Memorandum

FOR CENTRAL ASSISTANCE ON IMMEDIATE DROUGHT RELIEF MEASURES 2012



Submitted by

State Relief Commissioner &
Principal Secretary
Department of Revenue and Disaster Management
Government of Kerala

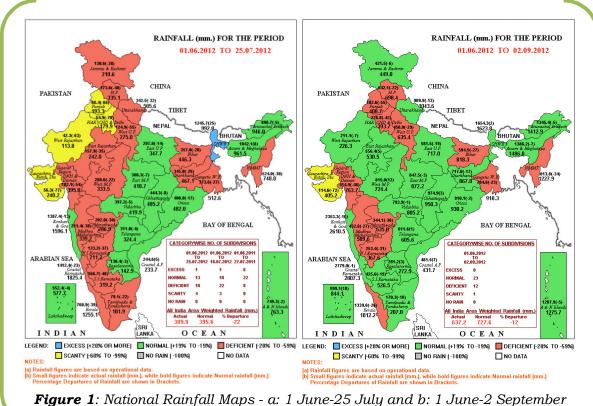
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CHAPTER I **EXECUTIVE SUMMARY**

Introduction

Indian Meteorological Department declared the onset of monsoon of 2012 on 5th June over Kerala. IMD in its first stage forecast of the South-West monsoon issued on 26th April predicted 47% probability of the monsoon rainfall to be normal (96 to 104 % of long period average). In its press release dated 27 July 2012 IMD has reported that Kerala as a whole has a rainfall deficit of 39% from its long period average for the period of 1 June - 25 July. Figure 1 a & b shows the national rainfall map for the period from 1 June - 25 July and 1 June - 2 September, respectively, published by IMD (Weekly Press Release, IMD, 27 August & 3 September 2012). Expected rainfall from 1 June to 25 July for Kerala was 1255.1 mm while actual rainfall was only 760.9 mm (cf. Figure 1).



IMD follows the following criteria for meteorological drought classification.

- Severe Drought >50% deficit from long period average rainfall.
- Moderate Drought 26-50% deficient from long period average.
- Drought 10-26% deficit from long period average.

Following IMD's drought classification and the daily rainfall data collected by IMD as part of its Integrated Agricultural Data Platform (IADP), the rainfall deficit from 1 June 2012 - 31 July and 1 June to 31 August 2012 were mapped. Data from 68 rain gauges were used for the analysis.

Situation Assessment

Table 1 shows the data from IMD rain gauges that were used for the assessment and the respective departure percentages. Figure 2 a & b shows the June-July and June-September rainfall departure from seasonal normal (June-September).

Based on the analysis it was evident that majority of the state had a deficit of rainfall by end of July; 492 villages were severely drought prone (>50% deficit), 1070 villages were moderately drought prone (26-50% deficit), and 22 villages were drought prone (10-26% deficit) as per IMD criteria. Figure 3 is the map depiciting the drought severity classes based on the data and the top priority villages to be addressed for drought risk reduction. The monsoon intensified since then and the overall deficit has dropped to 26% from the 32% as per the values till 2 Sep 2012 (cf. Figure 1b).

However, this does not assure that the state will recive the expected rainfall by the end of September (end of SW monsoon). The present rain spell may last for another 3 to 5 days as per IMD's medium range forecast and the intensity of cloud cover observable over the peninsula from the latest INSAT Satellite Images. It is reported that the reservoirs of the state has only about 35% of the total storage (which is also a proxy of the ground water status) considering which the situation may agrevate if the North East Monsoon does not perform enough to overcome this deficit. It may be noted that NE monsoon traditionally does not contribute more than 33% of the annual rainfall received by the state.

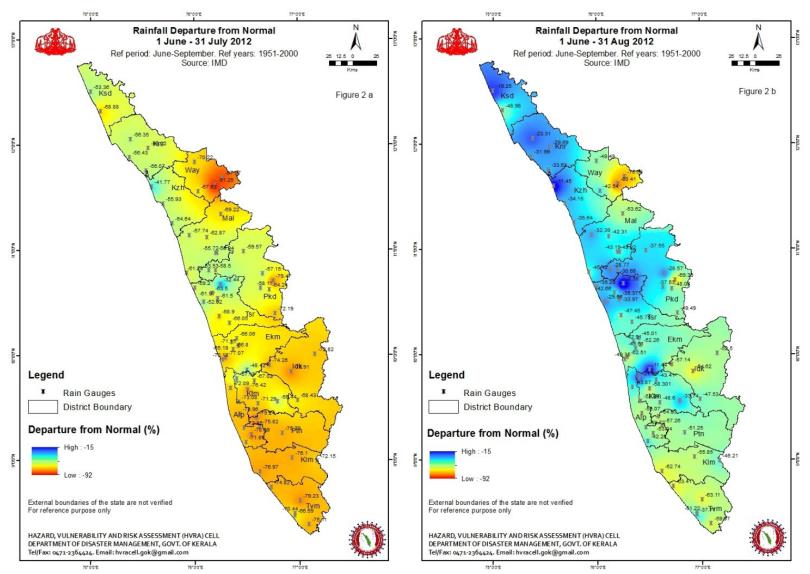


Figure 2 a & b: June-July and June-August rainfall departure from seasonal normal, respectively

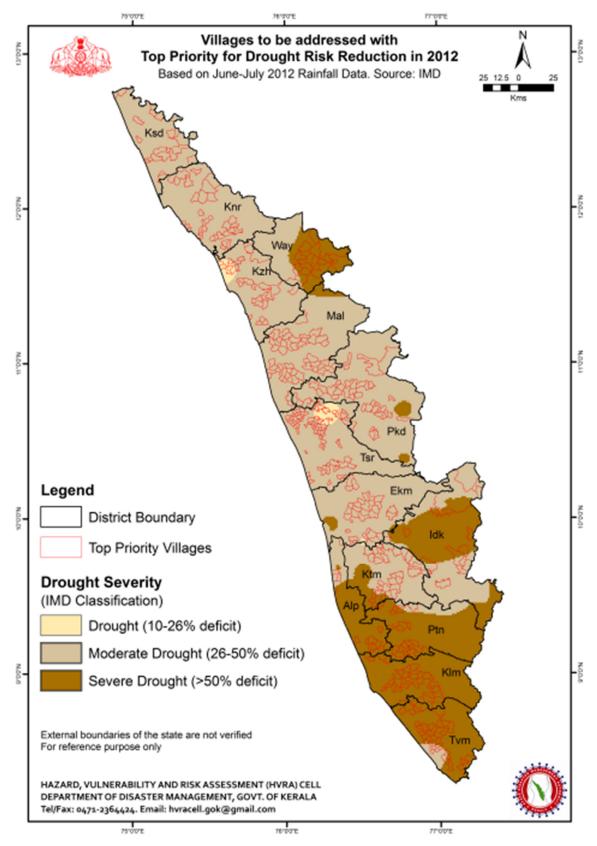


Figure 3: Map depicting the drought severity classes based on the rainfall data of June-July 2012 and the top priority villages to be addressed for drought risk reduction in the year

Relief efforts undertaken by State Government

Considering the prevailing situation in the State, the State Disasster Management Authority under the Chairmanship of Honb'le Chief Minister in its meeting held on 6 September 2012 assessed the drought situation in the State on the basis of information available through various departments and agencies. The State Department of Revenue and Disaster Management and Department of Agriculture were assigned with the responsibility for directing drought operations in the State. The Relief Commissioner/Principal Secretary, Disaster Management who is inter alia the Secretary, KSDMA recommended the declaration of drought on the basis of situation on the ground. Based on available facts, the SDMA resolved to declare four districts, they being Thiruvananthapuram, Kollam, Idukki and Wayanad as drought affected.

Further, Relief Commissioner/Principal Secretary, Disaster Management issued various instructions to the District Collectors for provision of relief assistance to the people affected by drought. The Relief Commissioner/Principal Secretary, Disaster Management had issued orders for release of all financial assistance to the district administrations and other departments.

The Relief Commissioner/Principal Secretary, Disaster Management conducted an assessment of losses in sectors such as agriculture and animal husbandry, and immediate relief needs such as provision of drinking water to the most affected population. On the basis of this assessment, it is decided by the State Government to submit an initial appeal to Government of India seeking financial assistance from the National Disaster Response Fund (NDRF) for relief activities including financial assistance for undertaking short term and long term drought mitigation measures to be financed from other sources of Central Government.

The district administration under the leadership of the Collector is instructed to implement all the decisions related to drought management on the ground. The Collectors are asked to monitor all the indicators of drought on the ground: collect data on rainfall on a daily basis from sources other than IMD that includes rain gauges maintained by private plantations, important water storages in the district and monitor the progress of sowing operations. The Collectors are also asked to monitor all local information related to demand for relief

employment, prices of food grains and the availability of fodder. All relief activities such as relief, employment, distribution of food grains, supply of drinking water and procurement and sale of fodder are coordinated by the District Collectors.

The District Collectors have already directed all the line departments at the district level to participate in drought management, prepare contingency plans and mobilize their staff and resources. The technical departments are in the process of identifying works and preparing estimates so that there is adequate work on the shelf to provide relief employment in the drought-affected areas.

The District Collectors are assessing the situation related to scarcity of drinking water and fodder, and issuing appropriate instructions regarding preservation of drinking water, supply of drinking water through tankers, procurement and sale of fodder, and setting up of fodder depots and cattle camps.

As part of coordinating relief and mitigation activities, the District Disaster Management Authorities that are set up under the chairmanship of the Collector consisting of Panchayati Raj officials and the district officials meet frequently and review the progress of drought relief and mitigation measures in the district.

The State/district disaster management authorities are made fully functional and the following actions have been taken / being taken to tackle the drought situation.

- Meetings of State/District disaster management authorities have been convened/being convened.
- Information has been obtained on all the key indicators of drought.
- Relief Commissioner/District Collector has developed a strategy for drought management in active consultation with all the participating heads of departments.
- A contingency plan for drought management has been developed.
- A control room for drought management has been set up.
- All the departments/agencies have prepared their own contingency plans.
- Necessary funds are being handed over to District Collectors for immediate relief activities.

Drought relief measures being organized by State Disaster Management Authority:

- Rationing orders have been issued for drinking water.
- Water is being equitably distributed for multiple purposes: drinking, commercial, industrial and agricultural.
- Instructed the Departments concerned to take up temporary water supply schemes.
- Supply of drinking water is being organized through tankers.
- A ban on digging deep bore-wells has been enforced.

Total Demand for Assistance through NDRF and other Central Government Sources

S1. No.	Activity	Amount (Rs.)
	Relief and Response activities	
1	Supply of drinking water through tankers undertaken by District Administrations/DDMAs in drought affected areas	125,56,30,000
2	Drought relief measures and schemes undertaken/ Kerala Water Authority for areas facing drinking w	
a	Inter connection of Quilon WSS / Ultra filteration units / Supply and Installation of pumpsets / Desalination Plant works at Ashtamudi / Water Tankers	173,50,00,000
b	Relaying pipelines & pipeline extensions / Repair & replacement of pumpsets / Source improvement works / Check dam & temporary bunds / Desalination Plants / Additional pumping & valve control / Mini WSS / Renovation & improvement of existing schemes / Purchase of pipe for maintainance / Other category works	218,74,42,000
С	Replacement of old and damaged pipes	563,53,39,000
d	Replacement of pumpsets	101,34,76,000
3	Relief Assistance in Agriculture & Horticulture Sector	181,99,93,000
4	Relief Assistance in Animal Husbandry	10,00,00,000
	Sub Total	1374,68,80,000
	Short term Drought Mitigation Measu	res
1	Health and Hygiene, and Awareness Programmes	5,00,00,000
2	Short term mitigation activities – Irrigation Sector	13,05,74,000
3	Micro Water Supply Schemes by Ground Water Department	25,52,50,000
4	Renovation of Micro Water Supply Scheme by Ground Water Department	10,79,600
5	Artificial recharge schemes by Ground Water Department	19,09,43,000
6	Hand pump repair by Ground Water Department	98,85,975
7	Short Term Mitigation Measures in Agriculture Sector	30,17,00,000
_	Sub Total	93,94,32,575
(Rs.	Grand Total One Thosand Four Hundred and Sixty Eight Crore	1468,63,12,575

Sixty Three lakh Twelve Thousand Five Hundred and Seventy Five Only)

Dr. K.B Valasalakumari IAS Relief Commissioner/ Principal Secretary, Revenue and Disaster Management & Secretary, KSDMA Trivandrum 17.09.2012

CHAPTER II

AGRICULTURAL SCENARIO IN THE STATE

2.1 Introduction

The total geographic area of the State is 3886287 Ha. Geographical area in Kerala has been classified according to thirteen different uses of land such as forest, land put to non-agricultural use, net area sown, barren and uncultivable land, and pastures and grazing land. The net area under cultivation during the year 2010-11 was 2071507 Ha, which occupies 53.30% of the total area in the State. The total cropped area is 2647461 Ha during the year 2010-11. The current contributions of service sector, industrial sector and agricultural sector to State GDP are 69.7, 20.5 and 9.8 respectively.

Agricultural crops in the state are broadly classified as food crops and non-food crops. Food crops are cereals, millets, sugar crops, spices, & condiments, fresh fruits, vegetables, etc. The major non-food crops are rubber, betel leaves, lemon grass, etc. Another classification of crop is seasonal crops, annual crops and perennial crops which are based on their life time.

- a) Seasonal crops: Paddy, pulses, tapioca, vegetables, sweet potato, tubers, groundnut, ginger, turmeric, cotton, tobacco, onion, tur etc.
- b) Annual crops: Sugarcane, banana, plantain, pineapple, betel leaves, etc.
- c) Perennial crops: Coconut, arecanut, cashew, mango, jack, tamarind, pepper, rubber, tea, coffee, cardamom, cloves, nutmeg, cinnamon, cocoa, papaya, etc.

2.2 A bird's eye view of the agricultural scenario in the State

- Total cropped area 26,47,461 Ha
- Net area sown 20,71,507 Ha
- Area sown more than once 5,75,954 Ha
- Net area irrigated (source wise) 4,15,013 Ha
- Net area irrigated (source wise) to net area sown 20.03 %
- Irrigated paddy area to total area 70.59 %
- Cropping intensity 127.80 %

2.3 Important crops of Kerala State

Figure 4 - The important crops of the State are depicted in the map given below.

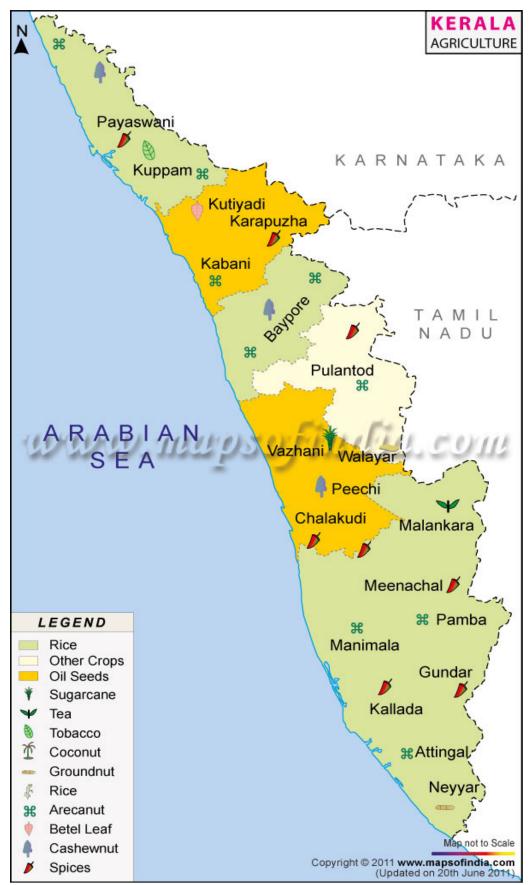


Figure 4: Crops of Kerala

2.4 Major Crops and area under cultivation

• Rice - 263529 ha

• Tapioca - 87128 ha

• Banana & Other Plantain - 59143 ha

• Coconut (Million nuts) - 872943 ha

• Arecanut - 102078 ha

• Pepper - 226044 ha

• Rubber - 502240 ha

• Ginger - 11082 ha

• Cardamom - 4129 ha

• Tea - 35365 ha

• Coffee - 84571 ha

CHAPTER III

INCIDENCE AND SPREAD OF DROUGHT

3.1 Declaration of Drought and grounds for such declaration

As far as the State is concerned, rainfall is the most important indicator of drought as the state's population and agriculture depends largely on surface water storage and not on ground water storage for their day-to-day needs. So also, being a tropical semi-evergreen, evergreen region, NDVI values often does not reflect the lack of surface water storage as plant foliage is affected only after the surface water storage deplets considerably. By the time NDVI value shows reflections of hydrological drought, the availability of surface water for humans, crops and animals depletes drastically resulting in an aggrevated situation. Hence, the departure in rainfall from its long-term average is taken as the basis for drought declaration. The rainfall data provided by IMD to the State Government, which is collected through IMDs own network of weather stations, is being used for analysis.

The State Government declared drought in the four districts of the State as the total rainfall received during the months of June and July in most of the Districts is less than 50% of the average rainfall for these two months and the situation by the end of August did not improve for the four districts, they being Thiruvananthapuram, Kollam, Idukki and Wayanad. It may also be noted that based on IMDs own values, the districts of Pathanamthitta and Alappuzha are in the list of districts with significant shortage of rainfall.

Along side the lack of rainfall, the storages in the reservoirs of the state has hit a long time low. It is this lack of surface water storage that has adversely affected Idukki (although the rainfall deficit in this district is only 17%) and other districts.

2.2 Deficiency in Rainfall and Spread of Drought

It is evident from IMD data on actual rainfall received across Kerala and percentage (%) of the normal rainfall expected between 1 June and 30 September based on data for a period from 1951-2000 that none of the villages in the State had received the expected rainfall. Table 1 shows the data from IMD rain gauges that were used for the assessment and the respective departure percentages.

Figure 2 a & b shows the June-July and June-September rainfall departure from seasonal normal (June-September).

 Table 1: Station Name, District, June-September Normal Rainfall 1951-2000 (mm),

Departure from normal (%)

ID	parture from no	District	Normal RF	Departure % (Jun-Jul)	Departure % (Jun-Aug)
1	Kannur	Kannur	2652.1	-56.44	-31.99
2	Taliparamba	Kannur	2669.6	-56.35	-23.31
3	Thalasserry	Kannur	2652.1	-56.08	-33.54
4	Irikkur	Kannur	2669.6	-59.02	-29.69
5	Hosdurg	Kasaragod	2979.9	-68.88	-48.98
6	Kudulu	Kasaragod	2979.9	-53.36	-19.25
7	Kozhikode	Kozhikode	2363.1	-54.64	-35.64
8	Vadakara	Kozhikode	2832.3	-41.78	-11.45
9	Quilandy	Kozhikode	2612.9	-55.94	-34.15
10	Mananthavady	Wayanad	2091	-70.22	-49.50
11	Vythiri	Wayanad	3172.7	-67.63	-42.54
12	Ambalavayal	Wayanad	3172.7	-91.26	-80.41
13	Kuppady	Wayanad	2091	-87.07	-75.64
14	Nilambur	Malappuram	2005.6	-69.22	-53.62
15	Manjeri	Malappuram	2130.4	-62.87	-42.31
16	Perinthalmanna	Malappuram	2130.4	-55.73	-43.19
17	Ponnani	Malappuram	2046.1	-61.29	-45.42
18	Angadippuram	Malappuram	2130.4	-56.35	-43.02
19	Karipur AP	Malappuram	2130.4	-57.75	-32.39
20	Palakkad	Palakkad	1394.4	-57.16	-28.57
21	Mannarkad	Palakkad	1698.9	-59.58	-37.56
22	Ottappalam	Palakkad	1758.8	-32.44	-2.36
23	Alathur	Palakkad	1435.8	-58.11	-37.53
24	Chittur	Palakkad	1394.4	-79.48	-69.33
25	Kollengode	Palakkad	1435.8	-64.24	-48.08
26	Pattambi	Palakkad	1758.8	-58.50	-30.68
27	Thrithala	Palakkad	1758.8	-53.53	-28.77
28	Parambikulam	Palakkad	1435.8	-72.20	-49.49
29	Thrissur	Thrissur	2249.1	-61.50	-33.97
30	Kodungallur	Thrissur	2224.6	-66.86	-43.61
31	Irinjalakuda	Thrissur	2218.7	-68.93	-47.45
32	Vadakkancherry	Thrissur	1995	-63.51	-42.66
33	Kunnamkulam	Thrissur	2046.1	-59.22	-35.30
34	Chalakudy	Thrissur	2300.2	-66.06	-45.75
35	Enamackel	Thrissur	2218.7	-52.03	-29.56
36	Vellanikkara	Thrissur	2224.6	-61.98	-35.37
37	Kochi AP	Ernakulam	2074	-70.18	-49.35
38	Aluva	Ernakulam	2141.9	-65.19	-42.91
39	Piravom	Ernakulam	2074	-48.42	-11.44
40	Perumbavur	Ernakulam	1987.1	-71.16	-52.26
41	CIAL Kochi	Ernakulam	2074	-66.06	-45.01
42	Ernakulam South	Ernakulam	2074	-77.07	-62.51

43	Alappuzha	Alappuzha	1830.5	-73.09	-52.84
44	Kayamkulam	Alappuzha	1391.8	-71.90	-42.28
45	Mavelikkara	Alappuzha	1731.2	-78.70	-53.04
46	Cherthala	Alappuzha	1764.3	-72.10	-43.87
47	Mancompu	Alappuzha	1830.5	-73.97	-55.08
48	Haripad	Alappuzha	1837	-72.86	-49.72
49	Chengannur	Alappuzha	1920.8	-75.83	-57.27
50	Kottayam	Kottayam	1830.5	-71.30	-48.60
51	Vaikom	Kottayam	1830.5	-57.18	-21.99
52	Kumarakom	Kottayam	1830.5	-76.42	-58.30
53	Kozha	Kottayam	1830.5	-67.03	-43.41
54	Kanjirappally	Kottayam	1830.5	-58.45	-33.74
55	Peermade	Idukki	3104.5	-68.43	-47.53
56	Thodupuzha	Idukki	3104.5	-74.27	-57.14
57	Munnar	Idukki	2771.8	-72.83	-52.50
58	Idukki	Idukki	3104.5	-78.91	-64.63
59	Thiruvalla	Pathanamthitta	1713.8	-79.24	-54.93
60	Konni	Pathanamthitta	1716.2	-75.80	-51.25
61	Kollam	Kollam	1266.5	-76.98	-62.74
62	Aryankavu	Kollam	1271.5	-72.16	-46.21
63	Punalur	Kollam	1458.3	-76.11	-55.85
64	Trv City	Thiruvananthapruam	855.7	-70.45	-51.22
65	Trv AP	Thiruvananthapruam	818.1	-66.59	-37.71
66	Nedumangad	Thiruvananthapruam	830.1	-79.23	-63.11
67	Neyyattinkara	Thiruvananthapruam	715.2	-75.11	-59.87
68	Varkala	Thiruvananthapruam	1137.9	-74.82	-63.41

In order to prioritize the severely drought affected villages for targeting mitigation measures the rainfall deficit map was overlaid with the perennial water-body map (rivers, lakes, reservoirs) of Kerala. Those villages without any perennial water bodies were classified as 'top priority villages'. List of these villages are given in Table 2.

Table 2: Villages without perennial water bodies (Top Priority Villages; 10 drought

prone; 313 moderately drought prone and 142 severely drought prone)

S1. No	Village	Taluk	District	Drought Class
1	Porkady	Kasaragod	Kasargod	Moderate drought
2	Kumjathur	Kasaragod	Kasargod	Moderate drought
3	Padre	Kasaragod	Kasargod	Moderate drought
4	Nettanige	Kasaragod	Kasargod	Moderate drought
5	Delampady	Kasaragod	Kasargod	Moderate drought
6	Bela	Kasaragod	Kasargod	Moderate

				drought
7	Bandadka	Kasaragod	Kasargod	Moderate
,	Danuauka	nasaragou	Rasargou	drought
8	Karivedakam	Kasaragod	Kasargod	Moderate
		1200010800		drought
9	Panathady	Hosdurg	Kasargod	Moderate
	J		3	drought
10	Bare	Hosdurg	Kasargod	Moderate
				drought Moderate
11	Balal	Hosdurg	Kasargod	drought
				Moderate
12	Belur	Hosdurg	Kasargod	drought
				Moderate
13	Parappa	Hosdurg	Kasargod	drought
				Moderate
14	Thayannur	Hosdurg	Kasargod	drought
				Moderate
15	Ambalathara	Hosdurg	Kasargod	drought
1.0	D 1 1		77 1	Moderate
16	Palavayal	Hosdurg	Kasargod	drought
1.77	D 11	TT 1	77 1	Moderate
17	Balla	Hosdurg	Kasargod	drought
1.0	II A	II d	V	Moderate
18	Hosdrug	Hosdurg	Kasargod	drought
19	Timiri	Hosdurg	Kasargod	Moderate
17	11111111	Hosdurg	Rasargou	drought
20	Kodakkad	Hosdurg	Kasargod	Moderate
20	Roddinad	Hoodarg	nasargou	drought
21	Maniyat	Hosdurg	Kasargod	Moderate
		11000018		drought
22	Thirumeni	Taliparamba	Kannur	Moderate
		1		drought
23	Peringome	Taliparamba	Kannur	Moderate
		-		drought Moderate
24	Vellad	Taliparamba	Kannur	
				drought Moderate
25	Alappadamba	Taliparamba	Kannur	drought
				Moderate
26	Vellora	Taliparamba	Kannur	drought
6-		m		Moderate
27	Perinthatta	Taliparamba	Kannur	drought
00	NT 1 '1	m 1: 1		Moderate
28	Naduvil	Taliparamba	Kannur	drought
00	O111:	То1:1	17	Moderate
29	Chuzhali	Taliparamba	Kannur	drought
30	Donnisasa	Talinaramba	Vonnum	Moderate
	Panniyur	Taliparamba	Kannur	drought
31	Nidiyenga	Taliparamba	Kannur	Moderate

				drought
32	Mozaril	Taliparamba	Kannur	Moderate
34	Mayyil	ranparamba	Kaililui	drought
33	Koodali	Tellichery	Kannur	Moderate
33	Noodan	Temenery	Railiui	drought
34	Thillankeri	Tellichery	Kannur	Moderate
	1111141111011		110111101	drought
35	Kanhirod	Kannur	Kannur	Moderate
				drought
36	Azhikkod South	Kannur	Kannur	Moderate
				drought Moderate
37	Sivapuram	Tellichery	Kannur	drought
				Moderate
38	Tolambra	Tellichery	Kannur	drought
				Moderate
39	Pallikunnu	Kannur	Kannur	drought
40	т	T7	17	Moderate
40	Irriveri	Kannur	Kannur	drought
41	Chembiold	Kannur	Kannur	Moderate
41	Chembiola	Kailliul	Kaililui	drought
42	Vellarveli	Tellichery	Kannur	Moderate
12	v chai ven	Temenery	Railitai	drought
43	Kannur-II	Kannur	Kannur	Moderate
. •				drought
44	Kolayad	Tellichery	Kannur	Moderate
	<u> </u>			drought Moderate
45	Kannavam	Tellichery	Kannur	drought
				Moderate
46	Manamteri	Tellichery	Kannur	drought
				Moderate
47	Kuthuparamba	Tellichery	Kannur	drought
40	T7 1 1	T7	17	Moderate
48	Kadambur	Kannur	Kannur	drought
49	Kottayam	Tellichery	Kannur	Moderate
73	Kuttayam	Temenery	Kailiui	drought
50	Eruvatti	Tellichery	Kannur	Moderate
	21 a vacci	1011101101	110111101	drought
51	Koravallur	Tellichery	Kannur	Moderate
		 J		drought
52	Puthur	Tellichery	Kannur	Moderate
				drought Moderate
53	Panur	Tellichery	Kannur	drought
				Moderate
54	Vilangad	Vadakara	Kozhikkode	drought
	771 ·	77 1 1	77 1 11 1	Moderate
55	Thinur	Vadakara	Kozhikkode	drought
56	Kavilumpara	Vadakara	Kozhikkode	Moderate

				drought
57	A ahirara	Vadakara	Kozhikkode	Moderate
57	Azhiyur	vadakara	Kozilikkode	drought
58	Kunummal	Vadakara	Kozhikkode	Moderate
30	Kunumnai	Vauakara	ROZIIIKKOUC	drought
59	Purameri	Vadakara	Kozhikkode	Moderate
	- diamen	Vadasara	Hozminode	drought
60	Ayancheri	Vadakara	Kozhikkode	Moderate
				drought
61	Kottapalli	Vadakara	Kozhikkode	Moderate
	-			drought
62	Nochad	Quilandy	Kozhikkode	Moderate
		-		drought Moderate
63	Meppayur	Quilandy	Kozhikkode	drought
				Moderate
64	Kozhukallur	Quilandy	Kozhikkode	drought
				Moderate
65	Kedavoor	Kozhikkode	Kozhikkode	drought
	77 1 1	0 11 1	77 1 11 1	Moderate
66	Koorachundu	Quilandy	Kozhikkode	drought
67	N - 11: : 1	V = -1: :1-1 d =	Kozhikkode	Moderate
67	Nellippoyil	Kozhikkode	Kozilikkode	drought
68	Kottur	Quilandy	Kozhikkode	Moderate
00	Kottui	Quilarity	KUZIIIKKUUE	drought
69	Unnikulam	Quilandy	Kozhikkode	Moderate
0,5	Omnkalam	Quilatiuy	ROZIIIRROGC	drought
70	Sivapuram	Quilandy	Kozhikkode	Moderate
. 0	от ар шат	Q 0.1.20.7	110 21111110 010	drought
71	Nanminda	Kozhikkode	Kozhikkode	Moderate
				drought
72	Narikuni	Kozhikkode	Kozhikkode	Moderate
				drought
73	Kakkur	Kozhikkode	Kozhikkode	Moderate
				drought Moderate
74	Puthiyangadi	Kozhikkode	Kozhikkode	drought
				Moderate
75	Chelavoor	Kozhikkode	Kozhikkode	drought
				Moderate
76	Kuttikattur	Kozhikkode	Kozhikkode	drought
77	NT 11' 1	TZ 1 '1 1 1	TZ - 1 '1 1 1	Moderate
77	Nellicode	Kozhikkode	Kozhikkode	drought
78	Onchiyom	Vadakara	Kozhikkode	Drought
79	Chorode	Vadakara	Kozhikkode	Drought
80	Villyappalli	Vadakara	Kozhikkode	Drought
81	Padichira	Sulthan Datham	Wowanad	Severe
01	radiciiira	Sulthan Bathery	Wayanad	drought
82	Kidangad	Sulthan Bathery	Wayanad	Severe
04	Mangau	Summan Damery	wayanau	drought

			1	T ~
83	Irulam	Sulthan Bathery	Wayanad	Severe drought
84	Nadavayal	Sulthan Bathery	Wayanad	Severe
07	Ivadavayai	Sulman Daniery	Wayanau	drought
85	Kaniyambetta	Vythiri	Wayanad	Severe
		7 9 011111	Way array	drought
86	Poothadi	Sulthan Bathery	Wayanad	Severe
			, , ,	drought
87	Purakkadi	Sulthan Bathery	Wayanad	Severe
			-	drought Severe
88	Kuppady	Sulthan Bathery	Wayanad	drought
				Severe
89	Krishnagiri	Sulthan Bathery	Wayanad	drought
				Severe
90	Sulthan Bathery	Sulthan Bathery	Wayanad	drought
				Severe
91	Muttil North	Vythiri	Wayanad	drought
				Severe
92	Nenmeri	Sulthan Bathery	Wayanad	drought
				Severe
93	Ambalavayal	Sulthan Bathery	Wayanad	drought
0.4	25	77.4.1.		Severe
94	Muttil South	Vythiri	Wayanad	drought
0.5	77.1	77 (1 ' '	777 1	Severe
95	Kalpetta	Vythiri	Wayanad	drought
06	Class and 1	Cas141a a sa Da 41a a sasa	Wassad	Severe
96	Cheeral	Sulthan Bathery	Wayanad	drought
97	Thrikkaippetta	Vythiri	Wayanad	Severe
91	Tillikkaippetta	VytIIII	Wayanau	drought
98	Thomattuchal	Sulthan Bathery	Wayanad	Severe
90	THOMATtuchai	Sulman Daniery	Wayanau	drought
99	Kottappady	Vythiri	Wayanad	Severe
	Nottappady	v y tiiii i	Wayanaa	drought
100	Kurrathidavaka	Vythiri	Wayanad	Moderate
100		7 9 011111	Way array	drought
101	Vettilappara	Eranad	Malappuram	Moderate
	11		11	drought
102	Tiruvali	Nilambur	Malappuram	Moderate
			11	drought
103	Muthuvallur	Eranad	Malappuram	Moderate drought
				Moderate
104	Pulikkal	Eranad	Malappuram	drought
				Moderate
105	Kuzhimanna	Eranad	Malappuram	drought
				Moderate
106	Cherukavu	Eranad	Malappuram	drought
				Moderate
107	Karakunnu	Eranad	Malappuram	drought
		ı	1	1 2 2 4 5 1 1 1

Elankur Eranad Malappuram Moderate drought	108	Porur	Nilambur	Malappuram	Moderate drought
Pulppatta Eranad Malappuram drought	100				
Pulipatta Eranad Malappuram drought	109	Elankur	Eranad	Malappuram	
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I.3. Perlimanna Tirlir Malanniiram					
draiight	131	Perumanna	Tirur	Malappuram	drought
Moderate	100	0.1	m:	25.1	
132 Ozhur Tirur Malappuram drought	132	Ozhur	Tirur	Malappuram	

122	The orbest streets	Dominatholmonno	Malamazmam	Moderate
133	Thazhakkode	Perinthalmanna	Malappuram	drought
134	Angadipuram	Perinthalmanna	Malappuram	Moderate
101	ringaarp aram	1 criminamiama	Malapparam	drought
135	Padayikkara	Perinthalmanna	Malappuram	Moderate
				drought
136	Ponmundam	Tirur	Malappuram	Moderate
			11	drought
137	Malmuri	Tirur	Malappuram	Moderate
				drought Moderate
138	Marakkara	Tirur	Malappuram	drought
				Moderate
139	Kalpakancheri	Tirur	Malappuram	drought
				Moderate
140	Tanalur	Tirur	Malappuram	drought
1.41		m:	26.1	Moderate
141	Valavannur	Tirur	Malappuram	drought
1.40	E4	Т:	Malayana	Moderate
142	Edayur	Tirur	Malappuram	drought
143	Kurumbathur	Tirur	Malappuram	Moderate
143	Kurumbatnur	III UI	Maiappuraiii	drought
144	Niramarudur	Tirur	Malappuram	Moderate
111	Wir diffial dddl	TH UI	Walapparam	drought
145	Athavanad	Tirur	Malappuram	Moderate
				drought
146	Kattipparuthi	Tirur	Malappuram	Moderate
				drought Moderate
147	Ananthavur	Tirur	Malappuram	drought
				Moderate
148	Vattamkulam	Ponnani	Malappuram	drought
				Moderate
149	Alankad	Ponnani	Malappuram	drought
150	01 1	3.6 1 1	D 1 11 1	Moderate
150	Sholayur	Mannarkad	Palakkad	drought
151	Kottoppadam-III	Mannarkad	Palakkad	Moderate
131	Kottoppadam-m	Maiillaikau	I alakkau	drought
152	Palakkayam	Mannarkad	Palakkad	Moderate
102	Talakkayani	Maimarkau	1 alakkau	drought
153	Kottoppadam-II	Mannarkad	Palakkad	Moderate
100	Hottoppaaani H		- Carallian	drought
154	Vilayur	Ottappalam	Palakkad	Moderate
	3	11		drought
155	Kadambazhipuram-I	Ottappalam	Palakkad	Moderate
	-			drought
156	Sreekrishnapuram-II	Ottappalam	Palakkad	Moderate
				drought Moderate
157	Trikkaderi-II	Ottappalam	Palakkad	drought
L				arougiit

158	Kongad-I	Palakkad	Palakkad	Moderate
136	Kongau-i	Palakkau	Falakkau	drought
159	Koppam	Ottappalam	Palakkad	Moderate
		11		drought
160	Komgad-II	Palakkad	Palakkad	Moderate drought
1.61	3.6 1 77	D 1 11 1	D 1 11 1	Moderate
161	Mundur-II	Palakkad	Palakkad	drought
162	Trikkaderi-I	Ottappalam	Palakkad	Moderate
		o teap perseri	1 0101111010	drought
163	Vallappuzha	Ottappalam	Palakkad	Moderate
				drought Moderate
164	Chalavara	Ottappalam	Palakkad	drought
				Moderate
165	Ambalapara-II	Ottappalam	Palakkad	drought
				Moderate
166	Anangunadi	Ottappalam	Palakkad	drought
				Moderate
167	Ambalapara-I	Ottappalam	Palakkad	drought
1.60	0 11 7	0.11	D 1 11 1	Moderate
168	Ongallur-I	Ottappalam	Palakkad	drought
169	Mannur	Palakkad	Palakkad	Moderate
109	Maiiiui	Palakkau	Palakkau	drought
170	Kappur	Ottappalam	Palakkad	Moderate
170	карри	Ottappalam	Talakkau	drought
171	Lakkidiperur-I	Ottappalam	Palakkad	Moderate
		o coap pazazz	1 0101111010	drought
172	Vaniyamkulam-I	Ottappalam	Palakkad	Moderate
		11		drought
173	Maratharad	Palakkad	Palakkad	Moderate
				drought Moderate
174	Nagalasseri	Ottappalam	Palakkad	drought
				Moderate
175	Challisseri	Ottappalam	Palakkad	drought
176	771 · · · · · · · · · · · · · · · · · ·	0.11	D 1 11 1	Moderate
176	Thirumittakod-II	Ottappalam	Palakkad	drought
177	Mathur-I	Alathur	Palakkad	Moderate
177	Maurur-r	Alatiful	Falakkau	drought
178	Kuzhalmannam-II	Alathur	Palakkad	Moderate
170		matra	Talanna	drought
179	Kuthanur-II	Alathur	Palakkad	Moderate
				drought
180	Kuthanur-I	Alathur	Palakkad	Moderate
				drought Moderate
181	Kuzhalmannam-I	Alathur	Palakkad	drought
				Moderate
182	Thenkurussi-I	Alathur	Palakkad	drought
		<u>l</u>	1	arougin

100	IZ - 1 I	01-14	D-1-1-1 4	Moderate
183	Koduvayur-I	Chittur	Palakkad	drought
184	Thenkurussi-II	Alathur	Palakkad	Moderate
101	THEIMAI AGGI H	matilai	Talannaa	drought
185	Pudunagaram	Chittur	Palakkad	Moderate
				drought
186	Koduvayur-II	Chittur	Palakkad	Moderate
				drought Moderate
187	Pattancherry	Chittur	Palakkad	
				drought Moderate
188	Kannambra-I	Alathur	Palakkad	drought
				Moderate
189	Ayloor	Chittur	Palakkad	drought
				Moderate
190	Thiruvazhiyad	Chittur	Palakkad	drought
101				Moderate
191	Kairady	Chittur	Palakkad	drought
100	A 1	771 1 11	701 :	Moderate
192	Arangottukara	Thalappally	Thrissur	drought
102	T11	T11	Tile min accom	Moderate
193	Thalassery	Thalappally	Thrissur	drought
194	Pilakkad	Thalappally	Thrissur	Moderate
197	I llakkau	Thatappany	Tillissui	drought
195	Thichur	Thalappally	Thrissur	Moderate
130		Indiappany	111110001	drought
196	Varavoor	Thalappally	Thrissur	Moderate
		11 3		drought
197	Thrissur	Thalappally	Thrissur	Moderate
				drought Moderate
198	Perumpilavu	Thalappally	Thrissur	drought
				Moderate
199	Karikkad	Thalappally	Thrissur	drought
200		m 1 11		Moderate
200	Pazhinji	Thalappally	Thrissur	drought
001	C11-1-1 1-	T1111	Ti ni nana	Moderate
201	Chelakkode	Thalappally	Thrissur	drought
202	Chiramangad	Thalappally	Thrissur	Moderate
202	Cilifallialigad	Пагаррапу	Tillissui	drought
203	Akathiyoor	Thalappally	Thrissur	Moderate
200	7 Matiny 001	Thatappany	111113341	drought
204	Vellarakkad	Thalappally	Thrissur	Moderate
	· onaramaa	Indiappany	111110001	drought
205	Pulakkode	Thalappally	Thrissur	Moderate
		T F J		drought
206	Porkalam	Thalappally	Thrissur	Moderate
				drought
207	Mangad	Thalappally	Thrissur	Moderate
				drought

				Moderate
208	Pangrappilly	Thalappally	Thrissur	drought
209	Chowannur	Theleppelly	Thrissur	Moderate
209	Cilowaiiiiui	Thalappally	IIIIIssui	drought
210	Vadakkekad	Chavakkad	Thrissur	Moderate
210	Vauakkekau	Ciiavakkau	Tillissui	drought
211	Anjur	Thalappally	Thrissur	Moderate
		- Indiappany	111110001	drought
212	Kunnamkullam	Thalappally	Thrissur	Moderate
				drought
213	Puthuruthy	Thalappally	Thrissur	Moderate
	-			drought Moderate
214	Vennur	Thalappally	Thrissur	drought
				Moderate
215	Velur	Thalappally	Thrissur	drought
				Moderate
216	Chemmanthatta	Thalappally	Thrissur	drought
				Moderate
217	Mundathikode	Thalappally	Thrissur	drought
0.1.0		O1 11 1		Moderate
218	Vailathur	Chavakkad	Thrissur	drought
010	T/ :	T11 11	T1	Moderate
219	Kanaipayyur	Thalappally	Thrissur	drought
220	Elanad	Thalappally	Thrissur	Moderate
220	Elanau	Пааррапу	Tillissui	drought
221	Thekkumkara	Thalappally	Thrissur	Moderate
221	mamama	Indiappany	Timioodi	drought
222	Peringandoor	Thalappally	Thrissur	Moderate
		11 3		drought
223	Minalur	Thalappally	Thrissur	Moderate
				drought Moderate
224	Arthat	Thalappally	Thrissur	drought
				Moderate
225	Pookode	Chavakkad	Thrissur	drought
				Moderate
226	Kiralur	Thalappally	Thrissur	drought
007	m1 1	771	701 :	Moderate
227	Thangaloor	Thrissur	Thrissur	drought
228	Trinn connue	Chavakkad	Thrissur	Moderate
440	Trinngappurom	Cilavakkau	Tillissui	drought
229	Kandanassery	Thalappally	Thrissur	Moderate
227	Randanassery		111110001	drought
230	Kaiparamba	Thrissur	Thrissur	Moderate
		11110001	111110001	drought
231	Velappaya	Thrissur	Thrissur	Moderate
	11-5			drought
232	Killannur	Thrissur	Thrissur	Moderate
				drought

022	Λ	Thrissur	T1	Moderate
233	Avannur	Innssur	Thrissur	drought
234	Thaikkad	Chavakkad	Thrissur	Moderate
201	Hammad	Onavannaa	TITIOOGI	drought
235	Choolissery	Thrissur	Thrissur	Moderate
				drought
236	Kolazhy	Thrissur	Thrissur	Moderate
	<u> </u>			drought Moderate
237	Pattore	Thrissur	Thrissur	
				drought Moderate
238	Kurichikkara	Thrissur	Thrissur	drought
				Moderate
239	Brahmakulom	Chavakkad	Thrissur	drought
2.10				Moderate
240	Kuttoor	Thrissur	Thrissur	drought
041	17:	/TV1'	/T1	Moderate
241	Viyyur	Thrissur	Thrissur	drought
242	Vilrattam	Thrissur	Thrissur	Moderate
242	viiiattaiii	IIIIISSUI	Tillissui	drought
243	Nettissery	Thrissur	Thrissur	Moderate
2 10		TITIOSUI	TITIOSAT	drought
244	Punkunnam	Thrissur	Thrissur	Moderate
				drought
245	Perungavu	Thrissur	Thrissur	Moderate
				drought Moderate
246	Chmvukavu	Thrissur	Thrissur	drought
				Moderate
247	Mannamangalom	Thrissur	Thrissur	drought
				Moderate
248	Ollur	Thrissur	Thrissur	drought
040	D4-1-1:	The seign areas	/T1	Moderate
249	Edakkunni	Thrissur	Thrissur	drought
250	Avanissery	Thrissur	Thrissur	Moderate
250	Tivallisaciy	Tillissui	Tillissui	drought
251	Kizhakkummuri	Thrissur	Thrissur	Moderate
		11110001	111110001	drought
252	Vellikuangara	Mukundapuram	Thrissur	Moderate
		1		drought
253	Kodakara	Mukundapuram	Thrissur	Moderate
				drought Moderate
254	Kodassery	Mukundapuram	Thrissur	drought
				Moderate
255	Kallettumkara	Mukundapuram	Thrissur	drought
056	TZ44: 1 :	M11	7D1*	Moderate
256	Kuttichira	Mukundapuram	Thrissur	drought
257	Vodonnoshom	Mulaundanunam	Thrissur	Moderate
231	Kadappashery	Mukundapuram	THIISSUI	drought

				3.5.1
258	Perambra	Mukundapuram	Thrissur	Moderate drought
250	5			Moderate
259	Potta	Mukundapuram	Thrissur	drought
060	/TVI1 1-11	Nr-1 1	/TV1	Moderate
260	Thazhakkad	Mukundapuram	Thrissur	drought
261	Vellokkara	Mukundapuram	Thrissur	Moderate
201	VEHUKKATA	Mukunuapuram	Tillissui	drought
262	Kottanellur	Mukundapuram	Thrissur	Moderate
202	nottariera	waxanaaparam	Tilliooui	drought
263	Koolimuttom	Kodungathur	Thrissur	Moderate
				drought
264	Kizhakkummuri	Mukundapuram	Thrissur	Moderate
	N/iso see os	•		drought
265	Muringoor Thekkummuri	Mukundapuram	Thrissur	Moderate drought
	Hickkummun			Moderate
266	Padinjarevemballur	Kodungathur	Thrissur	drought
				Moderate
267	Edavilengu	Kodungathur	Thrissur	drought
				Moderate
268	Kuruviiassery	Mukundapuram	Thrissur	drought
269	Mullurkara	Thalappally	Thrissur	Drought
270	Thonnurkara	Thalappally	Thrissur	Drought
271	Chelakkara	Thalappally	Thrissur	Drought
272	Kurumala	Thalappally	Thrissur	Drought
273	Karumathra	Thalappally	Thrissur	Drought
274	Viruppakka	Thalappally	Thrissur	Drought
275	Parlukad	Thalappally	Thrissur	Drought
276	Mukkannur	Aluva	Errnakulam	Moderate
210	Wukkamui	Muva	Elliakulalli	drought
277	Manjapra	Aluva	Errnakulam	Moderate
411		Inava	Birnakalam	drought
278	Thuravoor	Aluva	Errnakulam	Moderate
				drought
279	Vengoor West	Kunnathunael	Errnakulam	Moderate
				drought
280	Vengoor	Kunnathunael	Errnakulam	Moderate
				drought Moderate
281	Kottapadi	Kothimangalam	Errnakulam	drought
				Moderate
282	Perumbaroor	Kunnathunael	Errnakulam	drought
222	_			Moderate
283	Asamannoor	Kunnathunael	Errnakulam	drought
004	D 1	17 11 1	D 1 1	Moderate
284	Rayamangolam	Kunnathunael	Errnakulam	drought
205	Vancala	Kunnathunael	Errnakulam	Moderate
285	Vengola	Kuiiiatiiullaei	EHHAKUIAIII	drought
286	Trikariyoor	Kothimangalam	Errnakulam	Moderate

287VazhakkulomKunnathunaelErrnakulamModerate drought288KuttamangalamKothimangalamErrnakulamModerate drought289ArakkapadyKunnathunaelErrnakulamModerate drought290IramalloorKothimangalamErrnakulamModerate drought291KizhakkomsalamKunnathunaelErrnakulamModerate drought292PattimattomKunnathunaelErrnakulamModerate drought293IrapuramKunnathunaelErrnakulamModerate drought294MulavurMuvattupuzhaErrnakulamModerate drought295MazhuvannoorKunnathunaelErrnakulamModerate drought296POthanikaduKothimangalamErrnakulamModerate drought297KunnathinadKunnathunaelErrnakulamModerate drought298VadavcodeKunnathunaelErrnakulamModerate drought299OnakkurMuvattupuzhaErrnakulamModerate drought300ThirumaradyMuvattupuzhaErrnakulamModerate drought301KanayannurKanayannurErrnakulamModerate drought302PalakuzhaMuvattupuzhaErrnakulamModerate drought303EdakkattuvayalKanayannurErrnakulamModerate drought304KoothattukulamMuvattupuzhaErrnakulamModerate drought305ElanjiMuvattupuzhaErrnakulamModerate drought306Kaipattur <t< th=""><th></th><th></th><th></th><th></th><th>drought</th></t<>					drought
Ruttamangalam Kothimangalam Errnakulam Moderate drought	297	Vogholzlaulom	Vunnothunool	Errnolaulom	Moderate
Arakkapady Kunnathunael Errnakulam drought Moderate drought Mode	201	Vaziiakkuloiii	Kuillatliullaei	Emlakulam	drought
Arakkapady Kunnathunael Errnakulam Moderate drought 290 Iramalloor Kothimangalam Errnakulam Moderate drought 291 Kizhakkomsalam Kunnathunael Errnakulam Moderate drought 292 Pattimattom Kunnathunael Errnakulam Moderate drought 293 Irapuram Kunnathunael Errnakulam Moderate drought 294 Mulavur Muvattupuzha Errnakulam Moderate drought 295 Mazhuvannoor Kunnathunael Errnakulam Moderate drought 296 POthanikadu Kothimangalam Errnakulam Moderate drought 297 Kunnathinad Kunnathunael Errnakulam Moderate drought 298 Vadavcode Kunnathunael Errnakulam Moderate drought 300 Thirumarady Muvattupuzha Errnakulam Moderate drought 301 Kanayannur Kanayannur Errnakulam Moderate drought 302 Palakuzha Muvattupuzha Errnakulam Moderate drought 303 Edakkattuvayal Kanayannur Errnakulam Moderate drought 304 Koothattukulam Muvattupuzha Errnakulam Moderate drought 305 Elanji Muvattupuzha Errnakulam Moderate drought 306 Kaipattur Kanayannur Errnakulam Moderate drought 307 Kulayettikara Kanayannur Errnakulam Moderate drought 308 Cherdhala South Cherthala Alapuzha Severe Drought 309 Padhirappally Ambalapuzha Alapuzha Severe Drought Severe	288	Kuttamangalam	Kothimangalam	Frrnakulam	Moderate
Pothanikadu Kunnathunael Errnakulam Grought	200	Kuttamangalam	Kotiiiiiaiigalaiii	Diffiakulalli	
290 Iramalloor Kothimangalam Errnakulam Moderate drought	289	Arakkanady	Kunnathunael	Errnakıılam	
Pothanikadu Kunnathunael Errnakulam Moderate drought	207	Паккарацу	Rumamanaci	Diffiakulani	•
Severe Sizhakkomsalam Kunnathunael Errnakulam Moderate drought	290	Iramalloor	Kothimangalam	Errnakıılam	
Pattimattom Kunnathunael Errnakulam drought Pattimattom Kunnathunael Errnakulam drought Pattimattom Kunnathunael Errnakulam drought Moderate drought Mod	200		notimiangalam	Billiakalam	
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Pattimattom Kunnathunael Errnakulam Moderate drought			114111411411401	Billialaala	_
Irapuram Kunnathunael Errnakulam Moderate drought Moderat	292	Pattimattom	Kunnathunael	Errnakulam	
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295 Mazhuvannoor Kunnathunael Errnakulam Moderate drought 296 POthanikadu Kothimangalam Errnakulam Moderate drought 297 Kunnathinad Kunnathunael Errnakulam Moderate drought 298 Vadavcode Kunnathunael Errnakulam Moderate drought 299 Onakkur Muvattupuzha Errnakulam Moderate drought 300 Thirumarady Muvattupuzha Errnakulam Moderate drought 301 Kanayannur Kanayannur Errnakulam Moderate drought 302 Palakuzha Muvattupuzha Errnakulam Moderate drought 303 Edakkattuvayal Kanayannur Errnakulam Moderate drought 304 Koothattukulam Muvattupuzha Errnakulam Moderate drought 305 Elanji Muvattupuzha Errnakulam Moderate drought 306 Kaipattur Kanayannur Errnakulam Moderate drought 307 Kulayettikara Kanayannur Errnakulam Moderate drought 308 Cherdhala South Cherthala Alapuzha Severe Drought 309 Padhirappally Ambalapuzha Alapuzha Severe	294	Mulavur	Muvattupuzha	Errnakulam	
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Potnanikadu Rothimangalam Effnakulam drought					
297 Kunnathinad Kunnathunael Errnakulam Moderate drought	296	POthanikadu	Kothimangalam	Errnakulam	
297KunnathinadKunnathunaelErrnakulamdrought298VadavcodeKunnathunaelErrnakulamModerate drought299OnakkurMuvattupuzhaErrnakulamModerate drought300ThirumaradyMuvattupuzhaErrnakulamModerate drought301KanayannurKanayannurErrnakulamModerate drought302PalakuzhaMuvattupuzhaErrnakulamModerate drought303EdakkattuvayalKanayannurErrnakulamModerate drought304KoothattukulamMuvattupuzhaErrnakulamModerate drought305ElanjiMuvattupuzhaErrnakulamModerate drought306KaipatturKanayannurErrnakulamModerate drought307KulayettikaraKanayannurErrnakulamModerate drought308Cherdhala SouthCherthalaAlapuzhaSevere Drought309PadhirappallyAmbalapuzhaAlapuzhaSevere Drought310AlaChengannurAlapuzhaSevereDroughtSevereDrought			3		
298VadavcodeKunnathunaelErrnakulamModerate drought299OnakkurMuvattupuzhaErrnakulamModerate drought300ThirumaradyMuvattupuzhaErrnakulamModerate drought301KanayannurKanayannurErrnakulamModerate drought302PalakuzhaMuvattupuzhaErrnakulamModerate drought303EdakkattuvayalKanayannurErrnakulamModerate drought304KoothattukulamMuvattupuzhaErrnakulamModerate drought305ElanjiMuvattupuzhaErrnakulamModerate drought306KaipatturKanayannurErrnakulamModerate drought307KulayettikaraKanayannurErrnakulamModerate drought308Cherdhala SouthCherthalaAlapuzhaSevere Drought309PadhirappallyAmbalapuzhaAlapuzhaSevere Drought310AlaChengannurAlapuzhaSevereDroughtSevereSevere	297	Kunnathinad	Kunnathunael	Errnakulam	
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Thirumarady Muvattupuzha Errnakulam Moderate drought			-		
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308 Cherdhala South Cherthala Alapuzha Drought 309 Padhirappally Ambalapuzha Alapuzha Severe Drought 310 Ala Chengannur Alapuzha	200	01 11 1 0 1	01 11 1	.1	
309 Padhirappally Ambalapuzha Alapuzha Severe Drought 310 Ala Chengannur Alapuzha Severe	308	Cherdhala South	Cherthala	Alapuzha	
310 Ala Chengannur Alapuzha Drought Severe	200	D - 41 11	A 1 1	A1 1	
310 Ala Chengannur Alanuzha Severe	309	radnirappally	Ambalapuzha	Alapuzha	
SIU Ala Chengannur Alabuzha	210	۸1_	Charanan	A11	
Drought	310	Ala	Cnengannur	Alapuzna	Drought
311 Muthukalom Karthikapally Alapuzha Severe	311	Muthukalom	Karthikapally	Alapuzha	

				Drought
312	Thekkekara	Mavelikara	Alapuzha	Severe
012	momenta	Mavelliara	парагна	Drought
313	Perungala	Mavelikara	Alapuzha	Severe
				Drought
314	Chusakkara	Mavelikara	Alapuzha	Severe
			-	Drought
315	Palamel	Mavelikara	Alapuzha	Severe
			_	Drought Severe
316	Kattanam	Mavelikara	Alapuzha	Drought
				Severe
317	Bharanikavu	Mavelikara	Alapuzha	Drought
				Severe
318	Thamarakulom	Mavelikara	Alapuzha	Drought
				Moderate
319	Perumbalam	Cherthala	Alapuzha	drought
220	77 1	01 1 1	A.1 1	Moderate
320	Kanjikuzha	Cherthala	Alapuzha	drought
201	N. C	01	A 1 1	Moderate
321	Marainkulam North	Cherthala	Alapuzha	drought
322	Munnilavu	Meenachil	Vottorrom	Severe
322	Munniavu	меенасии	Kottayam	drought
323	Poonjar Vadakkekara	Meenachil	Kottayam	Severe
323	1 oolijai vauakkekara	MCCHaciii	Kottayani	drought
324	Vakdhanam	Changanassery	Kottayam	Severe
021	Vanananan	Changanassery	nottayan	drought
325	Thottakkadu	Changanassery	Kottayam	Severe
		yy		drought
326	Karukachal	Changanassery	Kottayam	Severe
				drought
327	Nedumkunnam	Changanassery	Kottayam	Severe
				drought
328	Madappalli	Changanassery	Kottayam	Severe drought
				Severe
329	Chettiruzha	Changanassery	Kottayam	drought
				Severe
330	Thrikodathanam	Changanassery	Kottayam	drought
		C1		Severe
331	Paippad	Changanassery	Kottayam	drought
220	X7-1:	7. // 1 1	TZ - 1.4	Moderate
332	Veliyannur	Meenachil	Kottayam	drought
222	Domonine	Moon ools :1	Vottorra	Moderate
333	Ramapuram	Meenachil	Kottayam	drought
334	Kadanad	Meenachil	Kottayam	Moderate
JJ-T	Nauanau	WICCHACIII	Notiayani	drought
335	Monippally	Meenachil	Kottayam	Moderate
				drought
336	Neezhoor	Vaikom	Kottayam	Moderate

				drought
337	Melukavu	Meenachil	Kottayam	Moderate
337	Melukavu	Meenaciii	Kuttayani	drought
338	Uzhavoor	Meenachil	Kottayam	Moderate
000	CZIIAVOOI	Wicchaelin	Rottayam	drought
339	Kuravilangadu	Meenachil	Kottayam	Moderate
003	Raravnangada	WiceHaeim	Rottayam	drought
340	Kurichithanam	Meenachil	Kottayam	Moderate
0.0	Tarromanam.	- Iviocitaciii	110ttay all	drought
341	Vallichira	Meenachil	Kottayam	Moderate
				drought
342	Elackad	Meenachil	Kottayam	Moderate
				drought
343	Thekkoy	Meenachil	Kottayam	Moderate
	, and the second		J T	drought
344	Poonjar Nadubhagam	Meenachil	Kottayam	Moderate
			-	drought Moderate
345	Poonjar Thekkkara	Meenachil	Kottayam	drought
				Moderate
346	Elikulam	Kanjirapally	Kottayam	drought
				Moderate
347	Chengalam East	Kottayam	Kottayam	drought
				Moderate
348	Elamkulam	Kanjirapally	Kottayam	drought
				Moderate
349	Anikad	Kottayam	Kottayam	drought
250	D 1	T7	77	Moderate
350	Pampady	Kottayam	Kottayam	drought
251	77. 1	01	T7 44	Moderate
351	Vazhur	Changanassery	Kottayam	drought
352	Meenadom	Vottoriom	Vottorrom	Moderate
332	Meenadom	Kottayam	Kottayam	drought
353	Kangazhu	Changanassery	Kottayam	Moderate
333	Kangaziiu	Changanasscry	Rottayam	drought
354	Kannan devan hills	Devikulam	Idukki	Severe
	Haiman devan iiiio	Bevinalani	Iddiiii	Drought
355	Pallivasal	Devikulam	Idukki	Severe
				Drought
356	Anaviratty	Devikulam	Idukki	Severe
	3			Drought
357	Chadhuramgapara	Udumbonchola	Idukki	Severe
				Drought
358	Karimannur	Todupuzha	Idukki	Severe
				Drought Severe
359	Purapuzha	Todupuzha	Idukki	Drought
				Severe
360	Pampadumpara	Udumbonchola	Idukki	Drought
361	Kattappana	Udumbonchola	Idukki	Severe
	attappana		1441111	

				Drought
362	Vagomom	Peermed	Idukki	Severe
302	v agomom	recified	Iddixi	Drought
363	Anakara	Udumbonchola	Idukki	Severe
	1 222042 04	0 0,00,110 011011010	101011111	Drought
364	Kottakamboor	Devikulam	Idukki	Moderate
				drought
365	Vattavada	Devikulam	Idukki	Moderate
				drought
366	Vandanmettu	Udumbonchola	Idukki	Moderate
				drought
367	Chakkupallam	Udumbonchola	Idukki	Moderate
				drought
368	Peernade	Peermed	Idukki	Moderate
				drought
369	Kynnamthanam	Mallappally	Pathanamthitta	Severe
				drought Severe
370	Perumpetty	Mallappally	Pathanamthitta	drought
				Severe
371	Ezhumattoor	Mallappally	Pathanamthitta	drought
				Severe
372	Thellyoor	Mallappally	Pathanamthitta	drought
				Severe
373	Naranganam	Kozhenchery	Pathanamthitta	drought
				Severe
374	Mylapra	Kozhenchery	Pathanamthitta	drought
075	T7' 1	77 1 1	D 11 11 11 11	Severe
375	Kidangannur	Kozhenchery	Pathanamthitta	drought
376	El 41	IV = -1= = = = 1= = ===	Da41a a a a a 41a i44 a	Severe
370	Elanthur	Kozhenchery	Pathanamthitta	drought
377	V Vottovom	Kozhenchery	Pathanamthitta	Severe
311	V.Kottayam	Koznenchery	Famananninta	drought
378	Angadickal	Adoor	Pathanamthitta	Severe
370	Migadickai	Autor	1 attiatiatittiitta	drought
379	Kodumon	Adoor	Pathanamthitta	Severe
013	Hoddinon	714001	Tamanamini	drought
380	Adoor	Adoor	Pathanamthitta	Severe
000		114001	- attrarament	drought
381	Koodal	Adoor	Pathanamthitta	Severe
				drought
382	Peringanad	Adoor	Pathanamthitta	Severe
				drought
383	Kalanjoor	Adoor	Pathanamthitta	Severe
				drought
384	Pallickal	Adoor	Pathanamthitta	Severe
				drought
385	Ezhamkulam	Adoor	Pathanamthitta	Severe
386	Fnodimongolom	Adoor	Pathanamthitta	drought Severe
300	Enadimangalam	Autor	ramanamunua	Severe

				drought
387	Erath	Adoor	Pathanamthitta	Severe
301	Eraur	Autor	Tallialialillilla	drought
388	Chethakal	Ranni	Pathanamthitta	Moderate
300	Circulakai	Rainii	1 amanamma	drought
389	Sooranad North	Kunnathur	Kollam	Severe
003		Hamadia	Honam	drought
390	Ochira	Karunagapally	Kollam	Severe
050		riai ariagapany	110110111	drought
391	Thazhava	Karunagapally	Kollam	Severe
				drought
392	Poruvazhy	Kunnathur	Kollam	Severe
				drought
393	Thalavoor	Pathanapuram	Kollam	Severe
		1		drought
394	Mylom	Kottarakkara	Kollam	Severe
	3			drought
395	Neduvathoor	Kottarakkara	Kollam	Severe
				drought
396	Melila	Kottarakkara	Kollam	Severe
				drought
397	Kottarakara	Kottarakkara	Kollam	Severe
				drought
398	Karavallor	Pathanapuram	Kollam	Severe
		1		drought
399	Chakkuvarakkal	Kottarakkara	Kollam	Severe
				drought
400	Ezhukode	Kottarakkara	Kollam	Severe
				drought
401	Vettikkavala	Kottarakkara	Kollam	Severe
				drought
402	Ummannoor	Kottarakkara	Kollam	Severe
				drought
403	Arakkal	Pathanapuram	Kollam	Severe
		_		drought
404	Odanavattam	Kottarakkara	Kollam	Severe
				drought Severe
405	Karupra	Kottarakkara	Kollam	drought
				Severe
406	Elampalloor	Kollam	Kollam	
				drought Severe
407	Valakom	Kottarakkara	Kollam	drought
				Severe
408	Yeroor	Pathanapuram	Kollam	drought
				Severe
409	Nedumpana	Kollam	Kollam	drought
				Severe
410	Kottankara	Kollam	Kollam	drought
411	Veliyam	Kottarakkara	Kollam	Severe
111	v Ciiyaiii	nonaranara	Milaili	DUVUIU

				drought
412	Pallimon	Kollam	Kollam	Severe
412	Faiiiiioii	Kollalli	Kollalli	drought
413	Alayamon	Pathanapuram	Kollam	Severe
713	Alayamon	r atılallaptırallı	Kullalli	drought
414	Kilikolloor	Kollam	Kollam	Severe
717	Kilikollool	Konam	Konam	drought
415	Channapetta	Pathanapuram	Kollam	Severe
713	Chamapetta	T attiatiapuratii	Rollalli	drought
416	Ihiva	Kottarakkara	Kollam	Severe
710	IIIIva	Nottarannara	Rollalli	drought
417	Kadakkal	Kottarakkara	Kollam	Severe
717	Nauakkai	Rottararkara	Rollalli	drought
418	Nilamel	Kottarakkara	Kollam	Severe
110	TVIIdillei	nottaramara	Honam	drought
419	Chithara	Kottarakkara	Kollam	Severe
110		nottaramara	Honam	drought
420	Parippally	Kollam	Kollam	Severe
120	ranppany	Hondin	Honam	drought
421	Kummil	Kottarakkara	Kollam	Severe
121	T CHILLIAN	nottaramara	Honam	drought
422	Malkode	Kottarakkara	Kollam	Severe
122	Walkoge	nottaramara		drought
423	Madavur	Chirayinkeezhu	Thiruvananthap	Severe
120	Iviada v di	eimayiimeeziia	uram	drought
424	Kilimanur	Chirayinkeezhu	Thiruvananthap	Severe
			uram	drought
425	Navikulam	Chirayinkeezhu	Thiruvananthap	Severe
	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1		uram	drought
426	Pazhayakurrummel	Chirayinkeezhu	Thiruvananthap	Severe
			uram	drought
427	Vallalur	Chirayinkeezhu	Thiruvananthap	Severe
·			uram	drought
428	Pangode	Nedumangad	Thiruvananthap	Severe
			uram	drought
429	Chammaruthy	Chirayinkeezhu	Thiruvananthap	Severe
	<u> </u>	<u> </u>	uram	drought
430	Karavaram	Chirayinkeezhu	Thiruvananthap	Severe
			uram	drought
431	Panavoor	Nedumangad	Thiruvananthap	Severe
			uram	drought
432	Kurupuzha	Nedumangad	Thiruvananthap	Severe
	-		Uram	drought
433	Edakode	Chirayinkeezhu	Thiruvananthap	Severe
		-	Uram	drought
434	Tholicode	Nedumangad	Thiruvananthap	Severe
			Uram	drought
435	Koliakkode	Nedumangad	Thiruvananthap	Severe
426	Mani1-11		Uram	drought
436	Manikkal	Nedumangad	Thiruvananthap	Severe

			uram	drought
427	IV: -1-+1 1-11	Thiruvananthapura	Thiruvananthap	Severe
437	Kizhthonnakkal	m	uram	drought
420	N.C. 141 1-11	Thiruvananthapura	Thiruvananthap	Severe
438	Melthonnakkal	m	uram	drought
400	/D1 1.1 1	NT 1 1	Thiruvananthap	Severe
439	Thekkada	Nedumangad	uram	drought
440	A 1	N - 4 1	Thiruvananthap	Severe
440	Anad	Nedumangad	uram	drought
4.4.1	17 '	DT 1 1	Thiruvananthap	Severe
441	Karipur	Nedumangad	uram	drought
4.40	77 1	DT 1 1	Thiruvananthap	Severe
442	Vembayam	Nedumangad	uram	drought
4.40	A 1 1	Thiruvananthapura	Thiruvananthap	Severe
443	Andoorkonam	m	uram	drought
4.4.4	37 1 1	27 1 1	Thiruvananthap	Severe
444	Nedumangad	Nedumangad	uram	drought
4.4.5	۸ :	Thiruvananthapura	Thiruvananthap	Severe
445	Ayirupara	m	uram	drought
4.4.6	T.11' 1 1	Thiruvananthapura	Thiruvananthap	Severe
446	Uliyazhayhura	m	uram	drought
4.477	T7	DT 1 1	Thiruvananthap	Severe
447	Vattappara	Nedumangad	uram	drought
4.40	77 1 1	DT 1 1	Thiruvananthap	Severe
448	Karakulam	Nedumangad	uram	drought
449	Pangappara	Thiruvananthapura	Thiruvananthap	Severe
779	1 angappara	m	uram	drought
450	Kudappanakunnu	Thiruvananthapura	Thiruvananthap	Severe
730	Kudappanakumu	m	uram	drought
451	Ulloor	Thiruvananthapura	Thiruvananthap	Severe
731	011001	m	uram	drought
452	Perrorkadu	Thiruvananthapura	Thiruvananthap	Severe
702	1 CITOI Kadu	m	uram	drought
453	Vattiyourkavu	Thiruvananthapura	Thiruvananthap	Severe
100	vattiyourkavu	m	uram	drought
454	Malayinkizh	Neyyattinkara	Thiruvananthap	Severe
	111111111111111111111111111111111111111	110 y actilitata	uram	drought
455	Vellarada	Neyyattinkara	Thiruvananthap	Severe
	- 502		uram	drought
456	Pallichal	Neyyattinkara	Thiruvananthap	Severe
	- 0	2.055 0.0011110101	uram	drought
457	Anavur	Neyyattinkara	Thiruvananthap	Severe
		- 5 5	uram	drought
458	Altiyannur	Neyyattinkara	Thiruvananthap	Severe
	<i>J</i> 	- 5 5	uram	drought
459	Kunnathukal	Neyyattinkara	Thiruvananthap	Severe
		J J	uram	drought
460	Kollagil	Neyyattinkara	Thiruvananthap	Severe
			uram	drought
461	Parsala	Neyyattinkara	Thiruvananthap	Severe

			uram	drought
462	Kowdiar	Thiruvananthapura	Thiruvananthap	Moderate
402	Rowdiai	m	uram	drought
463	Pattom	Thiruvananthapura	Thiruvananthap	Moderate
403		m	uram	drought
464	Sasthamangalam	Thiruvananthapura	Thiruvananthap	Moderate
404		m	uram	drought
465	Vanchiyoor	Thiruvananthapura	Thiruvananthap	Moderate
		m	uram	drought

Table 3 shows the villages with atleast some perennial water body.

Table 3: Villages with perennial water bodies (Second Priority Villages; 12 drought prone; 757 Moderate drought prone and 350 severely drought prone)

S1.No	Village	Taluk	District	Drought class
1	Kodlamogaru	Kasaragod	Kasargod	Moderate
				Drought
2	Munja	Kasaragod	Kasargod	Moderate
				Drought
3	Hosbettu	Kasaragod	Kasargod	Moderate
				Drought
4	Paivalike	Kasaragod	Kasargod	Moderate
				Drought
5	Kadambar	Kasaragod	Kasargod	Moderate
				Drought
6	Bayar	Kasaragod	Kasargod	Moderate
	•		Kasargod	Drought Moderate
7	Uppala	Kasaragod		
			Kasargod	Drought Moderate
8	Knmakje	Kasaragod		Drought
9	Kayyar	Kasaragod	Kasargod	Moderate
				Drought
1.0	7.1.1	77 1	Kasargod	Moderate
10	Ichlangod	Kasaragod		Drought
11	Obadoor	V	Kasargod	Moderate
11	Obadoor	Kasaragod		Drought
12	Maire	Kasaragod	Kasargod	Moderate
14	Mane	Kasaraguu	Kasargou	Drought
13	Bombnrana	Kasaragod	Kasargod	Moderate
				Drought
14	Edanad	Kasaragod	Kasargod	Moderate
				Drought
15	Badiadka	Kasaragod	Kasargod	Moderate
				Drought
16	Koipady	Kasaragod	Kasargod	Moderate
		J		Drought
17	Nearchal	Kasaragod	Kasargod	Moderate

				Drought
1.0	IZ11!-	IZ 1	17 1	Moderate
18	Kunbdaje	Kasaragod	Kasargod	Drought
19	Adhur	Kasaragod	Kasargod	Moderate
19	Aunui	Kasaraguu	Kasargou	Drought
20	Madhur	Kasaragod	Kasargod	Moderate
20	Widdildi	Rasaragou	nasargou	Drought
21	Pady	Kasaragod	Kasargod	Moderate
	1 day	Habaragoa	nasargoa	Drought
22	Kudlu	Kasaragod	Kasargod	Moderate
			0	Drought
23	Adoor	Kasaragod	Kasargod	Moderate
				Drought Moderate
24	Chengala	Kasaragod	Kasargod	
				Drought Moderate
25	Muliyar	Kasaragod	Kasargod	Drought
				Moderate
26	Talangare	Kasaragod	Kasargod	Drought
				Moderate
27	Kuttikole	Kasaragod	Kasargod	Drought
20	3.6 1	77 1	77 1	Moderate
28	Munnad	Kasaragod	Kasargod	Drought
00	/T/L = 1-1-:1	V	W	Moderate
29	Thekkil	Kasaragod	Kasargod	Drought
30	Kalnad	Kasaragod	Kasargod	Moderate
30	Ramau	Rasaragou	Masargou	Drought
31	Bedadka	Kasaragod	Kasargod	Moderate
01	Beddana	Habaragoa	nasargoa	Drought
32	Kolathur	Kasaragod	Kasargod	Moderate
			220002800	Drought
33	Kallar	Hosdurg	Kasargod	Moderate
				Drought
34	Panayal	Hosdurg	Kasargod	Moderate
			_	Drought Moderate
35	Udma	Hosdurg	Kasargod	Drought
				Moderate
36	Periye	Hosdurg	Kasargod	Drought
				Moderate
37	Pallikere-II	Hosdurg	Kasargod	Drought
20	T7 1 1	TT 1	17 1	Moderate
38	Kodoph	Hosdurg	Kasargod	Drought
20	D11	Handren	Vocamera	Moderate
39	Pullur	Hosdurg	Kasargod	Drought
40	Pallikere-I	Hosdurg	Kasargod	Moderate
'0	I difficite-I	Hosauig	nasai guu	Drought
41	Maloth	Hosdurg	Kasargod	Moderate
		_	_	Drought
42	Keekan	Hosdurg	Kasargod	Moderate

				Drought
40	01:44	TT 1	77 1	Moderate
43	Chittari	Hosdurg	Kasargod	Drought
44	Westeleri	Hoodiima	Vacancad	Moderate
44	westelen	Hosdurg	Kasargod	Drought
45	Ainur	Поодита	Vacargad	Moderate
43	Ajnur	Hosdurg	Kasargod	Drought
46	Kinanur	Цоодита	Vacargad	Moderate
40	Killallul	Hosdurg	Kasargod	Drought
47	Chaittarikkal	Hosdurg	Kasargod	Moderate
77	Charttarikkar	Hosdurg	Nasargou	Drought
48	Beemanadi	Hosdurg	Kasargod	Moderate
70	Decilianadi	Hosdarg	Nasargou	Drought
49	Karindalam	Hosdurg	Kasargod	Moderate
77	Karmaaam	Hosdarg	Rasargou	Drought
50	Madakai	Hosdurg	Kasargod	Moderate
30	Wadakai	Hosdurg	Nasargou	Drought
51	Kanhongad	Hosdurg	Kasargod	Moderate
31	Kaimongau	Hosdurg	Nasargou	Drought
52	Pudukai	Hosdurg	Kasargod	Moderate
52	i uuukai	Hosdurg	Nasargou	Drought
53	Cheemeni-II	Hosdurg	Kasargod	Moderate
33	Cheemem-n	Hosdarg	Nasargou	Drought
54	Cheemeni-I	Hosdurg	Kasargod	Moderate
34	Cheemen-i	Hosdurg	Nasargou	Drought
55	Kayyur	Hosdurg	Kasargod	Moderate
33	Kayyui	Hosdurg	Nasargou	Drought
56	Perol	Hosdurg	Kasargod	Moderate
30	1 0101	Hosdarg	Rasargou	Drought
57	Nileshwar	Hosdurg	Kasargod	Moderate
37	TVIICSIIWAI	Hosdarg	Rasargou	Drought
58	Kilakode	Hosdurg	Kasargod	Moderate
30	Miakouc	Hosdurg	Nasargou	Drought
59	Cheruvathur	Hosdurg	Kasargod	Moderate
0,5	Cheruvathui	Hosdarg	Rasargou	Drought
60	Padne	Hosdurg	Kasargod	Moderate
00	1 adile	11030415	Rasargou	Drought
61	Pilicode	Hosdurg	Kasargod	Moderate
	1 mouc	11000018	11abai gou	Drought
62	Udinoor	Hosdurg	Kasargod	Moderate
52		11000018	11abai gou	Drought
63	Trikaripur North	Hosdurg	Kasargod	Moderate
	Timaripai morai	11000015	Tabui gou	Drought
64	Trikaripur South	Hosdurg	Kasargod	Moderate
J ,	Timaripai boadii	11000015	11abai gou	Drought
65	Pulingom	Taliparamba	Kannur	Moderate
	- ~	- angaranna		Drought
66	Vayakkara	Taliparamba	Kannur	Moderate
	•	<u>-</u>		Drought
67	Alakkod	Taliparamba	Kannur	Moderate

				Drought
60	Tile i me i mi	Talinananha	V	Moderate
68	Thimiri	Taliparamba	Kannur	Drought
69	Peralam	Taliparamba	Kannur	Moderate
09	Feralalli	Tanparamba	Kaiiiui	Drought
70	Kuttur	Tolinorombo	Kannur	Moderate
70	Kuttui	Taliparamba	Kaiiiui	Drought
71	Karivellur	Taliparamba	Kannur	Moderate
/ 1	Karivenui	Tanparamba	Kaiiiui	Drought
72	Eraman	Taliparamba	Kannur	Moderate
14	Eraman	Tanparamba	Kaiiiui	Drought
73	Kankol	Taliparamba	Kannur	Moderate
73	Kalikui	Tanparamba	Kaiiiui	Drought
74	Eruvessi	Taliparamba	Kannur	Moderate
7 +	Eruvessi	Tanparamba	Kaiiiui	Drought
75	Vellur	Tolinorombo	Kannur	Moderate
73	venui	Taliparamba	Kaiiiui	Drought
76	Kuveri	Talinaramba	Vonnun	Moderate
70	Kuveri	Taliparamba	Kannur	Drought
77	D	T-1:	IV a sa sa sa	Moderate
77	Payyavur	Taliparamba	Kannur	Drought
70	D 1	17	17	Moderate
78	Panappuzha	Kannur	Kannur	Drought
70	17	/D 1: 1	17	Moderate
79	Korome	Taliparamba	Kannur	Drought
90	Danissanana	Talinananha	V	Moderate
80	Pariyaram	Taliparamba	Kannur	Drought
0.1	D	/D = 1: 1	17	Moderate
81	Payyannur	Taliparamba	Kannur	Drought
00	17 - 1 11:	17	TZ	Moderate
82	Kadannappalli	Kannur	Kannur	Drought
0.0	77 ' 1	17	17	Moderate
83	Kunnimangalam	Kannur	Kannur	Drought
0.4	C1 11 1	17	17	Moderate
84	Cheruthazham	Kannur	Kannur	Drought
0.5	77 41	/D 1: 1	17	Moderate
85	Vayathur	Taliparamba	Kannur	Drought
0.6	NT 1 ' 1	/D 1: 1	17	Moderate
86	Nuchiyad	Taliparamba	Kannur	Drought
0.7	T7	7D 1' 1	17	Moderate
87	Kuttiyeri	Taliparamba	Kannur	Drought
0.0	D- (1.1)	7D-1: 1	17	Moderate
88	Ramanthali	Taliparamba	Kannur	Drought
00	A 1	70. 11: 1	7.7	Moderate
89	Ayyankunnu	Tellichery	Kannur	Drought
00	77 1	/D 111 1	17	Moderate
90	Velamana	Tellichery	Kannur	Drought
0.1	0.11	7D 1' 1	17	Moderate
91	Srikantapuram	Taliparamba	Kannur	Drought
92	Ezhome	Kannur	Kannur	Moderate
	<u> </u>		1	

				Drought
93	Talinaramba	Taliparamba Taliparamba	Kannur	Moderate
93	Tanparamba	Tanparamba	Kaililui	Drought
94	Chengalayi	Taliparamba	Kannur	Moderate
74	Cilcingalayi	Tanparamba	Kaimui	Drought
95	Kurumattur	Taliparamba	Kannur	Moderate
70	Kurumattur	Tanparamba	Kamu	Drought
96	Madeyi	Kannur	Kannur	Moderate
50		Railiai	Railitai	Drought
97	Pattuvam	Taliparamba	Kannur	Moderate
<i>J</i> 1	1 attavam	Tanparamba	Haiiiai	Drought
98	Kalliyad	Taliparamba	Kannur	Moderate
50		ranparamoa	- Halliai	Drought
99	Malapattan	Taliparamba	Kannur	Moderate
"	Maiapattan	ranparamoa	- Halliai	Drought
100	Padiyur	Taliparamba	Kannur	Moderate
100	- adiyar	Tanparamba	Haiiiai	Drought
101	Cherukunnu	Kannur	Kannur	Moderate
101	- Cherakamia	Railiai	Haiiiai	Drought
102	Kayaralam	Taliparamba	Kannur	Moderate
102		Tanparamba	Haiiiai	Drought
103	Aralam	Tellichery	Kannur	Moderate
100	7 H didili	remenery	Haiiiai	Drought
104	Andur	Taliparamba	Kannur	Moderate
101	maai	Tanparamba	Haiiiai	Drought
105	Payam	Tellichery	Kannur	Moderate
100	- ayam	Temenery	Haiiiai	Drought
106	Irikkur	Taliparamba	Kannur	Moderate
100	IIIIIIII	Tanparamba		Drought
107	Kannapuram	Kannur	Kannur	Moderate
107		Rainiai	Haiiiai	Drought
108	Morazha	Taliparamba	Kannur	Moderate
100	WOTAZIIA	Tanparamba	Haiiiai	Drought
109	Mattool	Kannur	Kannur	Moderate
103	1/14(1001	Hamidi	Hallial	Drought
110	Kuttiyattur	Taliparamba	Kannur	Moderate
110		Tanparamba	Haiiiai	Drought
111	Pattannur	Tellichery	Kannur	Moderate
111	1 attainiai	remenery	- Halliai	Drought
112	Keezhur	Tellichery	Kannur	Moderate
	110021101	10111011	110111101	Drought
113	Kolacheri	Taliparamba	Kannur	Moderate
				Drought
114	Kalliasseri	Kannur	Kannur	Moderate
'	110111000011	114111141	-14111141	Drought
115	Chavassery	Tellichery	Kannur	Moderate
		2 3222223		Drought
116	Kolari	Tellichery	Kannur	Moderate
		-		Drought
117	Pappinisseri	Kannur	Kannur	Moderate

118 Muzhakkunnu Tellichery Kannur Moderate Drought					Drought
119 Narath Kannur Kannur Moderate Drought 120 Cheleri Taliparamba Kannur Moderate Drought 121 Maniyur Taliparamba Kannur Drought 122 Kottiyur Tellichery Kannur Moderate Drought 123 Azhikkod North Kannur Kannur Moderate Drought 124 Munderi Kannur Kannur Moderate Drought 125 Kannadiparamba Kannur Kannur Moderate Drought 126 Keezhallur Tellichery Kannur Moderate Drought 127 Chirakkal Kannur Kannur Moderate Drought 128 Kanichar Tellichery Kannur Moderate Drought 129 Valapattanam Kannur Kannur Moderate Drought 130 Pazhassi Tellichery Kannur Moderate Drought 131 Kelakam Tellichery Kannur Moderate Drought 132 Manathana Tellichery Kannur Moderate Drought 133 Valiyannur Kannur Kannur Moderate Drought 134 Puzhathi Kannur Kannur Kannur Moderate Drought 135 Ancharakkandi Kannur Kannur Kannur Moderate Drought 136 Vellarveli Tellichery Kannur Moderate Drought 137 Chelora Kannur Kannur Moderate Drought 138 Paduvilayi Tellichery Kannur Moderate Drought 139 Elayavur Kannur Kannur Moderate Drought 140 Vekkalam Tellichery Kannur Moderate Drought 141 Mangattidam Tellichery Kannur Moderate Drought 142 Moderate Drought 143 Kannur Kannur Kannur Moderate Drought 144 Mangattidam Tellichery Kannur Moderate Drought 154 Paduvilayi Tellichery Kannur Moderate Drought 155 Moderate Drought 166 Vekkalam Tellichery Kannur Moderate Drought 176 Kannur Moderate Drought 177 Chelora Kannur Kannur Moderate Drought 188 Paduvilayi Tellichery Kannur Moderate Drought 188 Paduvilayi Tellichery Kannur Moderate Drought 189 Elayavur Kannur Kannur Moderate Drought 189 Moderate Drought 180 Moderate Drought 181 Moderate Drought 184 Moderate Drought 185 Moderate Drought 185 Moderate Drought 186 Moderate Drought 186 Moderate Drought 186 Moderate Drought 187 Moderate Drought 188 Paduvilayi Tellichery Kannur Moderate Drought 189 Elayavur Kannur Kannur Moderate Drought 189 Drought 189 Elayavur Kannur Kannur Moderate Drought	110	Mugholdanoni	Talliahami	Vonnun	
120 Cheleri Taliparamba Kannur Moderate Drought 121 Maniyur Taliparamba Kannur Drought 122 Kottiyur Tellichery Kannur Moderate Drought 123 Azhikkod North Kannur Kannur Drought 124 Munderi Kannur Kannur Moderate Drought 125 Kannadiparamba Kannur Kannur Moderate Drought 126 Keezhallur Tellichery Kannur Moderate Drought 127 Chirakkal Kannur Kannur Moderate Drought 128 Kanichar Tellichery Kannur Moderate Drought 129 Valapattanam Kannur Kannur Moderate Drought 130 Pazhassi Tellichery Kannur Moderate Drought 131 Kelakam Tellichery Kannur Moderate Drought 132 Manathana Tellichery Kannur Moderate Drought 133 Valiyannur Kannur Kannur Moderate Drought 134 Puzhathi Kannur Kannur Kannur Moderate Drought 135 Ancharakkandi Kannur Kannur Moderate Drought 136 Vellarveli Tellichery Kannur Moderate Drought 137 Chelora Kannur Kannur Kannur Moderate Drought 138 Paduvilayi Tellichery Kannur Moderate Drought 139 Elayavur Kannur Kannur Kannur Moderate Drought 140 Vekkalam Tellichery Kannur Moderate Drought	110	Muzhakkumiu	remenery	Kannur	Drought
120 Cheleri Taliparamba Kannur Moderate Drought	110	Narath	Kannur	Kannur	
121 Maniyur Taliparamba Kannur Drought Moderate Drought Drou	119	Ivaratii	Kamiui	Kaiiiui	
121 Maniyur Taliparamba Kannur Moderate Drought 122 Kottiyur Tellichery Kannur Drought 123 Azhikkod North Kannur Kannur Moderate Drought 124 Munderi Kannur Kannur Drought 125 Kannadiparamba Kannur Kannur Moderate Drought 126 Keezhallur Tellichery Kannur Moderate Drought 127 Chirakkal Kannur Kannur Moderate Drought 128 Kanichar Tellichery Kannur Moderate Drought 129 Valapattanam Kannur Kannur Drought 130 Pazhassi Tellichery Kannur Moderate Drought 131 Kelakam Tellichery Kannur Moderate Drought 132 Manathana Tellichery Kannur Drought 133 Valiyannur Kannur Kannur Moderate Drought 134 Puzhathi Kannur Kannur Moderate Drought 135 Ancharakkandi Kannur Kannur Moderate Drought 136 Vellarveli Tellichery Kannur Drought 137 Chelora Kannur Kannur Kannur Moderate Drought 138 Paduvilayi Tellichery Kannur Drought 139 Elayavur Kannur Kannur Kannur Moderate Drought Moderate Drou	120	Cheleri	Talinaramha	Kanniir	
121 Maniyur Taliparamba Kannur Drought 122 Kottiyur Tellichery Kannur Drought 123 Azhikkod North Kannur Kannur Moderate 124 Munderi Kannur Kannur Moderate 125 Kannadiparamba Kannur Kannur Moderate 126 Keezhallur Tellichery Kannur Moderate 127 Chirakkal Kannur Kannur Drought 128 Kanichar Tellichery Kannur Drought 129 Valapattanam Kannur Kannur Moderate 130 Pazhassi Tellichery Kannur Moderate 131 Kelakam Tellichery Kannur Moderate 132 Manathana Tellichery Kannur Drought 133 Valiyannur Kannur Kannur Moderate 134 Puzhathi Kannur Kannur Moderate 135 Ancharakkandi Kannur Kannur Moderate 136 Vellarveli Tellichery Kannur Moderate 137 Chelora Kannur Kannur Moderate 138 Paduvilayi Tellichery Kannur Drought 139 Elayavur Kannur Kannur Moderate 140 Vekkalam Tellichery Kannur Moderate 141 Mangattidam Tellichery	120	Chelen	Tanparamba	Kaiiiui	
122 Kottiyur Tellichery Kannur Moderate Drought 123 Azhikkod North Kannur Kannur Drought 124 Munderi Kannur Kannur Moderate Drought 125 Kannadiparamba Kannur Kannur Drought 126 Keezhallur Tellichery Kannur Moderate Drought 127 Chirakkal Kannur Kannur Moderate Drought 128 Kanichar Tellichery Kannur Drought 129 Valapattanam Kannur Kannur Moderate Drought 130 Pazhassi Tellichery Kannur Moderate Drought 131 Kelakam Tellichery Kannur Moderate Drought 132 Manathana Tellichery Kannur Moderate Drought 133 Valiyannur Kannur Kannur Moderate Drought 134 Puzhathi Kannur Kannur Moderate Drought 135 Ancharakkandi Kannur Kannur Moderate Drought 136 Vellarveli Tellichery Kannur Moderate Drought 137 Chelora Kannur Kannur Moderate Drought 138 Paduvilayi Tellichery Kannur Moderate Drought 139 Elayavur Kannur Kannur Moderate Drought 140 Vekkalam Tellichery Kannur Moderate Drought 141 Mangattidam Tellichery Kannur Moderate Drought 142 Kannur Kannur Kannur Moderate Drought 143 Prought 144 Moderate Drought 145 Moderate Drought 146 Vekkalam Tellichery Kannur Moderate Drought 147 Moderate Drought 148 Paduvilayi Tellichery Kannur Moderate Drought 149 Vekkalam Tellichery Kannur Moderate Drought 140 Vekkalam Tellichery Kannur Moderate Drought 141 Mangattidam Tellichery Kannur Moderate Drought 144 Moderate Drought 145 Moderate Drought 146 Vekkalam Tellichery Kannur Moderate Drought 147 Moderate Drought 148 Mangattidam Moderate Drought 148 Mangattidam Tellichery Kannur Moderate Drought 149 Moderate Drought 140 Moderate Drought 140 Moderate Drought 141 Mangattidam Moderate Drought	121	Manizur	Talinaramha	Kanniir	
122 Kottlyur Tellichery Kannur Drought 123	121	Wally at	Tanparamba	Ramitai	
123 Azhikkod North Kannur Kannur Moderate Drought 124 Munderi Kannur Kannur Moderate Drought 125 Kannadiparamba Kannur Kannur Moderate Drought 126 Keezhallur Tellichery Kannur Moderate Drought 127 Chirakkal Kannur Kannur Moderate Drought 128 Kanichar Tellichery Kannur Moderate Drought 129 Valapattanam Kannur Kannur Moderate Drought 130 Pazhassi Tellichery Kannur Moderate Drought 131 Kelakam Tellichery Kannur Moderate Drought 132 Manathana Tellichery Kannur Moderate Drought 133 Valiyannur Kannur Kannur Moderate Drought 134 Puzhathi Kannur Kannur Moderate Drought 135 Ancharakkandi Kannur Kannur Moderate Drought 136 Vellarveli Tellichery Kannur Moderate Drought 137 Chelora Kannur Kannur Moderate Drought 138 Paduvilayi Tellichery Kannur Moderate Drought 139 Elayavur Kannur Kannur Moderate Drought 130 Vekkalam Tellichery Kannur Moderate Drought 131 Moderate Drought 132 Moderate Drought 133 Valiyannur Kannur Kannur Moderate Drought 134 Puzhathi Kannur Kannur Moderate Drought 155 Ancharakkandi Kannur Kannur Moderate Drought 160 Vellarveli Tellichery Kannur Moderate Drought 170 Chelora Kannur Kannur Moderate Drought 180 Elayavur Kannur Kannur Moderate Drought 180 Elayavur Kannur Kannur Moderate Drought 180 Vekkalam Tellichery Kannur Moderate Drought 180	122	Kottivur	Tellichery	Kannur	
123Azhikkod NorthKannurKannurDrought124MunderiKannurKannurModerate Drought125KannadiparambaKannurKannurModerate Drought126KeezhallurTellicheryKannurModerate Drought127ChirakkalKannurKannurModerate Drought128KanicharTellicheryKannurModerate Drought129ValapattanamKannurKannurModerate Drought130PazhassiTellicheryKannurModerate Drought131KelakamTellicheryKannurModerate Drought132ManathanaTellicheryKannurModerate Drought133ValiyannurKannurKannurModerate Drought134PuzhathiKannurKannurModerate Drought135AncharakkandiKannurKannurModerate Drought136VellarveliTellicheryKannurModerate Drought137CheloraKannurKannurModerate Drought138PaduvilayiTellicheryKannurModerate Drought139ElayavurKannurKannurModerate Drought140VekkalamTellicheryKannurModerate Drought141MangattidamTellicheryKannurDrought		1101119 01		Tallia	_
124 Munderi Kannur Kannur Moderate Drought 125 Kannadiparamba Kannur Kannur Moderate Drought 126 Keezhallur Tellichery Kannur Drought 127 Chirakkal Kannur Kannur Moderate Drought 128 Kanichar Tellichery Kannur Moderate Drought 129 Valapattanam Kannur Kannur Moderate Drought 130 Pazhassi Tellichery Kannur Moderate Drought 131 Kelakam Tellichery Kannur Moderate Drought 132 Manathana Tellichery Kannur Moderate Drought 133 Valiyannur Kannur Kannur Moderate Drought 134 Puzhathi Kannur Kannur Moderate Drought 135 Ancharakkandi Kannur Kannur Moderate Drought 136 Vellarveli Tellichery Kannur Moderate Drought 137 Chelora Kannur Kannur Moderate Drought 138 Paduvilayi Tellichery Kannur Moderate Drought 139 Elayavur Kannur Kannur Moderate Drought 140 Vekkalam Tellichery Kannur Moderate Drought 141 Mangattidam Tellichery Kannur Moderate Drought	123	Azhikkod North	Kannur	Kannur	
Munder Kannur Kannur Drought					
125KannadiparambaKannurKannurModerate Drought126KeezhallurTellicheryKannurModerate Drought127ChirakkalKannurKannurModerate Drought128KanicharTellicheryKannurModerate Drought129ValapattanamKannurKannurModerate Drought130PazhassiTellicheryKannurModerate Drought131KelakamTellicheryKannurModerate Drought132ManathanaTellicheryKannurModerate Drought133ValiyannurKannurKannurModerate Drought134PuzhathiKannurKannurModerate Drought135AncharakkandiKannurKannurModerate Drought136VellarveliTellicheryKannurModerate Drought137CheloraKannurKannurModerate Drought138PaduvilayiTellicheryKannurModerate Drought139ElayavurKannurKannurModerate Drought140VekkalamTellicheryKannurModerate Drought141MangattidamTellicheryKannurModerate Drought141MangattidamTellicheryKannurModerate Drought	124	Munderi	Kannur	Kannur	
Rannur Drought					
126 Keezhallur Tellichery Kannur Moderate Drought 127 Chirakkal Kannur Kannur Moderate Drought 128 Kanichar Tellichery Kannur Moderate Drought 129 Valapattanam Kannur Kannur Moderate Drought 130 Pazhassi Tellichery Kannur Moderate Drought 131 Kelakam Tellichery Kannur Moderate Drought 132 Manathana Tellichery Kannur Moderate Drought 133 Valiyannur Kannur Kannur Moderate Drought 134 Puzhathi Kannur Kannur Moderate Drought 135 Ancharakkandi Kannur Kannur Moderate Drought 136 Vellarveli Tellichery Kannur Moderate Drought 137 Chelora Kannur Kannur Moderate Drought 138 Paduvilayi Tellichery Kannur Moderate Drought 139 Elayavur Kannur Kannur Moderate Drought 140 Vekkalam Tellichery Kannur Moderate Drought 141 Mangattidam Tellichery Kannur Moderate Drought	125	Kannadiparamba	Kannur	Kannur	
Tellichery Kannur Drought		1			
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141 Mangattidam Tellichery Kannur Drought	144	3.4	77. 11° 1	17	
	141	Mangattidam	Tellichery	Kannur	
114 Randan Rainta Temenery Raintal Moutiate	142	Kandan Kunnu	Tellichery	Kannur	Moderate

				Drought
143	Kannur-I	Vonnur	Kannur	Moderate
143	Kannur-i	Kannur	Kaiiliur	Drought
144	Edakkad	Kannur	Kannur	Moderate
177	Duakkau	Kaiiiui	Kaiiiui	Drought
145	Makreri	Kannur	Kannur	Moderate
140	Wakicii	Kaiiiui	Kamiui	Drought
146	Mavilayi	Kannur	Kannur	Moderate
110	Widt Hay I	- Railliai	Railiai	Drought
147	Pathiriyad	Tellichery	Kannur	Moderate
	1 acimiyaa		Talling!	Drought
148	Cheruvancherry	Tellichery	Kannur	Moderate
1.0				Drought
149	Pinarayi	Tellichery	Kannur	Moderate
				Drought
150	Pattayam	Tellichery	Kannur	Moderate
	3	, , , , , , , , , , , , , , , , , , ,		Drought
151	Dharmadam	Tellichery	Kannur	Moderate
		, , , , , , , , , , , , , , , , , , ,		Drought
152	Muzhappilangad	Kannur	Kannur	Moderate
	11 5			Drought
153	Triprangottur	Tellichery	Kannur	Moderate
	1 0	, , , , , , , , , , , , , , , , , , ,		Drought
154	Kadirur	Tellichery	Kannur	Moderate
				Drought
155	Erannoli	Tellichery	Kannur	Moderate
				Drought Moderate
156	Talasseri	Tellichery	Kannur	
				Drought Moderate
157	Thiruvangad	Tellichery	Kannur	Drought
				Moderate
158	Pannyannur	Tellichery	Kannur	
				Drought Moderate
159	Kodiyeri	Tellichery	Kannur	Drought
				Moderate
160	Peringathur	Tellichery	Kannur	Drought
				Moderate
161	Chokli	Tellichery	Kannur	Drought
				Moderate
162	Chekkyad	Vadakara	Kozhikkode	Drought
				Moderate
163	Valayam	Vadakara	Kozhikkode	Drought
				Moderate
164	Vanimel	Vadakara	Kozhikkode	Drought
1.57	7. ·	77 1 1	77 4 14 4	Moderate
165	Narippetta	Vadakara	Kozhikkode	Drought
1.6.6	/D1	77 1 1		Moderate
166	Thuner	Vadakara	Kozhikkode	Drought
167	Edacheri	Vadakara	Kozhikkode	Moderate
			1	1

				Drought
168	Vorrolrlrodi	Vadalrana	Kozhikkode	Moderate
108	Kayakkodi	Vadakara	Koznikkode	Drought
169	Nadapuram	Vadakara	Kozhikkode	Moderate
109	Nauapuram	Vauakara	KOZIIIKKOUC	Drought
170	Eramala	Vadakara	Kozhikkode	Moderate
170	Diamaia	vadakara	ROZIIIKKOGC	Drought
171	Maruthonkara	Vadakara	Kozhikkode	Moderate
171	war a triorinar a	vadakara	ROZIIRROGC	Drought
172	Chembanoda	Quilandy	Kozhikkode	Moderate
172	Onembanoda	Quitariay	ROZIIIKKOGC	Drought
173	Kuttadi	Vadakara	Kozhikkode	Moderate
170		Vadanara	Hozminode	Drought
174	Paleri	Quilandy	Kozhikkode	Moderate
		Q distant	1102111110 0,0	Drought
175	Velom	Vadakara	Kozhikkode	Moderate
1.0		· croscinate co	1102111110 0,0	Drought
176	Changaroth	Quilandy	Kozhikkode	Moderate
	011411-941-9411	Q distant	1102111110 0,0	Drought
177	Chakkittapara	Quilandy	Kozhikkode	Moderate
1		Quilailaj	1102111111040	Drought
178	Perambra	Quilandy	Kozhikkode	Moderate
1.0	- Toramora	Quilailaj	1102111111040	Drought
179	Thiruvallur	Vadakara	Kozhikkode	Moderate
1.7		v addiai a	1102111111040	Drought
180	Cheruvannur	Quilandy	Kozhikkode	Moderate
100		Quilailaj	1102111111040	Drought
181	Eravattur	Quilandy	Kozhikkode	Moderate
		ę		Drought
182	Koothali	Quilandy	Kozhikkode	Moderate
101		Q distant	1102111110 0,0	Drought
183	Maniyur	Vadakara	Kozhikkode	Moderate
				Drought
184	Meshanyam	Quilandy	Kozhikkode	Moderate
		ey		Drought
185	Kayanna	Quilandy	Kozhikkode	Moderate
				Drought
186	Kanthalad	Quilandy	Kozhikkode	Moderate
		, , , , , , , , , , , , , , , , , , ,		Drought
187	Thurayur	Quilandy	Kozhikkode	Moderate
				Drought
188	Puthuppadi	Kozhikkode	Kozhikkode	Moderate
				Drought
189	Payyoli	Quilandy	Kozhikkode	Moderate
				Drought
190	Arikulam	Quilandy	Kozhikkode	Moderate
				Drought
191	Thikodi	Quilandy	Kozhikkode	Moderate
192	Voorberiere		V o = 10 :1-11 -	Drought
194	Keezhariyur	Quilandy	Kozhikkode	Moderate

				Drought
193	Kodancheri	Kozhikkode	Kozhikkode	Moderate
193	Kodanchen	Koznikkode	Koznikkode	Drought
194	Naduvannur	Quilandy	Kozhikkode	Moderate
194	Nauuvaiiiui	Quilatiuy	KOZIIIKKOUC	Drought
195	Avidanallur	Quilandy	Kozhikkode	Moderate
170	Tividanandi	Quilatiuy	ROZIIIRROGC	Drought
196	Mudadi	Quilandy	Kozhikkode	Moderate
150	Wadaai	Quilanay	ROZIIIRROGE	Drought
197	Kinalur	Quilandy	Kozhikkode	Moderate
17,		Quilding	1102111111040	Drought
198	Viyyur	Quilandy	Kozhikkode	Moderate
		ę oliidiid)	11021111110 0,0	Drought
199	Thiruvambadi	Kozhikkode	Kozhikkode	Moderate
				Drought
200	Engapuzha	Kozhikkode	Kozhikkode	Moderate
				Drought
201	Panangad	Quilandy	Kozhikkode	Moderate
	-	<u> </u>		Drought
202	Ulliyeri	Quilandy	Kozhikkode	Moderate
	<u> </u>	C 3		Drought
203	Panthalayini	Quilandy	Kozhikkode	Moderate
		C J		Drought
204	Balusseri	Quilandy	Kozhikkode	Moderate
		g y		Drought
205	Koodattayi	Kozhikkode	Kozhikkode	Moderate
	-			Drought Moderate
206	Raroth	Kozhikkode	Kozhikkode	
				Drought Moderate
207	Kodaranji	Kozhikkode	Kozhikkode	
				Drought Moderate
208	Atholi	Quilandy	Kozhikkode	Drought
				Moderate
209	Chengottukavu	Quilandy	Kozhikkode	Drought
				Moderate
210	Kizhakoth	Kozhikkode	Kozhikkode	Drought
				Moderate
211	Chenancheri	Quilandy	Kozhikkode	Drought
				Moderate
212	Vavad	Kozhikkode	Kozhikkode	Drought
				Moderate
213	Puthur	Kozhikkode	Kozhikkode	Drought
				Moderate
214	Thalakulathur	Kozhikkode	Kozhikkode	Drought
0.1.7	01 1	77 4 14 4	77 1111	Moderate
215	Chelannur	Kozhikkode	Kozhikkode	Drought
016	NT 1	T7 1 11 1	T7 1 '1 1 1	Moderate
216	Neeleswaram	Kozhikkode	Kozhikkode	Drought
217	Koduralli	Kozhikkode	Kozhikkode	Moderate
I		1	1	1

				Drought
240	3.5 1		1 11 1	Moderate
218	Madavoor	Kozhikkode	Kozhikkode	Drought
010	T21 - 41	TZ = =1, !1=1= = .1 =	171- 11-11-	Moderate
219	Elathur	Kozhikkode	Kozhikkode	Drought
000	Kakkodi	Kozhikkode	Kozhikkode	Moderate
220	Kakkodi	Kozilikkode	Koznikkode	Drought
221	Chattamangalam	Kozhikkode	Kozhikkode	Moderate
221	Chettamangalam	Kozilikkode	Koznikkode	Drought
222	Thazhekode	Kozhikkode	Kozhikkode	Moderate
444	Haznekode	KOZIIIKKOUC	Koznikkode	Drought
223	Kuruvattur	Kozhikkode	Kozhikkode	Moderate
443	Kuruvattur	KOZIIIKKOUC	Koznikkode	Drought
224	Kummamangalam	Kozhikkode	Kozhikkode	Moderate
444	Kummamangalam	Nozilikkoue	Koznikkode	Drought
225	Kumaranalloor	Kozhikkode	Kozhikkode	Moderate
443	Kumarananoor	KOZIIIKKOUC	Koznikkode	Drought
226	Poolakode	Kozhikkode	Kozhikkode	Moderate
440	Foolakode	KOZIIIKKOUC	Koznikkode	Drought
227	Kakkad	Kozhikkode	Kozhikkode	Moderate
441	Kakkau	KOZIIIKKOUC	Koznikkode	Drought
228	Voncori	Kozhikkode	Kozhikkode	Moderate
440	Vengeri	KOZIIIKKOUC	Koznikkode	Drought
229	Vadivallur	Kozhikkode	Kozhikkode	Moderate
449	Kodiyallur	KOZIIIKKOUC	Koznikkode	Drought
230	Chevayur	Kozhikkode	Kozhikkode	Moderate
230	Chevayui	ROZIIIKKUUC	Koznikkouc	Drought
231	Peruvayal	Kozhikkode	Kozhikkode	Moderate
201	1 ci uvayai	ROZIIIRROUC	Roziiikkode	Drought
232	Katcheri	Kozhikkode	Kozhikkode	Moderate
202	Tidtellell	Mozimmode	Rozimmode	Drought
233	Mavoor	Kozhikkode	Kozhikkode	Moderate
200	1114 7 001	nozimmode	Hoziminode	Drought
234	Kuttuli	Kozhikkode	Kozhikkode	Moderate
	Tattan		1102111111040	Drought
235	Kasaba	Kozhikkode	Kozhikkode	Moderate
	Hasasa		1102111111040	Drought
236	Perumanna	Kozhikkode	Kozhikkode	Moderate
				Drought
237	Valavanad	Kozhikkode	Kozhikkode	Moderate
	.,			Drought
238	Panthuraskavu	Kozhikkode	Kozhikkode	Moderate
				Drought
239	Nagaran	Kozhikkode	Kozhikkode	Moderate
				Drought
240	Olavanna	Kozhikkode	Kozhikkode	Moderate
				Drought
241	Panniankara	Kozhikkode	Kozhikkode	Moderate
				Drought
242	Cheruvamur	Kozhikkode	Kozhikkode	Moderate

				Drought
042	D	IZ1- 11-11-	171- 11-1 1 -	Moderate
243	Beypore	Kozhikkode	Kozhikkode	Drought
244	Ramanattukara	Kozhikkode	Kozhikkode	Moderate
244	Ramananukara	Kozilikkode	Koznikkode	Drought
245	Feroke	Kozhikkode	Kozhikkode	Moderate
243	reloke	KUZIIIKKUUE	Koznikkoue	Drought
246	Karuvanthuruthi	Kozhikkode	Kozhikkode	Moderate
240	Karuvaninululii	ROZIIIKKOUC	ROZIIIKKOUC	Drought
247	Kadalundi	Kozhikkode	Kozhikkode	Moderate
				Drought
248	Vadakara	Vadakara	Kozhikkode	Drought
249	Nadakkkuthazha	Vadakara	Kozhikkode	Drought
250	Palayad	Vadakara	Kozhikkode	Drought
251	Iringal	Quilandy	Kozhikkode	Drought
252	Thirunalli	Mananthavady	Wayanad	Severe
232	I IIII UII aiii	Mananthavady	wayanau	Drought
253	Thrissileri	Mananthavady	Wayanad	Severe
233	111118811611	Mananthavady	wayanau	Drought
254	Pulpalli	Sulthan Bathery	Wayanad	Severe
207	i dipani	Suman Damery	Wayanau	Drought
255	Payyampalli	Mananthavady	Wayanad	Severe
200	1 ayyampam	Mananthavady	Wayanau	Drought
256	Cherukattur	Mananthavady	Wayanad	Severe
200	Cilciakattai	Mananthavady	wayanau	Drought
257	Panamaram	Mananthavady	Wayanad	Severe
201	1 anamaram	Mananthavady	wayanau	Drought
258	Anchukunnu	Mananthavady	Wayanad	Severe
200	Turciiakaiiia	Wanantnavaay	wayanaa	Drought
259	Kuppadithara	Vythiri	Wayanad	Severe
	Tappaarara	v y 011111		Drought
260	Nulpuzha	Sulthan Bathery	Wayanad	Severe
		January January		Drought
261	Kottathara	Vythiri	Wayanad	Severe
		J ·		Drought
262	Vengappalli	Vythiri	Wayanad	Severe
	0 11	J		Drought
263	Muppainad	Vythiri	Wayanad	Severe
		J		Drought
264	Vellarimala	Vythiri	Wayanad	Severe
			<u> </u>	Drought
265	Thavinhal	Mananthavady	Wayanad	Moderate
		-		Drought Moderate
266	Mannanthavady	Mananthavady	Wayanad	
				Drought Moderate
267	Periya	Mananthavady	Wayanad	Drought
				Moderate
268	Valad	Mananthavady	Wayanad	Drought
269	Thondernad	Mananthavady	Wayanad	Moderate
409	Hilliutillau	Mananinavauy	wayanau	Moderate

				Drought
270	Vaniirangad	Manantharradu	Wayanad	Moderate
270	Kanjirangad	Mananthavady	Wayanad	Drought
271	Nallurnad	Mananthavady	Wayanad	Moderate
2/1	Nanumau	Mananthavady	Wayanau	Drought
272	Edavaka	Mananthavady	Wayanad	Moderate
212	Duavaka	wananinavady	wayanau	Drought
273	Porunnannur	Mananthavady	Wayanad	Moderate
213	1 of diffiantial	wananinavady	wayanau	Drought
274	Vellamunda	Mananthavady	Wayanad	Moderate
271	Venamanaa	- Wallallallallavaay	wayanaa	Drought
275	Padinharathara	Vythiri	Wayanad	Moderate
270	- Tudilliaratilara	• y ciiii	Wayanaa	Drought
276	Kavummandam	Vythiri	Wayanad	Moderate
			wayanaa	Drought
277	Tariyod	Vythiri	Wayanad	Moderate
211		v y tiiii i	wayanaa	Drought
278	Achooranam	Vythiri	Wayanad	Moderate
270	renooranam	v y tiiiii	wayanaa	Drought
279	Pozhuthana	Vythiri	Wayanad	Moderate
217	1 oznatnana	v y tiiii i	wayanaa	Drought
280	Chundel	Vythiri	Wayanad	Moderate
200		v y tiiii i	wayanaa	Drought
281	Chungathara	Nilambur	Malappuram	Severe
201		TTIAIIISAI	Maiapparam	Drought
282	Kurumbalangodu	Nilambur	Malappuram	Severe
202		TTIAIIISAI	Maiapparam	Drought
283	Edakkara	Nilambur	Malappuram	Severe
	Baamara		marapparam	Drought
284	Valikadavu	Nilambur	Malappuram	Severe
201	Vaimadava	Tillalliodi	Maiapparam	Drought
285	Akampadam	Nilambur	Malappuram	Moderate
200	- manipadam	Tillalliodi	Maiapparam	Drought
286	Karulai	Nilambur	Malappuram	Moderate
		111111111111111111111111111111111111111	marapparam	Drought
287	Pullippadam	Nilambur	Malappuram	Moderate
201	- unippadam	Tillalliodi	Maiapparam	Drought
288	Nilambur	Nilambur	Malappuram	Moderate
				Drought
289	Amarambalam	Nilambur	Malappuram	Moderate
	- III allouidiii	111111111111111111111111111111111111111		Drought
290	Urangathiri	Eranad	Malappuram	Moderate
				Drought
291	Kizhuparamba	Eranad	Malappuram	Moderate
	aparamoa	2101100	apparam	Drought
292	Vazhakkad	Eranad	Malappuram	Moderate
				Drought
293	Parakkamanna	Eranad	Malappuram	Moderate
				Drought
294	Mambad	Nilambur	Malappuram	Moderate

				Drought
295	Edavam	Eranad	Malanninam	Moderate
295	Edavaili	Eranad	Malappuram	Drought
296	Chikkod	Eranad	Malappuram	Moderate
290	CIlikkou	Dianau	Maiappurain	Drought
297	Areacode	Eranad	Malappuram	Moderate
271	Meacode	Dianad	Waiappuram	Drought
298	Chokkad	Nilambur	Malappuram	Moderate
200	CHOINE	Tillallibal	Maiapparam	Drought
299	Vazhayur	Eranad	Malappuram	Moderate
	· azraj ur	Branaa	marapparam	Drought
300	Wandur	Nilambur	Malappuram	Moderate
	· · · · · · · · · · · · · · · · · · ·	111111111111111111111111111111111111111	marapparam	Drought
301	Kavanur	Eranad	Malappuram	Moderate
				Drought
302	Kalikavu	Nilambur	Malappuram	Moderate
				Drought
303	Vellayur	Nilambur	Malappuram	Moderate
		- 1		Drought
304	Kerala Estate	Nilambur	Malappuram	Moderate
		- 1		Drought
305	Chelembra	Tirurngadi	Malappuram	Moderate
		8		Drought
306	Thuvvur	Nilambur	Malappuram	Moderate
			11	Drought
307	Tennippalam	Tirurngadi	Malappuram	Moderate
			11	Drought
308	Vallikunnu	Tirurngadi	Malappuram	Moderate
				Drought
309	Karuvarakundu	Nilambur	Malappuram	Moderate
				Drought Moderate
310	Vettikkafiri	Eranad	Malappuram	
				Drought Moderate
311	Payyanad	Eranad	Malappuram	Drought
				Moderate
312	Manjiri	Eranad	Malappuram	Drought
				Moderate
313	Pandikkad	Eranad	Malappuram	Drought
				Moderate
314	Anakkayam	Eranad	Malappuram	Drought
				Moderate
315	Ariyallur	Tirurngadi	Malappuram	Drought
				Moderate
316	Moonniyur	Tirurngadi	Malappuram	Drought
615	TT 1	m: ::	26.1	Moderate
317	Urakam	Tirurngadi	Malappuram	Drought
010	D 11	D 1	26.1	Moderate
318	Pandalur	Eranad	Malappuram	Drought
319	Edapatta	Perinthalmanna	Malappuram	Moderate
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Melmuri Eranad Malappuram Moderate Drought					Drought
Nemmini Perinthalmanna Malappuram Moderate Drought	220	Molmani	Francid	Malannuram	
Nemmin Perinthalmanna Malappuram Drought	320	Meimun	Eranad	Maiappurain	Drought
South Sout	321	Nemmini	Perinthalmanna	Malannuram	Moderate
Malappuram Drought Moderate Drought	321		1 CHIIIII amama	Maiappuram	Ü
323 Melattur Perinthalmanna Malappuram Moderate Drought	322	Koduyayur	Timirngadi	Malannuram	
Neduva Tirurngadi Malappuram Drought	322	Roddvaydi	Tirurigadi	watappuram	
Neduva Tirurngadi Malappuram Moderate Drought	323	Melattur	Perinthalmanna	Malannuram	
Neduva Tirurngadi Malappuram Drought	020		1 CHIRCHAINIAINIA	мааррагаш	
Parappanangadi Tirurngadi Malappuram Moderate Drought	324	Neduva	Tirurngadi	Malappuram	
Parappanangadi Perinthalmanna Malappuram Drought	02.		TH di Hada		Ŭ
Second Perinthalmanna Malappuram Moderate Drought	325	Parappanangadi	Tirurngadi	Malappuram	
Rottilangadi Perinthalmanna Malappuram Drought	0_0	- arapparangaar	111 011 11-001011		
Ranakkad Eranad Malappuram Moderate	326	Kottilangadi	Perinthalmanna	Malappuram	
327RanakkadEranadMalappuramDrought328VengaraTirurngadiMalappuramModerate Drought329KelzhatturPerinthalmannaMalappuramModerate Drought330MalappuramEranadMalappuramModerate Drought331OthukungalTirurngadiMalappuramModerate Drought332TirurangadiTirurngadiMalappuramModerate Drought333KodurPerinthalmannaMalappuramModerate Drought334ParappurTirurngadiMalappuramModerate Drought335PonmalaTirurMalappuramModerate Drought336ThennalaTirurngadiMalappuramModerate Drought337KuruvaPerinthalmannaMalappuramModerate Drought338PariyapuramTirurMalappuramModerate Drought339TanurTirurMalappuramModerate Drought340MoorkanadPerinthalmannaMalappuramModerate Drought341KuruvambalamPerinthalmannaMalappuramModerate Drought342AnamangadPerinthalmannaMalappuramModerate Drought343PulamontholePerinthalmannaMalappuramModerate Drought					Ŭ
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Vengara Tirurngadi Malappuram Drought					
Section	328	Vengara	Tirurngadi	Malappuram	
Malappuram Drought			O O		
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Malappuram Eranad Malappuram Drought					0
331 Othukungal Tirurngadi Malappuram Moderate Drought 332 Tirurangadi Tirurngadi Malappuram Moderate Drought 333 Kodur Perinthalmanna Malappuram Moderate Drought 334 Parappur Tirurngadi Malappuram Moderate Drought 335 Ponmala Tirur Malappuram Moderate Drought 336 Thennala Tirurngadi Malappuram Moderate Drought 337 Kuruva Perinthalmanna Malappuram Moderate Drought 338 Pariyapuram Tirur Malappuram Moderate Drought 339 Tanur Tirur Malappuram Moderate Drought 340 Moorkanad Perinthalmanna Malappuram Moderate Drought 341 Kuruvambalam Perinthalmanna Malappuram Moderate Drought 342 Anamangad Perinthalmanna Malappuram Moderate Drought 343 Pulamonthole Perinthalmanna Malappuram Moderate Drought 344 Perinthalmanna Malappuram Moderate Drought 345 Pulamonthole Perinthalmanna Malappuram Moderate Drought 346 Moderate Drought 347 Moderate Drought 348 Pulamonthole Perinthalmanna Malappuram Moderate Drought 349 Pulamonthole Perinthalmanna Malappuram Moderate Drought	330	Malappuram	Eranad	Malappuram	
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332TirurangadiTirurngadiMalappuramDrought333KodurPerinthalmannaMalappuramModerate Drought334ParappurTirurngadiMalappuramModerate Drought335PonmalaTirurMalappuramModerate Drought336ThennalaTirurngadiMalappuramModerate Drought337KuruvaPerinthalmannaMalappuramModerate Drought338PariyapuramTirurMalappuramModerate Drought339TanurTirurMalappuramModerate Drought340MoorkanadPerinthalmannaMalappuramModerate Drought341KuruvambalamPerinthalmannaMalappuramModerate Drought342AnamangadPerinthalmannaMalappuramModerate Drought343PulamontholePerinthalmannaMalappuramModerate Drought			o o		
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333KodurPerinthalmannaMalappuramDrought334ParappurTirurngadiMalappuramModerate Drought335PonmalaTirurMalappuramModerate Drought336ThennalaTirurngadiMalappuramModerate Drought337KuruvaPerinthalmannaMalappuramModerate Drought338PariyapuramTirurMalappuramModerate Drought339TanurTirurMalappuramModerate Drought340MoorkanadPerinthalmannaMalappuramModerate Drought341KuruvambalamPerinthalmannaMalappuramModerate Drought342AnamangadPerinthalmannaMalappuramModerate Drought343PulamontholePerinthalmannaMalappuramModerate Drought					
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334ParappurTirurngadiMalappuramDrought335PonmalaTirurMalappuramModerate Drought336ThennalaTirurngadiMalappuramModerate Drought337KuruvaPerinthalmannaMalappuramModerate Drought338PariyapuramTirurMalappuramModerate Drought339TanurTirurMalappuramModerate Drought340MoorkanadPerinthalmannaMalappuramModerate Drought341KuruvambalamPerinthalmannaMalappuramModerate Drought342AnamangadPerinthalmannaMalappuramModerate Drought343PulamontholePerinthalmannaMalappuramModerate Drought					
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337KuruvaPerinthalmannaMalappuramModerate Drought338PariyapuramTirurMalappuramModerate Drought339TanurTirurMalappuramModerate Drought340MoorkanadPerinthalmannaMalappuramModerate Drought341KuruvambalamPerinthalmannaMalappuramModerate Drought342AnamangadPerinthalmannaMalappuramModerate Drought343PulamontholePerinthalmannaMalappuramModerate Drought	336	Thennala	Tirurngadi	Malappuram	
337KuruvaPerinthalmannaMalappuramDrought338PariyapuramTirurMalappuramModerate Drought339TanurTirurMalappuramModerate Drought340MoorkanadPerinthalmannaMalappuramModerate Drought341KuruvambalamPerinthalmannaMalappuramModerate Drought342AnamangadPerinthalmannaMalappuramModerate Drought343PulamontholePerinthalmannaMalappuramModerate Drought					Ü
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Tirur Malappuram Drought Tirur Malappuram Drought Moderate Drought Perinthalmanna Malappuram Moderate Drought Moderate Drought Moderate Drought Moderate Drought Moderate Drought Moderate Drought					
Tanur Tirur Malappuram Moderate Drought Perinthalmanna Malappuram Moderate Drought Perinthalmanna Malappuram Moderate Drought Moderate Drought	338	Pariyapuram	Tirur	Malappuram	
339TanurTirurMalappuramDrought340MoorkanadPerinthalmannaMalappuramModerate Drought341KuruvambalamPerinthalmannaMalappuramModerate Drought342AnamangadPerinthalmannaMalappuramModerate Drought343PulamontholePerinthalmannaMalappuramModerate Drought					
340MoorkanadPerinthalmannaMalappuramModerate Drought341KuruvambalamPerinthalmannaMalappuramModerate Drought342AnamangadPerinthalmannaMalappuramModerate Drought343PulamontholePerinthalmannaMalappuramModerate Drought	339	Tanur	Tirur	Malappuram	
341 Kuruvambalam Perinthalmanna Malappuram Drought 341 Kuruvambalam Perinthalmanna Malappuram Moderate Drought 342 Anamangad Perinthalmanna Malappuram Moderate Drought 343 Pulamonthole Perinthalmanna Malappuram Moderate Drought	240	36 1 1	D 1 1 1	3.6.1	
341KuruvambalamPerinthalmannaMalappuramModerate Drought342AnamangadPerinthalmannaMalappuramModerate Drought343PulamontholePerinthalmannaMalappuramModerate Drought	340	Moorkanad	Perinthalmanna	Malappuram	
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343 Pulamonthole Perinthalmanna Malappuram Moderate Drought	342	Anamangad	Perinthalmanna	Malappuram	
343 Pulamonthole Perinthalmanna Malappuram Drought	0.40	D1- (1 1	D- 11 1	λ.r 1	
	343	Pulamonthole	Perinthalmanna	Maiappuram	
577 Chenyamundam Thui Maiappuram Moderate	344	Cheriyamundam	Tirur	Malappuram	Moderate

				Drought
345	Alimamamaha	Dominath almanna	Malamanama	Moderate
345	Aliparamba	Perinthalmanna	Malappuram	Drought
346	Tirur	Tirur	Malappuram	Moderate
340	III QI	Tirui	Maiappuraiii	Drought
347	Elamkulam	Perinthalmanna	Malappuram	Moderate
347	Diamkulam	1 CHIIIIIIIIIIIIIII	Maiappuram	Drought
348	Trikkandiyur	Tirur	Malappuram	Moderate
010		III di	maiapparam	Drought
349	Vettam	Tirur	Malappuram	Moderate
015	Vettairi	THAI	матарратат	Drought
350	Talakkad	Tirur	Malappuram	Moderate
000	Talainaa	111 (41	Maiapparam	Drought
351	Irimbiliyam	Tirur	Malappuram	Moderate
001		111 (41	- Maiapparam	Drought
352	Naduvattam	Tirur	Malappuram	Moderate
	Tidad vattarii	111 (41	maapparam	Drought
353	Thirunnavaya	Tirur	Malappuram	Moderate
		11101		Drought
354	Thriprangode	Tirur	Malappuram	Moderate
001		111 (41	- Maiapparam	Drought
355	Kuttippuram	Tirur	Malappuram	Moderate
		111 (41	maapparam	Drought
356	Mangalam	Tirur	Malappuram	Moderate
		111 (41	- Maiapparam	Drought
357	Tavanur	Ponnani	Malappuram	Moderate
00.	- Tavarar	1 011110111	- Maiapparam	Drought
358	Purathur	Tirur	Malappuram	Moderate
				Drought
359	Kalady	Ponnani	Malappuram	Moderate
007		1 01110111		Drought
360	Izhuvattirutti	Ponnani	Malappuram	Moderate
				Drought
361	Edappal	Ponnani	Malappuram	Moderate
	P P			Drought
362	Ponnani Nagaram	Ponnani	Malappuram	Moderate
				Drought
363	Marancheri	Ponnani	Malappuram	Moderate
			Transfer of the second	Drought
364	Veliyamkod	Ponnani	Malappuram	Moderate
			Tr	Drought
365	Nannamukku	Ponnani	Malappuram	Moderate
			11	Drought
366	Perumbadappu	Ponnani	Malappuram	Moderate
	11		1.1	Drought
367	Elappully-I	Palakkad	Palakkad	Severe
				Drought
368	Kodumba	Palakkad	Palakkad	Severe
	D111. II	D-1-1-1- 1	D-1-1-1- 1	Drought
369	Elappully-II	Palakkad	Palakkad	Severe

				,
				Drought
370	Nalleppilly	Chittur	Palakkad	Severe
	rumopping	- Cilitadi	- didiliad	Drought
371	Polpulli	Palakkad	Palakkad	Severe
				Drought
372	Valiyavallampadhy	Chittur	Palakkad	Severe
				Drought
373	Thekkedeaom	Chittur	Palakkad	Severe
				Drought Severe
374	Peruvemba	Palakkad	Palakkad	Drought
				Severe
375	Chittur	Chittur	Palakkad	Drought
				Severe
376	Thathamangalam	Chittur	Palakkad	Drought
				Severe
377	Perumathy	Chittur	Palakkad	Drought
		~	- 4 4 4	Severe
378	Vamdithavalam	Chittur	Palakkad	Drought
270	35.1.1.	Q1.1	D 1 11 1	Severe
379	Muthalamada-I	Chittur	Palakkad	Drought
200	DT 11' (1	01 14	D 1 11 1	Severe
380	Nelliampathy	Chittur	Palakkad	Drought
381	Puthur	Mannarkad	Palakkad	Moderate
361	Puthur	Maimarkau	Palakkad	Drought
382	Padavayal	Mannarkad	Palakkad	Moderate
302	Tadavayai	Maimarkau	Talakkau	Drought
383	Agali	Mannarkad	Palakkad	Moderate
000	7.50	- Walliana	1 didiliad	Drought
384	Kottathara	Mannarkad	Palakkad	Moderate
				Drought
385	Kallamala	Mannarkad	Palakkad	Moderate
				Drought
386	Alanellur-III	Mannarkad	Palakkad	Moderate
				Drought
387	Kottappadam-I	Mannarkad	Palakkad	Moderate
				Drought Moderate
388	Payyanadam	Mannarkad	Palakkad	Drought
				Moderate
389	Mannarkad-I	Mannarkad	Palakkad	Drought
				Moderate
390	Alanellur-II	Mannarkad	Palakkad	Drought
0.5.1			5444	Moderate
391	Mannarkad-II	Mannarkad	Palakkad	Drought
200	A1 11 T	М 1 1	D-1-11 1	Moderate
392	Alanellur-I	Mannarkad	Palakkad	Drought
202	Dotto coomi I	Mannantrad	Do1o1-1-0-d	Moderate
393	Pottasseri-I	Mannarkad	Palakkad	Drought
394	Kumaramputhur	Mannarkad	Palakkad	Moderate

				Drought
395	Pottasseri-II	Mannarkad	Palakkad	Moderate
393	Pottasseri-II	Mannarkad	Palakkau	Drought
396	Tachambra	Mannarkad	Palakkad	Moderate
390	rachambra	Maiillaikau	raiakkau	Drought
397	Tachanattukara-I	Mannarkad	Palakkad	Moderate
391	raciiaiiaitukara-i	Maiiliaikau	Talakkau	Drought
398	Karakurussi	Mannarkad	Palakkad	Moderate
390	Karakurussi	Maiiiaikau	Talakkau	Drought
399	Karimpuzha-I	Ottappalam	Palakkad	Moderate
399	Karimpuzna-i	Ottapparam	r alakkau	Drought
400	Tachanattukara-II	Mannarkad	Palakkad	Moderate
400	Tachananukara-n	Maiiliaikau	Falakkau	Drought
401	Vorimpusho II	Ottonnolom	Palakkad	Moderate
401	Karimpuzha-II	Ottappalam	Palakkad	Drought
400	Vanimala a I	Mannarkad	D-1-1-1 4	Moderate
402	Karimba-I	Mannarkad	Palakkad	Drought
400	N/ 1 1 T	D 1 11 1	D 1 11 1	Moderate
403	Malampuzha-I	Palakkad	Palakkad	Drought
404	5 1	D 1 11 1	D 1 11 1	Moderate
404	Puduppariyaram-I	Palakkad	Palakkad	Drought
	44		- 1 11 1	Moderate
405	Vellinezha	Ottappalam	Palakkad	Drought
				Moderate
406	Sreekrishnapuram-I	Ottappalam	Palakkad	Drought
				Moderate
407	Karimba-II	Mannarkad	Palakkad	Drought
			- 1 11 1	Moderate
408	Cherplachery	Ottappalam	Palakkad	Drought
	Kadambazhipuram-			Moderate
409	II	Ottappalam	Palakkad	Drought
				Moderate
410	Kulukkallur	Ottappalam	Palakkad	Drought
				Moderate
411	Nellaya	Ottappalam	Palakkad	Drought
				Moderate
412	Thiruvegapura	Ottappalam	Palakkad	Drought
				Moderate
413	Pudusseri East	Palakkad	Palakkad	Drought
				Moderate
414	Akathethara	Palakkad	Palakkad	Drought
				Moderate
415	Mundur-I	Palakkad	Palakkad	Drought
				Moderate
416	Parudur	Ottappalam	Palakkad	Drought
				Moderate
417	Keralasseri	Palakkad	Palakkad	Drought
				Moderate
418	Pattambi	Ottappalam	Palakkad	Drought
419	Anakkara	Ottappalam	Palakkad	Moderate
117	mannara	Ottapparam	1 diamad	moucraic

				Drought
420	Muthuthala	Ottoppolom	Palakkad	Moderate
420	Mulliulliala	Ottappalam	Falakkau	Drought
421	Puduppariyaram-II	Palakkad	Palakkad	Moderate
741	i uduppanyaram-n	i alakkau	1 alakkau	Drought
422	Mankara	Palakkad	Palakkad	Moderate
744	Walikara	1 alakkau	Talakkau	Drought
423	Pudusseri Centeral	Palakkad	Palakkad	Moderate
120	r ddusserr Cerrerar	Talakkad	Talakkaa	Drought
424	Malampuzha-II	Palakkad	Palakkad	Moderate
1241	Walampazna n	Talannaa	Talannaa	Drought
425	Parli-I	Palakkad	Palakkad	Moderate
120	T GIII I	1 didilidd	Talamaa	Drought
426	Pattitara	Ottappalam	Palakkad	Moderate
	1 4001041 4	- Compparazz	1 0.101110.03	Drought
427	Ottappalam-I	Ottappalam	Palakkad	Moderate
	ottapparam 1	- Cttapparam	- Cidiliaa	Drought
428	Parli-II	Palakkad	Palakkad	Moderate
.20	1 (411) 11	- Carallian	- Cidiliaa	Drought
429	Shornur-II	Ottappalam	Palakkad	Moderate
		- Cttapparam	- Cidiliaa	Drought
430	Pudusseri West	Palakkad	Palakkad	Moderate
	radassir west	- Carallian	- Clarina	Drought
431	Ozhalapathy	Chittur	Palakkad	Moderate
101	Oznaiapatny	Cilittai	1 didiliad	Drought
432	Vadakarapathy	Chittur	Palakkad	Moderate
	radarapatriy		- Cidiliaa	Drought
433	Ongallur-II	Ottappalam	Palakkad	Moderate
	8			Drought
434	Trittala	Ottappalam	Palakkad	Moderate
	11100010	o touppututt	1 0.101110.03	Drought
435	Palakkad-II	Palakkad	Palakkad	Moderate
				Drought
436	Pirayiri	Palakkad	Palakkad	Moderate
	9			Drought
437	Ottappalam-II	Ottappalam	Palakkad	Moderate
	11			Drought
438	Palakkad-I	Palakkad	Palakkad	Moderate
				Drought
439	Kottayi-I	Alathur	Palakkad	Moderate
	3			Drought
440	Shornur-I	Ottappalam	Palakkad	Moderate
				Drought
441	Vaniyamkulam-II	Ottappalam	Palakkad	Moderate
	<u> </u>			Drought
442	Elappully-III	Palakkad	Palakkad	Moderate
	11 5			Drought
443	Thirumittakod-I	Ottappalam	Palakkad	Moderate
111	D-1-1-1 1 III		De1-1-1-1	Drought
444	Palakkad-III	Palakkad	Palakkad	Moderate

				Drought
445	Mathur-II	Alathur	Palakkad	Moderate
443	Mathur-II	Alathur	Palakkad	Drought
446	Lakkidiperur-II	Ottappalam	Palakkad	Moderate
TTU	Lakkidiperdi-II	Ottapparam	1 alakkau	Drought
447	Kottayi-II	Alathur	Palakkad	Moderate
777	Kottayi-ii	Alatiful	raiakkau	Drought
448	Eruthempathy	Chittur	Palakkad	Moderate
770	Erumempaniy	Cilittui	raiakkau	Drought
449	Peringottukurussi-I	Alathur	Palakkad	Moderate
779	i eilligottukui ussi-i	Alatiful	I alakkau	Drought
450	Vaghiniamnara	Chittur	Palakkad	Moderate
430	Kozhinjampara	Cilitiui	Falakkau	Drought
451	Domin cottuitumassi II	Alathur	Palakkad	Moderate
451	Peringottukurussi-II	Alathur	Palakkad	Drought
450	V-1-1	D-1-1-1 4	D-1-1-1 4	Moderate
452	Yakkara	Palakkad	Palakkad	Drought
450	17 1' 1	D 1 11 1	D 1 11 1	Moderate
453	Kannadi-I	Palakkad	Palakkad	Drought
454	1	D 1 11 1	D 1 11 1	Moderate
454	Kannadi-II	Palakkad	Palakkad	Drought
			- 4 4 4	Moderate
455	Kozhipathy	Chittur	Palakkad	Drought
				Moderate
456	Tarur-I	Alathur	Palakkad	Drought
				Moderate
457	Tarur-II	Alathur	Palakkad	Drought
				Moderate
458	Erimayur-I	Alathur	Palakkad	Drought
				Moderate
459	Kavasseri-I	Alathur	Palakkad	Drought
				Moderate
460	Moolatharu	Chittur	Palakkad	Drought
				Moderate
461	Alathur	Alathur	Palakkad	Drought
				Moderate
462	Kavasseri-II	Alathur	Palakkad	Drought
				Moderate
463	Erimayur-II	Alathur	Palakkad	Drought
				Moderate
464	Pudukkode	Alathur	Palakkad	Drought
				Moderate
465	Vadavannur	Chittur	Palakkad	Drought
				Moderate
466	Pallassana	Chittur	Palakkad	Drought
				Moderate
467	Kannambra-II	Alathur	Palakkad	
				Drought Moderate
468	Muthalamada-II	Chittur	Palakkad	
469	Vodalstromaham	Alathur	Palakkad	Drought
409	Vedakkamchery-II	Alatilui	raiakkau	Moderate

				Drought
				Drought Moderate
470	Kollangode-I	Chittur	Palakkad	Drought
				Moderate
471	Melarkode	Alathur	Palakkad	Drought
				Moderate
472	Elavanchery	Chittur	Palakkad	Drought
				Moderate
473	Kollangode-II	Chittur	Palakkad	Drought
				Moderate
474	Vadakkamchery-I	Alathur	Palakkad	Drought
				Moderate
475	Vallangi	Chittur	Palakkad	Drought
				Moderate
476	Vandazhi-II	Alathur	Palakkad	Drought
				Moderate
477	Nemmara	Chittur	Palakkad	Drought
				Moderate
478	Kizhakkanchery-II	Alathur	Palakkad	Drought
				Moderate
479	Kizhakkanchery-I	Alathur	Palakkad	Drought
				Moderate
480	Vandazhi-I	Alathur	Palakkad	Drought
				Moderate
481	Mangolam Dam	Alathur	Palakkad	Drought
				Severe
482	Pariyaram	Mukundapuram	Thrissur	Drought
				Moderate
483	Pallur	Thalappally	Thrissur	Drought
				Moderate
484	Mayannur	Thalappally	Thrissur	Drought
				Moderate
485	Desamangalom	Thalappally	Thrissur	Drought
				Moderate
486	Cheruthurathy	Thalappally	Thrissur	Drought
				Moderate
487	Pinkulam	Thalappally	Thrissur	Drought
				Moderate
488	Pampady	Thalappally	Thrissur	Drought
				Moderate
489	Kaniyarakode	Thalappally	Thrissur	Drought
	_			Moderate
490	Nedumpura	Thalappally	Thrissur	Drought
				Moderate
491	Venganellur	Thalappally	Thrissur	Drought
				Moderate
492	Kondazhy	Thalappally	Thrissur	Drought
	mt t tt	mu 4 44		Moderate
493	Thiruvilwamala	Thalappally	Thrissur	Drought
494	Killimangalam	Thalappally	Thrissur	Moderate

				Drought
495	Vodongodu	Theleppelly	Thrissur	Moderate
493	Kadangodu	Thalappally	IIIIIssui	Drought
496	Vadakkethara	Thalappally	Thrissur	Moderate
T 9 0	vauakkeiliata	Thatappany	Tillissui	Drought
497	Nelluwaye	Thalappally	Thrissur	Moderate
T)1	Nenawaye	Thatappany	TITISSUI	Drought
498	Kattakampala	Thalappally	Thrissur	Moderate
770	Nattakampaia	Thatappany	TITISSUI	Drought
499	Kariyannur	Thalappally	Thrissur	Moderate
100	- Harry arming	Thatappany	111110001	Drought
500	Kadikkad	Chavakkad	Thrissur	Moderate
	Hadiiiidd	Onavannaa	TITIOOGI	Drought
501	Punnayurkulam	Chavakkad	Thrissur	Moderate
	- 0ay 0	011011011110101	1111100011	Drought
502	Pazhayanur	Thalappally	Thrissur	Moderate
		Thatappany	111110001	Drought
503	Thayyur	Thalappally	Thrissur	Moderate
	111aj y a1	Thatappany	111110001	Drought
504	Vellattanjur	Thalappally	Thrissur	Moderate
	- Tonaccarjui	Thatappany	111110001	Drought
505	Eyyal	Thalappally	Thrissur	Moderate
	25542	Thatappany	111110001	Drought
506	Punnayar	Chavakkad	Thrissur	Moderate
	- amayar	Olia (allilaa	111110001	Drought
507	Manalithara	Thalappally	Thrissur	Moderate
		<i>y</i> p <i>y</i>		Drought
508	Chairanellur	Thalappally	Thrissur	Moderate
		- Tr- J		Drought
509	Edakkazhiyur	Chavakkad	Thrissur	Moderate
	<u> </u>			Drought
510	Choondal	Thalappally	Thrissur	Moderate
		11 3		Drought
511	Eranellur	Thalappally	Thrissur	Moderate
		11 3		Drought
512	Peragam	Chavakkad	Thrissur	Moderate
				Drought
513	Anjur	Thrissur	Thrissur	Moderate
	<u> </u>			Drought
514	Pananchery	Thrissur	Thrissur	Moderate
	<u> </u>			Drought
515	Alur	Thalappally	Thrissur	Moderate
				Drought
516	Manathala	Chavakkad	Thrissur	Moderate
				Drought
517	Guruvayur	Chavakkad	Thrissur	Moderate
				Drought
518	Madakkathara	Thrissur	Thrissur	Moderate
F10	Domomo :1	Themissess	Their	Drought
519	Peramangalam	Thrissur	Thrissur	Moderate

				Drought
520	Edakkalathur	Thrissur	Thrissur	Moderate
320	Euakkalatilui	TIIIISSUI	TIIIISSUI	Drought
521	Charakked	Chavakkad	Thrissur	Moderate
521	Charakkeu	Chavakkau	TITIOSUI	Drought
522	Elavally	Chavakkad	Thrissur	Moderate
022	Biavaily	Chavannaa	TITIOOGI	Drought
523	Drumanayar	Chavakkad	Thrissur	Moderate
020	Bramanayar	Onavannaa	TITIOOGI	Drought
524	Tholur	Thrissur	Thrissur	Moderate
02.	1110101	111110001	111110001	Drought
525	Peechi	Thrissur	Thrissur	Moderate
020	1 000111	111110001	111110001	Drought
526	Annakara	Chavakkad	Thrissur	Moderate
0_0	1 111141141	01141411144	111110001	Drought
527	Pavaratty	Chavakkad	Thrissur	Moderate
02.			111110001	Drought
528	Kadappuram	Chavakkad	Thrissur	Moderate
020	падарраган	Onavamaa .	111110001	Drought
529	Chittilappilly	Thrissur	Thrissur	Moderate
023			111110001	Drought
530	Puzhakkal	Thrissur	Thrissur	Moderate
000	1 deliama	111110001	111110001	Drought
531	Chalakkal	Thrissur	Thrissur	Moderate
001			TITIOOGI	Drought
532	Vammenad	Chavakkad	Thrissur	Moderate
	- Tammonaa		111110001	Drought
533	Puranattukara	Thrissur	Thrissur	Moderate
			111110001	Drought
534	Vellanikkara	Thrissur	Thrissur	Moderate
		111110001	111110001	Drought
535	Adat	Thrissur	Thrissur	Moderate
	1 20201	111110001	111110001	Drought
536	Mullassery	Chavakkad	Thrissur	Moderate
		01141411144	111110001	Drought
537	Ayyantole	Thrissur	Thrissur	Moderate
	55			Drought
538	Ollukkara	Thrissur	Thrissur	Moderate
				Drought
539	Kundaliyur	Chavakkad	Thrissur	Moderate
	J 			Drought
540	Mulayam	Thrissur	Thrissur	Moderate
	<u></u>			Drought
541	Thrissur	Thrissur	Thrissur	Moderate
				Drought
542	Engandiyur	Chavakkad	Thrissur	Moderate
	<i>J J</i>			Drought
543	Venkidanga	Chavakkad	Thrissur	Moderate
	G			Drought
544	Pullazhi	Thrissur	Thrissur	Moderate

				Drought
545	Kozhikkully	Thrissur	Thrissur	Moderate
343	KOZIIIKKUIIY	TIIIISSUI	Tili issui	Drought
546	Orimbranallur	Chavakkad	Thrissur	Moderate
340	Offinbrananui	Chavakkau	1111135U1	Drought
547	Aranattukara	Thrissur	Thrissur	Moderate
017	manattakara	TITIOSAT	Tillissui	Drought
548	Nadathara	Thrissur	Thrissur	Moderate
0.10	radatilata	TITIOOGI	IIIIIooui	Drought
549	Chiyyaram	Thrissur	Thrissur	Moderate
0.15		111110001		Drought
550	Kainoor	Thrissur	Thrissur	Moderate
		111110001		Drought
551	Parakkad	Thrissur	Thrissur	Moderate
	1 41 411144	11110001		Drought
552	Koorkkanchery	Thrissur	Thrissur	Moderate
		111110001		Drought
553	Eravu	Thrissur	Thrissur	Moderate
	214.4	TITIOOGI	111110001	Drought
554	Karamuck	Thrissur	Thrissur	Moderate
001		111110001		Drought
555	Manalur	Thrissur	Thrissur	Moderate
000		111110001		Drought
556	Vadanappilly	Chavakkad	Thrissur	Moderate
000	- addinapping	Onavaniaa		Drought
557	Manakkodi	Thrissur	Thrissur	Moderate
				Drought
558	Kanimangalam	Thrissur	Thrissur	Moderate
	8			Drought
559	Puttur	Thrissur	Thrissur	Moderate
				Drought
560	Veluthur	Thrissur	Thrissur	Moderate
				Drought
561	Marattakkara	Thrissur	Thrissur	Moderate
				Drought
562	Kodannur	Thrissur	Thrissur	Moderate
				Drought
563	Palissery	Thrissur	Thrissur	Moderate
				Drought
564	Venginissery	Thrissur	Thrissur	Moderate
				Drought
565	Trikkur	Mukundapuram	Thrissur	Moderate
		-		Drought
566	Kallur	Mukundapuram	Thrissur	Moderate
		•		Drought
567	Anthicad	Thrissur	Thrissur	Moderate
				Drought
568	Pallu	Thrissur	Thrissur	Moderate
F60	Do di	Theire	Theris	Drought
569	Padiyam	Thrissur	Thrissur	Moderate

				Drought
				Moderate
570	Chovvur	Thrissur	Thrissur	Drought
				Moderate
571	Talikkulam	Chavakkad	Thrissur	Drought
				Moderate
572	Paralom	Thrissur	Thrissur	Drought
				Moderate
573	Pallippuram	Thrissur	Thrissur	
				Drought Moderate
574	Nammenikkara	Mukundapuram	Thrissur	
		_		Drought Moderate
575	Vallachira	Thrissur	Thrissur	
				Drought
576	Chazhoor	Thrissur	Thrissur	Moderate
				Drought
577	Alappad	Thrissur	Thrissur	Moderate
				Drought
578	Amballur	Mukundapuram	Thrissur	Moderate
		1		Drought
579	Vadakkummuri	Thrissur	Thrissur	Moderate
0.5		111110001		Drought
580	Nattika	Chavakkad	Thrissur	Moderate
		Onavannaa	111110001	Drought
581	Cherpu	Thrissur	Thrissur	Moderate
001	Cherpa	111110001	111110001	Drought
582	Varandarapilly	Mukundapuram	Thrissur	Moderate
002	vararidarapiny	Makanaaparam	111110001	Drought
583	Oorakam	Thrissur	Thrissur	Moderate
000	Ooranam	TITIOOGI	TITIOGUI	Drought
584	Kurunpilavu	Thrissur	Thrissur	Moderate
304	Karanphava	TITISSUI	111113541	Drought
585	Inchamudi	Thrissur	Thrissur	Moderate
303	menamuu	Tillissui	Tilitooui	Drought
586	Arattupuzha	Thrissur	Thrissur	Moderate
300	Tirattupuzna	Tillissui	Tilitooui	Drought
587	Thorava	Mukundapuram	Thrissur	Moderate
367	Horava	Mukundapuram	Hillssul	Drought
588	Thottipped	Mulaundonurom	Thrissur	Moderate
300	Thottippad	Mukundapuram	Hillssul	Drought
589	Tomirrom	Thrissur	Thrissur	Moderate
369	Tanniyam	IIIIIssui	HHISSUI	Drought
590	Munniliyam	Mulaundonumom	Thrissur	Moderate
390	Muppiliyom	Mukundapuram	HHISSUI	Drought
EO 1	Cla 11	Man1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	The sales are a	Moderate
591	Chengallur	Mukundapuram	Thrissur	Drought
F00	Da wa www-1	M11	T1	Moderate
592	Parappukara	Mukundapuram	Thrissur	Drought
F02	TZ 1	M11	/TV1!	Moderate
593	Karalam	Mukundapuram	Thrissur	Drought
594	Kizhuppillikkara	Thrissur	Thrissur	Moderate
	<u> </u>			1

				Drought
595	Porathisheri	Mulaindonirom	Thrissur	Moderate
393	Poraumsnen	Mukundapuram	Hillssul	Drought
596	Valappad	Chavakkad	Thrissur	Moderate
390	Valappau	Cilavakkau	TIIIIooui	Drought
597	Nandipulom	Mukundapuram	Thrissur	Moderate
351	ivandipulom	Mukundapuram	111113541	Drought
598	Kattur	Mukundapuram	Thrissur	Moderate
070	Rattai	Makanaaparam	111113541	Drought
599	Edathiruthy	Kodungathur	Thrissur	Moderate
000	Eddilli dilly	nodungaman	111110001	Drought
600	Mattathur	Mukundapuram	Thrissur	Moderate
000	Wattatiiqi	Makanaaparam	111110001	Drought
601	Nellai	Mukundapuram	Thrissur	Moderate
	1101101	- Indianaparam	111110001	Drought
602	Madayikkonam	Mukundapuram	Thrissur	Moderate
002	Wadayikkonam	makanaaparam	111110001	Drought
603	Anandapuram	Mukundapuram	Thrissur	Moderate
000	manaparam	Makanaaparam	111110001	Drought
604	Manavalassery	Mukundapuram	Thrissur	Moderate
001	Wanavalassery	makanaaparam	111110001	Drought
605	Muriyad	Mukundapuram	Thrissur	Moderate
000	Wariyaa	makanaaparam	111110001	Drought
606	Irinjalakuda	Mukundapuram	Thrissur	Moderate
000	IIIIjalaikaa	makanaaparam	111110001	Drought
607	Chendrapinni	Kodungathur	Thrissur	Moderate
	Onenarapiiiii	- III a a II ga a II a I	111110001	Drought
608	Pullur	Mukundapuram	Thrissur	Moderate
	1 dirai	- Indianaparam	111110001	Drought
609	Edathiringi	Mukundapuram	Thrissur	Moderate
003	Baatiiiiigi	- Wananaaparam		Drought
610	Kaipamangalom	Kodungathur	Thrissur	Moderate
010	naipamangarom	nodangaman		Drought
611	Aloor	Mukundapuram	Thrissur	Moderate
	111001	- Transarap aram	111110001	Drought
612	Elinjipra	Mukundapuram	Thrissur	Moderate
	Ziiijipia	- Transara param	111110001	Drought
613	Poomangalom	Mukundapuram	Thrissur	Moderate
	- 00a8a0			Drought
614	Kizhake Chalakudi	Mukundapuram	Thrissur	Moderate
<u> </u>	mara orașardar	- Transarap aram	111110001	Drought
615	Padiyoor	Mukundapuram	Thrissur	Moderate
010	2 0.023 002		1111100011	Drought
616	Perinjanam	Kodungathur	Thrissur	Moderate
				Drought
617	Vadakkumkara	Mukundapuram	Thrissur	Moderate
				Drought
618	Melur	Mukundapuram	Thrissur	Moderate
				Drought
619	Padinjara Chalakudi	Mukundapuram	Thrissur	Moderate

				Drought
620	Donnimiyottom	nimiyattan Kadungathur	Thrissur	Moderate
020	Pappimivattom	Kodungathur	Hillssul	Drought
621	Annallur	Mukundapuram	Thrissur	Moderate
021	Amianui	Mukundapuram	TIIIISSUI	Drought
622	Thekkumkara	Mukundapuram	Thrissur	Moderate
022	THERRUMKATA	Mukundapuram	111113541	Drought
623	Puthenchira	Mukundapuram	Thrissur	Moderate
020	i dinenenna	Makanaparam	TITISSUI	Drought
624	Vallivattom	Mukundapuram	Thrissur	Moderate
021		wakanaaparam	111113541	Drought
625	Muringoor	Mukundapuram	Thrissur	Moderate
020	Vadakkummuri	Makanaaparam	111113541	Drought
626	Vadakkumbhagam	Mukundapuram	Thrissur	Moderate
020		wakanaaparam	111113541	Drought
627	Kallur	Mukundapuram	Thrissur	Moderate
021	Vadakkummuri	wakanaaparam	111113541	Drought
628	Panangad	Kodungathur	Thrissur	Moderate
020	i alialigau	Rodungathur	TITISSUI	Drought
629	Karumathra	Mukundapuram	Thrissur	Moderate
027	Karumatina	Makanaparam	TITISSUI	Drought
630	Vadama	Mukundapuram	Thrissur	Moderate
000	vadama	Makanaparam	TITISSUI	Drought
631	Ala	Kodungathur	Thrissur	Moderate
001	ma	Rodungathur	111113541	Drought
632	Pullut	Kodungathur	Thrissur	Moderate
002	Tunut	Rodungathur	TITISSUI	Drought
633	Kallurthekkummuri	Mukundapuram	Thrissur	Moderate
000	Kanarthekkamman	wakanaaparam	111113541	Drought
634	Alathur	Mukundapuram	Thrissur	Moderate
001	matim	makanaaparam	111110001	Drought
635	Lokamaleswaram	Kodungathur	Thrissur	Moderate
000	Donamarcowaram	nodangaman	111110001	Drought
636	Pallippuram	Kodungathur	Thrissur	Moderate
000	rampparam	nodangaman	111110001	Drought
637	Eriyad	Kodungathur	Thrissur	Moderate
007	Erryaa	nodungaman	111110001	Drought
638	Poyya	Kodungathur	Thrissur	Moderate
	10,94	nodangaman	111110001	Drought
639	Kakkulisserry	Mukundapuram	Thrissur	Moderate
	Hamanoseny	- Mananaaparam	111110001	Drought
640	Methana	Kodungathur	Thrissur	Moderate
	2.2002200			Drought
641	Madathumpady	Kodungathur	Thrissur	Moderate
				Drought
642	Azhikode	Kodungathur	Thrissur	Moderate
				Drought
643	Thirumukkalam	Mukundapuram	Thrissur	Moderate
				Drought
644	Panjal	Thalappally	Thrissur	Drought

645	Attur	Thalappally	Thrissur	Drought
646	Kanjirakkode	Thalappally	Thrissur	Drought
647	Kottapurom	Thalappally	Thrissur	Drought
648	Chittanda	Thalappally	Thrissur	Drought
649	Kumaranattur	Thalappally	Thrissur	Drought
650	Enkakkad	Thalappally	Thrissur	Drought
651	Wadakkanchery	Thalappally	Thrissur	Drought
652	Cheranalloor	Vonovonnum	Ernakulam	Severe
032	Cherananon	Kanayannur	Elliakulalli	Drought
653	Edapally North	Kanayannur	Ernakulam	Severe
000	Edapany North	Kanayannui	Dillakulalli	Drought
654	Mulavucad	Kanayannur	Ernakulam	Severe
034	Iviulav ucau	Kanayannui	Elliakulalli	Drought
655	Eduppally South	Kanayannur	Ernakulam	Severe
033	Eduppany South	Kanayannui	Dillakulalli	Drought
656	Ernakulom	Kanayannur	Ernakulam	Severe
030	Dillakulolli	Kanayannui	Dillakulalli	Drought
657	Elankulom	Kanayannur	Ernakulam	Severe
037	Elalikulolli	Kanayannui	Elliakulalli	Drought
658	Poonithura	Kanayannur	Ernakulam	Severe
030	Toommaa	Kanayannui	Dillakulalli	Drought
659	Nadamel	Kanayannur	Ernakulam	Severe
009	Ivadamer	Kanayannu	Dillakulalli	Drought
660	Kalloorkad	Muvattupuzha	Ernakulam	Severe
000	Ranoorkau	Wavattupuzna	Dillakulalli	Drought
661	Fortkochi	Kochi	Ernakulam	Severe
001	1 of thoch	Rocin	Dillakalalli	Drought
662	Mattancherry	Kochi	Ernakulam	Severe
		120022		Drought
663	Manjalloor	Muvattupuzha	Ernakulam	Severe
				Drought
664	Thoppumpady	Kochi	Ernakulam	Severe
	FFF			Drought
665	Maradu	Kanayannur	Ernakulam	Severe
		3		Drought
666	Ramaswaram	Kochi	Ernakulam	Severe
				Drought
667	Edakochi	Kochi	Ernakulam	Severe
				Drought
668	Ayyampuzha	Aluva	Ernakulam	Moderate
				Drought
669	Karukatly	Aluva	Ernakulam	Moderate
				Drought Moderate
670	Kuttunpuzha	Kothimangalam	Ernakulam	
				Drought Moderate
671	Parakkadavu	Aluva	Ernakulam	Drought
				Moderate
672	Angamali	Aluva	Ernakulam	Drought
673	Malayatur	Aluva	Ernakulam	Moderate
073	maiayatui	Muva	Dinakulani	Moderate

				Drought
674	Puthesvelikara	Paravur	Ernakulam	Moderate
074	Fulliesvelikara	Faravur	Elliakulalli	Drought
675	Mattoor	Aluva	Ernakulam	Moderate
073	Wattoor	Muva	Elliakulalli	Drought
676	Kalady	Aluva	Ernakulam	Moderate
070	Malady	Muva	Dillakulalli	Drought
677	Chennamalgalom	Paravur	Ernakulam	Moderate
011	Chemiamaigaiom	Taravar	Dillakulalli	Drought
678	Kombarad	Kunnathunael	Ernakulam	Moderate
070	Hombaraa		Dillaralani	Drought
679	Kodanad	Kunnathunael	Ernakulam	Moderate
013	Rodaliad	Ramamamaci	Dillaralani	Drought
680	Moothakunnam	Paravur	Ernakulam	Moderate
	17100 triarrarrarra	1 414 (41	Dillallalla	Drought
681	Nodumpasseri	Aluva	Ernakulam	Moderate
	roadiipasseri	111010	Dillallalla	Drought
682	Kuzhupilly	Kochi	Ernakulam	Moderate
	11d211dpilly	1100111	Dillallalla	Drought
683	Koovappady	Kunnathunael	Ernakulam	Moderate
	noovappaay	Hamathanaci	Dillandiani	Drought
684	Kannukara	Paravur	Ernakulam	Moderate
	Halliala	1 di di di	Dillallalla	Drought
685	Vadekkekara	Paravur	Ernakulam	Moderate
	Vadominiara	1 di di di	Dillallalla	Drought
686	Paravur	Paravur	Ernakulam	Moderate
				Drought
687	Chelamattam	Kunnathunael	Ernakulam	Moderate
				Drought
688	Pallipuram	Kochi	Ernakulam	Moderate
	1			Drought
689	Vadakkumbhagom	Aluva	Ernakulam	Moderate
				Drought
690	Karumattur	Paravur	Ernakulam	Moderate
				Drought
691	Pindimana	Kothimangalam	Ernakulam	Moderate
		U		Drought
692	Chengamanad	Aluva	Ernakulam	Moderate
	3			Drought
693	Chowwara	Aluva	Ernakulam	Moderate
				Drought
694	Aluva East	Aluva	Ernakulam	Moderate
				Drought
695	Kizhakkumbhagom	Aluva	Ernakulam	Moderate
-				Drought
696	Kottuvally	Paravur	Ernakulam	Moderate
	-			Drought
697	Kurempara	Kothimangalam	Ernakulam	Moderate
698	_	Aluva	Ernakulam	Drought Moderate
090	Thekkumbhagom	Aiuva	Ernakulalii	Moderate

				Drought
699	Mongod	Donornin	Ernakulam	Moderate
099	Alengad	Paravur	Emakulam	Drought
700	Kuzhupilly	Kochi	Ernakulam	Moderate
700	Kuziiupiiiy	KOCIII	Dillakulalli	Drought
701	Aluva West	Aluva	Ernakulam	Moderate
701	muva west	Muva	Dillakulalli	Drought
702	Marampilly	Kunnathunael	Ernakulam	Moderate
102	- Warampiny	Rumamanan	Dillakulalli	Drought
703	Ezhikara	Paravur	Ernakulam	Moderate
700	13211111414	Taravar	Dillandiani	Drought
704	Kadungallor	Paravur	Ernakulam	Moderate
701		Taravar	Dillandiani	Drought
705	Edavanakad	Kochi	Ernakulam	Moderate
	Baararara	1100111		Drought
706	Neriyamangalam	Kothimangalam	Ernakulam	Moderate
700	- Treifyamangalam	Hotimiangalam	Billandiani	Drought
707	Kothamangalam	Kothimangalam	Ernakulam	Moderate
707	nothamangaiam	nonmangalam	Dillandiani	Drought
708	Varapuzha	Paravur	Ernakulam	Moderate
700	Varapazna	Taravar	Dillandiani	Drought
709	Eloor	Paravur	Ernakulam	Moderate
105	Elooi	Taravar	Dillardiani	Drought
710	Nayarambalam	Kochi	Ernakulam	Moderate
710	rayarambalam	Hoem	Dillandiani	Drought
711	Thikkakkara North	Kanayannur	Ernakulam	Moderate
, 11		Hanayamia	Dillandiani	Drought
712	Kadamakudy	Kanayannur	Ernakulam	Moderate
	Hadamaraay	Tanay anna		Drought
713	Narakkal	Kochi	Ernakulam	Moderate
710	- Traitaniai	1100111	Billandiani	Drought
714	Varapetty	Kothimangalam	Ernakulam	Moderate
	· at ap o to	220 022220022		Drought
715	Vazhakkala	Kanayannur	Ernakulam	Moderate
. 10				Drought
716	Elankunnapusha	Kochi	Ernakulam	Moderate
				Drought
717	Kakkanad	Kanayannur	Ernakulam	Moderate
				Drought
718	Kadavoor	Kothimangalam	Ernakulam	Moderate
				Drought
719	Aikaramad NOrth	Kunnathunael	Ernakulam	Moderate
				Drought
720	Enalallur	Muvattupuzha	Ernakulam	Moderate
		1		Drought
721	Velloorkunnam	Muvattupuzha	Ernakulam	Moderate
		*		Drought
722	Puthiocruz	Kunnathunael	Ernakulam	Moderate
700	77-1-1	N/1	D 1 1	Drought
723	Valakom	Muvattupuzha	Ernakulam	Moderate

				Drought
724	Drythyyrria	Kochi	Ernakulam	Moderate
124	Puthuvyip	KOCIII	Effiakulalli	Drought
725	Muvattupazha	Muvattupuzha	Ernakulam	Moderate
125	Muvattupazna	Muvattupuzna	Elliakulalli	Drought
726	Thiruvenkulom	Kanayannur	Ernakulam	Moderate
120	Timuvciikuloiii	Kanayannu	Dillakulalli	Drought
727	Aikaranad SOuth	Kunnathunael	Ernakulam	Moderate
121	maranaa boutii	Raimamanaci	Dillakulalli	Drought
728	Marady	Muvattupuzha	Ernakulam	Moderate
720	Marady	- Wavattapazna	Dillaralani	Drought
729	Menuri	Muvattupuzha	Ernakulam	Moderate
123	Wichair	Mavattapazna	Dillakulalli	Drought
730	Thiruvaniyoor	Kunnathunael	Ernakulam	Moderate
700	Tim avamyoor	Ramamanaci	Dillakulalli	Drought
731	Arakuzha	Muvattupuzha	Ernakulam	Moderate
701	Tirakuzira	Mavattapazna	Dillakulalli	Drought
732	Ramamangalam	Muvattupuzha	Ernakulam	Moderate
102	Ramamangalam	Muvattupuzna	Dillakulalli	Drought
733	Maneed	Muvattupuzha	Ernakulam	Moderate
733	Wanccu	Muvattupuzna	Dillakulalli	Drought
734	Thekkunobhagom	Kanayannur	Ernakulam	Moderate
754	Titckkulloollagoill	Kanayannu	Dillakulalli	Drought
735	Kureekad	Kanayannur	Ernakulam	Moderate
733	Ruicckau	Kanayannu	Dillakulalli	Drought
736	Pallurudhy	Kochi	Ernakulam	Moderate
700	Tallar daily		Dillakalalli	Drought
737	Manakunnam	Kanayannur	Ernakulam	Moderate
101	Manakumam	Kanayannu	Dillakulalli	Drought
738	Kumbalam	Kanayannur	Ernakulam	Moderate
730	Kumbalam	Kanayannu	Dillakulalli	Drought
739	Mulanthuruthy	Kanayannur	Ernakulam	Moderate
705	Mulantinaratily	- Kanayannui	Dillakulalli	Drought
740	Piravam	Muvattupuzha	Ernakulam	Moderate
740	Tiravaiii	Muvattupuzna	Elliakulalli	Drought
741	Kumbalanghy	Kochi	Ernakulam	Moderate
771	Kumbalangny	Kociii	Elliakulalli	Drought
742	Amballur	Kanayannur	Ernakulam	Moderate
174	mindanui	Kanayannu	Dillakulalli	Drought
743	Keecherry	Kanayannur	Ernakulam	Moderate
743	Receilerry	Kanayannui	Elliakulalli	Drought
744	Challanam	Kochi	Ernakulam	Moderate
7 4 4	Chananam	Kociii	Elliakulalli	Drought
745 k	Cokkodhomongolom	Cherthala	Δίορισλο	Severe
143 r	Kokkodhamangalam		Alapuzha	Drought
746	Cherdhala North	Cherthala	Alanuaha	Severe
7 +0	Chefuliala Nolul		Alapuzha	Drought
	Thanneermukkom	Cherthala	Alapuzha	Severe
747				
747 748	South Kalavoor	Ambalapuzha	Mapuzna	Drought Severe

				Drought
749	Mannanchery	Ambalapuzha	Alapuzha	Severe
717	Waimanchery	Timbalapazila	mapazna	Drought
750	Komalapuram	Ambalapuzha	Alapuzha	Severe
				Drought
751	Kailakary North	Kuttanad	Alapuzha	Severe
				Drought
752	Kavalam	Kuttanad	Alapuzha	Severe
			_	Drought Severe
753	Aryad South	Ambalapuzha	Alapuzha	Drought
				Severe
754	Mullackal	Ambalapuzha	Alapuzha	Drought
				Severe
755	Pulimkunnu	Kuttanad	Alapuzha	Drought
				Severe
756	Kunnamma	Kuttanad	Alapuzha	Drought
	DT 1	77 1	A1 1	Severe
757	Neelamperoor	Kuttanad	Alapuzha	Drought
750	A11 TT74	A 1 1 1	A 1 1	Severe
758	Alappuzha West	Ambalapuzha	Alapuzha	Drought
759	Kainakarg South	Kuttanad	Alapuzha	Severe
139	Kamakarg South	Kuttanau	Mapuziia	Drought
760	Pazhaveedu	Ambalapuzha	Alapuzha	Severe
700	1 aznavecuu	Timbalapuzna	Mapuzna	Drought
761	Paravoor	Ambalapuzha	Alapuzha	Severe
. 0 2		i iii oatap aaria	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Drought
762	Veliyanad	Kuttanad	Alapuzha	Severe
	<u> </u>		1	Drought
763	Nedumudi	Kuttanad	Alapuzha	Severe
			-	Drought Severe
764	Chanbakulom	Kuttanad	Alapuzha	
				Drought Severe
765	Punnapra	Ambalapuzha	Alapuzha	Drought
				Severe
766	Ramankary	Kuttanad	Alapuzha	Drought
				Severe
767	Karumadi	Ambalapuzha	Alapuzha	Drought
7.50				Severe
768	Muttar	Kuttanad	Alapuzha	Drought
760	T2.4.2.4.1	1744	A 1 1	Severe
769	Edathuva	Kuttanad	Alapuzha	Drought
770	Ambalanuaha	Ambolonyzho	Aloniigho	Severe
110	Ambalapuzha	Ambalapuzha	Alapuzha	Drought
771	ThaKAZHA	Kuttanad	Alapuzha	Severe
111	I HOLY WITH	ixattanau	париліа	Drought
772	Thalavadi	Kuttanad	Alapuzha	Severe
			_	Drought
773	Purakkad	Ambalapuzha	Alapuzha	Severe

				Drought
774	Thiruvanvandoor	or Chengannur	Alapuzha	Severe
,,,	Timuvanvandoor	Chengamiai	mapazna	Drought
775	Charuthana	Karthikapally	Alapuzha	Severe
			1100000000	Drought
776	Karuvatta	Karthikapally	Alapuzha	Severe
		1 3	1	Drought
777	Chengannur	Chengannur	Alapuzha	Severe
			-	Drought Severe
778	Pundanad	Chengannur	Alapuzha	Drought
				Severe
779	Veeyapuram	Karthikapally	Alapuzha	Drought
				Severe
780	Kurattissary	Chengannur	Alapuzha	Drought
				Severe
781	Ennakkad	Chengannur	Alapuzha	Drought
		~4		Severe
782	Mannar	Chengannur	Alapuzha	Drought
700	N.C. 1 1 1	01	A.1 1	Severe
783	Mulakuzha	Chengannur	Alapuzha	Drought
784	Dryling	Changannin	Alomando	Severe
704	Puliyoor	Chengannur	Alapuzha	Drought
785	Haripad	Karthikapally	Alapuzha	Severe
700	Haripau	Kartinkapany	Mapuzna	Drought
786	Kumarapuram	Karthikapally	Alapuzha	Severe
700		nartimapany	парадна	Drought
787	Thrikunnapuzha	Karthikapally	Alapuzha	Severe
			<u>-</u>	Drought
788	Tripperunthura	Mavelikara	Alapuzha	Severe
	11		1	Drought
789	Pallippad	Karthikapally	Alapuzha	Severe
			-	Drought
790	Chennithala	Mavelikara	Alapuzha	Severe Drought
				Severe
791	Cheriyanad	Chengannur	Alapuzha	Drought
				Severe
792	Karthigappally	Karthikapally	Alapuzha	Drought
		~4		Severe
793	Venmony	Chengannur	Alapuzha	Drought
704	Т11	Ma1:1	A11	Severe
794	Tazhakkare	Mavelikara	Alapuzha	Drought
795	Chinasti	Vorthilronall-	Aloniaho	Severe
193	Chingoli	Karthikapally	Alapuzha	Drought
796	Kannamangalam	Mavelikara	Alapuzha	Severe
1 90	Maimamangalam	wavciikara	ΠαραΖπα	Drought
797	Mavelikara	Mavelikara	Alapuzha	Severe
			_	Drought
798	Chappad	Karthikapally	Alapuzha	Severe

				Drought
799	Votteron	Mavelikara	Alomasiko	Severe
199	Vettyar	Mavelikara	Alapuzha	Drought
800	Arattupuzha	Karthikapally	Alapuzha	Severe
000	Mattupuzna	Kartinkapany	Mapuzna	Drought
801	Nurasad	Mavelikara	Alapuzha	Severe
	110,10,000		1 2204 62220	Drought
802	Pathiyur	Karthikapally	Alapuzha	Severe
	3	1 3	1	Drought
803	Kurikad	Karthikapally	Alapuzha	Severe
			-	Drought
804	Kandallur	Karthikapally	Alapuzha	Severe
				Drought Severe
805	Kayamkulom	Karthikapally	Alapuzha	Drought
				Severe
806	Krishnapurom	Karthikapally	Alapuzha	Drought
				Severe
807	Puthuppally	Karthikapally	Alapuzha	Drought
000	D 1111	3.6 1'1	A1 1	Severe
808	Ballikunnom	Mavelikara	Alapuzha	Drought
900	A	Cherthala	A 11	Moderate
809	Aroor	Cherthaia	Alapuzha	Drought
810	Arookutty	Cherthala	Alapuzha	Moderate
010	Mookutty	Cilcitilala	Mapuzna	Drought
811	Ezhupunna	Cherthala	Alapuzha	Moderate
	22110.7 0111100	0110101010	1200 00220	Drought
812	Palavally	Cherthala	Alapuzha	Moderate
			1	Drought
813	Kodamthurudh	Cherthala	Alapuzha	Moderate
			_	Drought Moderate
814	Thykkattusseerry	Cherthala	Alapuzha	
				Drought Moderate
815	Luthiyathodu	Cherthala	Alapuzha	Drought
				Moderate
816	Thuravoor South	Cherthala	Alapuzha	Drought
0.4.	5 44	G1 .1 1		Moderate
817	Pallippuram	Cherthala	Alapuzha	Drought
010	77 1 TO 4	01 41 1	A1 1	Moderate
818	Vayalar East	Cherthala	Alapuzha	Drought
819	Pattenakkad	Cherthala	Alapuzha	Moderate
019	Tattellakkau	Chefthala	Alapuziia	Drought
820	Kadakkarappally	Cherthala	Alapuzha	Moderate
520		CHOI CHAIA	Парагна	Drought
821	Thanneermukkom	Cherthala	Alapuzha	Moderate
	North		-1	Drought
822	Manjoor	Vaikom	Kottayam	Severe
823		Vaikom	·	Drought
043	Kallara	vaikom	Kottayam	Severe

				Drought
824	Kanakkari	Meenachil	Kottayam	Severe
027	Namarkan	Wicchaciii	Kottayam	Drought
825	Onamdhuruthu	Kottayam	Kottayam	Severe
023	Onamunununu	Rottayam	Kottayam	Drought
826	Vechoor	Vaikom	Kottayam	Severe
020	V CCIIOOI	Valkom	Kottayam	Drought
827	Athirampuzha	Kottayam	Kottayam	Severe
021	71tilli allipuzlia	Rottayam	Kottayam	Drought
828	Kaipuzha	Kottayam	Kottayam	Severe
020		Rottayam		Drought
829	Peroor	Kottayam	Kottayam	Severe
027	1 01001	Nottayani	Mottayam	Drought
830	Arpookara	Kottayam	Kottayam	Severe
000	ni pookara	Nottayani		Drought
831	Ayimanam	Kottayam	Kottayam	Severe
001		Rottayam	Kottayam	Drought
832	Perembaikad	Kottayam	Kottayam	Severe
002	Terembarkau	Rottayam	Kottayam	Drought
833	Kumarakom	Kottayam	Kottayam	Severe
000	Rumarakom	Rottayam	Kottayam	Drought
834	Muttambalam	Kottayam	Kottayam	Severe
004	Wattambalam	Rottayam	Kottayam	Drought
835	Chengalam	Kottayam	Kottayam	Severe
000	Cilcingalaili	Rottayam	Kottayam	Drought
836	Kottayam	Kottayam	Kottayam	Severe
000	Kottayani	Nottayani		Drought
837	Muttambalam	Kottayam	Kottayam	Severe
007	Wattambalam	Rottayam	Kottayam	Drought
838	Thiruvarppu	Kottayam	Kottayam	Severe
000	uvarppu	Rottayam	Kottayam	Drought
839	Veloor	Kottayam	Kottayam	Severe
007	VCIOOI	Rottayam	Kottayam	Drought
840	Nattakom	Kottayam	Kottayam	Severe
070	Ivattakulli	Rottayam	Kottayam	Drought
841	Puthupally	Kottayam	Kottayam	Severe
071	T utilupally	Rottayam	Kottayam	Drought
842	Panchikad	Kottayam	Kottayam	Severe
072	1 ancinkau	Rottayam	Kottayam	Drought
843	Kurichi	Changanassery	Kottayam	Severe
0+3	Kuriciii	Changanassery	Kuttayam	Drought
844	Vazhapalli West	Changanassery	Kottayam	Severe
JTT	vaznapam west	Changanassery	Mottayani	Drought
845	Vazhapalli East	Changanassery	Kottayam	Severe
0+0	v azmapam Bast	Changanassery	Kottayani	Drought
846	Changanassary	Changanassery	Kottayam	Severe
0-10	Citatigatiassary	Changanasscry	Kottayani	Drought
847	Mulakulam	Vaikom	Kottayam	Moderate
				Drought
848	Velloor	Vaikom	Kottayam	Moderate

				Drought
849	Chempu	Vaikom	Vottovom	Moderate
049	Chempu	vaikoiii	Kottayam	Drought
850	Vellilappally	Meenachil	Kottayam	Moderate
030	11 0	WiceHacilii	Kuttayam	Drought
851	Kulasekharamangal	Vaikom	Kottayam	Moderate
031	am	Valkulli	Kuttayam	Drought
852	Vadayar	Vaikom	Kottayam	Moderate
032	Vauayai	v aikūlii	Kuttayam	Drought
853	Kadudhurudhy	Vaikom	Kottayam	Moderate
000	Kadudifuludify	vaikuiii	Kuttayam	Drought
854	Vadakkemuri	Vaikom	Vottoriom	Moderate
034	vadakkelliuli	vaikoiii	Kottayam	Drought
855	Phononongonom	Meenachil	Vottoriom	Moderate
033	Bharananganam	Meenaciii	Kottayam	Drought
856	Nodarrilo	Vailtom	Vottorrom	Moderate
850	Naduvila	Vaikom	Kottayam	Drought
0.57	T - 1	M 1- !1	TZ - 4.4	Moderate
857	Lalam	Meenachil	Kottayam	Drought
050	26 44 1:	7.7 '1	T7 11	Moderate
858	Muttuchira	Vaikom	Kottayam	Drought
050	77 11 11	T. 11	77	Moderate
859	Kodhanalloor	Vaikom	Kottayam	Drought
0.60	77.11	T7 '1	77	Moderate
860	Vaikom	Vaikom	Kottayam	Drought
0.6.1	/D1 1 1	7.7 '1	T7 11	Moderate
861	Thalayazham	Vaikom	Kottayam	Drought
0.60	701 1 1	3.6 1 '1	T7	Moderate
862	Thulappalam	Meenachil	Kottayam	Drought
0.60	D 1:	3.6 1.1	T7	Moderate
863	Puliyannur	Meenachil	Kottayam	Drought
064	77: 1:	3.5 1.1	77	Moderate
864	Kidingoor	Meenachil	Kottayam	Drought
065		3.5 1.11	· ·	Moderate
865	Irattupettah	Meenachil	Kottayam	Drought
066	3.5 1.1	3.5 1.1	77	Moderate
866	Meenachil	Meenachil	Kottayam	Drought
067	. ·	3.5 1.11	77	Moderate
867	Poovarani	Meenachil	Kottayam	Drought
2.50	1			Moderate
868	Kondoor	Meenachil	Kottayam	Drought
0.60	TNU	T7	TZ	Moderate
869	Ettumanur	Kottayam	Kottayam	Drought
0=0		** ''		Moderate
870	Koottickal	Kanjirapally	Kottayam	Drought
67:		77	77	Moderate
871	Ayarkunnam	Kottayam	Kottayam	Drought
	41 1 1	77	77	Moderate
872	Akalakunnam	Kottayam	Kottayam	Drought
873	Manarcad	Kottayam	Kottayam	Moderate
		: :::: ; ::::		

				Drought
874	Kooropada	Kottovom	Vottovom	Moderate
014	Kooropada	Kottayam	Kottayam	Drought
875	Mundakayam	Kanjirapally	Kottayam	Moderate
013	Mulluakayalli	Kanjirapany	Kottayam	Drought
876	Edakunnam	Kanjirapally	Kottayam	Moderate
010	Daakuillalli	Ranjirapany	Rottayam	Drought
877	Kanjirapally	Kanjirapally	Kottayam	Moderate
011	Kanjirapany	Ranjirapany	Rottayam	Drought
878	Chirakadavu	Kanjirapally	Kottayam	Moderate
070	Cimanadava	nanjirapany	Hottayam	Drought
879	Koovapally	Kanjirapally	Kottayam	Moderate
013	noovapany	nanjirapany	nottayani	Drought
880	Erumeli North	Kanjirapally	Kottayam	Moderate
000	Bramen worth	nanjirapany	nottayani	Drought
881	Vellayur	Changanassery	Kottayam	Moderate
001	Vellayai	Changanassery	Hottayam	Drought
882	Erumeli South	Kanjirapally	Kottayam	Moderate
002	Bramen Soden	nanjirapany	nottayani	Drought
883	Manimala	Kanjirapally	Kottayam	Moderate
000	Wallinaa	nanjirapany	Hottayam	Drought
884	Mannamkandam	Devikulam	Idukki	Severe
001	- Walliam allami	Devination	Idaini	Drought
885	Chinnakanal	Udumbonchola	Idukki	Severe
000	Cililianana	Cadinoonenoia	Idditti	Drought
886	Bisonvally	Udumbonchola	Idukki	Severe
000		- Cudinoniona	Tugiiii	Drought
887	Kunnjithannuy	Devikulam	Idukki	Severe
		_ 0 1 0 1		Drought
888	Vannappuram	Todupuzha	Idukki	Severe
	·	To a dip dizzion	101011111	Drought
889	Rajakumari	Udumbonchola	Idukki	Severe
007		0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	101011111	Drought
890	Kanjikuzhy	Todupuzha	Idukki	Severe
0,70		To a dip dizzion	101011111	Drought
891	Poopara	Udumbonchola	Idukki	Severe
051	- Toopara	- Cudinoniona	Tugiiii	Drought
892	Vellathooval	Devikulam	Idukki	Severe
0,7	. 022002200 . 022	20111111111	101011111	Drought
893	Kodikulam	Todupuzha	Idukki	Severe
0,0	1104111414111	Todapazna	1441111	Drought
894	Rajakadu	Udumbonchola	Idukki	Severe
		3 4 44411 4 4441 4 444		Drought
895	Kumaramangalam	Todupuzha	Idukki	Severe
370	amanganam	200000000000000000000000000000000000000	-441111	Drought
896	Konnathady	Udumbonchola	Idukki	Severe
		,		Drought
897	Sandhampara	Udumbonchola	Idukki	Severe
				Drought
898	Udumbannoor	Todupuzha	Idukki	Severe

899GandhiparaUdumboncholaIdukkiSevere Drought900NeyyasseryTodupuzhaIdukkiSevere Drought901TodupuzhaTodupuzhaIdukkiSevere Drought902VathikudyUdumboncholaIdukkiSevere Drought903IdukkiTodupuzhaIdukkiSevere Drought904UdumbancholaUdumboncholaIdukkiSevere Drought905KarikodeTodupuzhaIdukkiSevere Drought906ManakkadTodupuzhaIdukkiSevere Drought907UpputhodaUdumboncholaIdukkiSevere Drought908ParathoduUdumboncholaIdukkiSevere Drought909AlakodeTodupuzhaIdukkiSevere Drought910KalkunthalUdumboncholaIdukkiSevere Drought911KarinkunnamTodupuzhaIdukkiSevere Drought912ThankamanyUdumboncholaIdukkiSevere Drought913VelliamattomTodupuzhaIdukkiSevere Drought914MuttamTodupuzhaIdukkiSevere Drought915AyyappancoilUdumboncholaIdukkiSevere Drought916KudayathoorTodupuzhaIdukkiSevere Drought917ArakulamTodupuzhaIdukkiSevere Drought918KarunapuramUdumboncholaIdukkiSevere Drought919ElappillyTodupuzhaIdukkiSevere Drought					Drought
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	922	Marayoor	Devikulam	ldukki	
	923	Keezhanthoor	Devikulam	Idukki	

				Drought
004	TZ 4 - 11	D!11	T.11-1-1	Moderate
924	Kantalloor	Devikulam	Idukki	Drought
925	Manakulam	Devikulam	Idukki	Moderate
925	Manakulain	Devikulaili	Idukki	Drought
926	Unnuthere	Peermed	Idukki	Moderate
920	Upputhara	recilieu	idukki	Drought
927	Anavilasom	Udumbonchola	Idukki	Moderate
941	Allavilasoili	Oddinoonchola	IUUKKI	Drought
928	Elappara	Peermed	Idukki	Moderate
920	Баррага	1 cermed	IUUKKI	Drought
929	Manjamala	Peermed	Idukki	Moderate
949	Manjamaa	1 cermed	IUUKKI	Drought
930	Periyar	Peermed	Idukki	Moderate
700	Terryar	1 cermed	Idukki	Drought
931	Kokkayar	Peermed	Idukki	Moderate
931	Nokkayai	1 cermed	Idukki	Drought
932	Puruvanthanam	Peermed	Idukki	Moderate
902	i ui uvaiitiiaiiaiii	1 cermed	IUUKKI	Drought
933	Anikkaad	Mallappally	Pathanamthitta	Severe
933	Allikkaau	манаррану	Tallialialillilla	Drought
934	Kottangl	Mallappally	Pathanamthitta	Severe
934	Kottangi	манаррану	Tallialialillilla	Drought
935	Chittar Seethathodu	Ranni	Pathanamthitta	Severe
933	Cilitiai Seemamouu	Kaiiii	Tallialialillilla	Drought
936	Mallappally	Mallappally	Pathanamthitta	Severe
700	Manappany	Manappany	Tamanamma	Drought
937	Perund	Ranni	Pathanamthitta	Severe
501	rerund		Tattianamiti	Drought
938	Kalloopara	Mallappally	Pathanamthitta	Severe
500	Ranoopara	Manappany	Tatrianamiti	Drought
939	Angadi	Ranni	Pathanamthitta	Severe
505	- III Saai	- Tallii	Tatriariaritta	Drought
940	Kavigoor	Thiruvalla	Pathanamthitta	Severe
710	Tiavigooi	Tim avana	Tatriariaritta	Drought
941	Pazhavangadi	Ranni	Pathanamthitta	Severe
J 11	1 aznavangaai	Railli	1 atmanamenta	Drought
942	Kavumbhagam	Thiruvalla	Pathanamthitta	Severe
712	navamonagam	Tim avana	Tatriariaritta	Drought
943	Kuttapuzha	Thiruvalla	Pathanamthitta	Severe
<i></i>	πατιαρασπα	Tim avana	- amanamina	Drought
944	Puramatton	Mallappally	Pathanamthitta	Severe
		anappanj		Drought
945	Athikayam	Ranni	Pathanamthitta	Severe
	Titilina y alli	1011111		Drought
946	Peringara	Peringara Thiruvalla	Pathanamthitta	Severe
	10111190110	TIII avaiia		Drought
947	Thiruvalla	Thiruvalla	Pathanamthitta	Severe
				Drought
948	Ayroor	Ranni	Pathanamthitta	Severe

				Drought
0.40	ъ :	/D1 · 11	D (1 (1))	Severe
949	Eraviperoor	Thiruvalla	Pathanamthitta	Drought
050	NI - 4	Thiruvalla	Da 41a a 12 a 12 44 a	Severe
950	Nedumpuram	Iniruvalia	Pathanamthitta	Drought
951	Thottopuzhossom	Thiruvalla	Pathanamthitta	Severe
931	Thottapuzhassery	Tilli uvalla	Pathanamini	Drought
952	Voyanuram	Thiruvalla	Pathanamthitta	Severe
934	Koyapuram	Tilliuvalla	Tatilallallitilitia	Drought
953	Ranni	Ranni	Pathanamthitta	Severe
900	Kanin	Railli	1 attianaminita	Drought
954	Vadasserikara	Ranni	Pathanamthitta	Severe
904	Vauasserikara	Raiiii	1 attianaminita	Drought
955	Kuttoor	Thiruvalla	Pathanamthitta	Severe
700	Ruttooi	Tilli uvalla	Tattianaminta	Drought
956	Kadapra	Thiruvalla	Pathanamthitta	Severe
700	Kadapia	Tilliuvalla	Tattianaminta	Drought
957	Cherukole	Ranni	Pathanamthitta	Severe
501	Cherakole	Raiiii	Tatriariaritti	Drought
958	Kozhanchery	Kozhenchery	Pathanamthitta	Severe
700	Rozhanenery	ROZITETICTICTY	Tattianaminta	Drought
959	Niranam	Thiruvalla	Pathanamthitta	Severe
707	TVII allalli		Tatriariaritti	Drought
960	Aranmula	Kozhenchery	Pathanamthitta	Severe
700	7 Haiiii dia	ROZITETICTICTY	Tattianaminta	Drought
961	Mallappuzhasseri	Kozhenchery	Pathanamthitta	Severe
J01	Waliappazilasseri		Tatriariaritta	Drought
962	Malayalapuzha	Kozhenchery	Pathanamthitta	Severe
	maiaj alap azita		T dtHdHdHtHttd	Drought
963	Thannithode	Kozhenchery	Pathanamthitta	Severe
300			T dtHdHdHtHttd	Drought
964	Pathamthitta	Kozhenchery	Pathanamthitta	Severe
				Drought
965	Mezhuveli	Kozhenchery	Pathanamthitta	Severe
		J		Drought
966	Kulanada	Kozhenchery	Pathanamthitta	Severe
				Drought
967	Chunnirkara	Kozhenchery	Pathanamthitta	Severe
				Drought
968	Konnithazham	Kozhenchery	Pathanamthitta	Severe
				Drought
969	Omanur	Kozhenchery	Pathanamthitta	Severe
		, and the second		Drought
970	Pramadom	Kozhenchery	Pathanamthitta	Severe
		<u> </u>		Drought
971	Aruvapalam	Kozhenchery	Pathanamthitta	Severe
				Drought
972	Airavon	Kozhenchery	Pathanamthitta	Severe
973	Vonni		Dothonomthitte	Drought
913	Konni	Kozhenchery	Pathanamthitta	Severe

				Drought
974	Vallikkod	Kozhenchery	Pathanamthitta	Severe
914	Vallikkou	Rozhenchery	Tatilallallitilitta	Drought
975	Pandalam	Adoor	Pathanamthitta	Severe
310	randalan	114001	1 attiatiatititta	Drought
976	Kurampala	Adoor	Pathanamthitta	Severe
	_			Drought
977	Pardalomthekkakar	Adoor	Pathanamthitta	Severe
	a			Drought
978	Enadh	Adoor	Pathanamthitta	Severe
				Drought Severe
979	Kadampanad	Adoor	Pathanamthitta	Drought
				Moderate
980	Kollamula	Ranni	Pathanamthitta	Drought
				Severe
981	Punnala	Pathanapuram	Kollam	Drought
000	7.		77 11	Severe
982	Piravanthor	Pathanapuram	Kollam	Drought
002	D 1	17 11	TZ - 11	Severe
983	Pavumba	Karunagapally	Kollam	Drought
984	Dadhananinam	Dothononimom	Kollam	Severe
904	Padhanapuram	Pathanapuram	Kollalli	Drought
985	Edamon	Pathanapuram	Kollam	Severe
900	Edamon	i amanapuram	Kollalli	Drought
986	Alappad	Karunagapally	Kollam	Severe
500	Парраа		Honam	Drought
987	Clappara	Karunagapally	Kollam	Severe
				Drought
988	Thenmala	Pathanapuram	Kollam	Severe
		•		Drought
989	Maloor	Pathanapuram	Kollam	Severe
		_		Drought
990	Kulasekharapuram	Karunagapally	Kollam	Severe Drought
				Severe
991	Aryankavu	Pathanapuram	Kollam	Drought
				Severe
992	Thodiyoor	Karunagapally	Kollam	Drought
			44	Severe
993	Sooranad South	Kunnathur	Kollam	Drought
004	V1200 - +1	V2200-41	V a11	Severe
994	Kunnathur	Kunnathur	Kollam	Drought
995	Pattazha	Dathananiram	Kollam	Severe
220	rattaziia	Pathanapuram	Milaili	Drought
996	Kalayapuram	Kottarakkara	Kollam	Severe
	maiayaparani	110ttalannala	Monani	Drought
997	Kulakkada	Kottarakkara	Kollam	Severe
				Drought
998	Pidavoor	Pathanapuram	Kollam	Severe

				Drought
999	Athinad	Karunagapally	Kollam	Severe
223	Aumau	Karunagapany	Konam	Drought
1000	Karunagapally	Karunagapally	Kollam	Severe
1000	naranagapany	Haranagapany	Ronam	Drought
1001	Sasthamcotta	Kunnathur	Kollam	Severe
				Drought
1002	Kallelibhagam	Karunagapally	Kollam	Severe
	3	81 3		Drought
1003	Mynagappally	Kunnathur	Kollam	Severe
	<i>y</i> 3 11 <i>y</i>			Drought
1004	Pavithreswaram	Kottarakkara	Kollam	Severe
				Drought
1005	Puthur	Kottarakkara	Kollam	Severe
				Drought Severe
1006	Ayanivelikulangara	Karunagapally	Kollam	Drought
				Severe
1007	Vadkkumthala	Karunagapally	Kollam	Drought
				Severe
1008	Vilokudr	Pathanapuram	Kollam	Drought
				Severe
1009	Valakkod	Pathanapuram	Kollam	Drought
				Severe
1010	Punalur	Pathanapuram	Kollam	Drought
1011			11	Severe
1011	West Kalada	Kunnathur	Kollam	Drought
1010	771 1 1	T7 11	77 11	Severe
1012	Thevalakara	Karunagapally	Kollam	Drought
1010	D	17	TZ - 11	Severe
1013	Panmana	Karunagapally	Kollam	Drought
1014	East Kallada	Kollam	Kollam	Severe
1014	East Kanada	Kollalli	Kollalli	Drought
1015	Manrothuruthu	Kollam	Kollam	Severe
1013	Walifothurutifu	Ronam	Ronam	Drought
1016	Mulavana	Kollam	Kollam	Severe
1010	Watavana	nonam	Ronam	Drought
1017	Chavara	Karunagapally	Kollam	Severe
				Drought
1018	Airanallur	Pathanapuram	Kollam	Severe
		<u>r</u>		Drought
1019	Thekkumbhagam	Karunagapally	Kollam	Severe
				Drought
1020	Thingalkarikkom	Pathanapuram	Kollam	Severe
	_			Drought
1021	Kulathupuzha	Pathanapuram	Kollam	Severe
				Drought Severe
1022	Panayan	Kollam	Kollam	Drought
1023	Thrikkaruva	Kollam	Kollam	Severe
1020	IIIIIIII uva	Ronani	Itoliani	Develo

				Drought
1024	Perinad	Kollam	Kollam	Severe
1021	1 ciliaa	Konam	Ronam	Drought
1025	Alchal	Pathanapuram	Kollam	Severe
1020		- Tatilaraparam	110114111	Drought
1026	Nundakara	Karunagapally	Kollam	Severe
		31 3		Drought
1027	Sakthakulongara	Kollam	Kollam	Severe
				Drought
1028	Elamadu	Kottarakkara	Kollam	Severe
				Drought Severe
1029	Thrikkadavoor	Kollam	Kollam	Drought
				Severe
1030	Edamuluckal	Pathanapuram	Kollam	Drought
				Severe
1031	Mangad	Kollam	Kollam	Drought
				Severe
1032	Thrikkovilvattom	Kollam	Kollam	Drought
				Severe
1033	Pooyappally	Kottarakkara	Kollam	Drought
1001			44	Severe
1034	Kollam	Kollam	Kollam	Drought
1005	T7 1.1 1	TZ 1.1	77 11	Severe
1035	Kottakkal	Kottarakkara	Kollam	Drought
1036	Velinalloor	Kottarakkara	Kollam	Severe
1030	veimanoor	Kullarakkara	Kollalli	Drought
1037	Vadakkevila	Kollam	Kollam	Severe
1037	Vauakkeviia	Kollalli	Konam	Drought
1038	Chadayamangalam	Kottarakkara	Kollam	Severe
1000	Chadayamangalam	- Hottarainara	Ronam	Drought
1039	Thazhuthala	Kollam	Kollam	Severe
1003			1101101111	Drought
1040	Adichanalloor	Kollam	Kollam	Severe
				Drought
1041	Mundakkd	Kollam	Kollam	Severe
				Drought
1042	Meenad	Kollam	Kollam	Severe
				Drought Severe
1043	Mayyanad	Kollam	Kollam	Drought
				Severe
1044	Kallevathukkal	Kollam	Kollam	Drought
				Severe
1045	Iravipural	Kollam	Kollam	Drought
1045	D.	T7 11	T7 11	Severe
1046	Paravoor	Kollam	Kollam	Drought
1047	O1. i1 1	TZ - 11	17 - 11	Severe
1047	Chirakkara	Kollam	Kollam	Drought
1048	Poothakulam	Kollam	Kollam	Severe

				Drought
1049	Vottonurom	Kollam	Kollam	Severe
1049	Kottapuram	Kollalli	Kollalli	Drought
1050	Pallikkal	Chirayinkeezhu	Thiruvananthap	Severe
1030	i allikkai	Cilifayilikeeziiu	uram	Drought
1051	Peringamala	Nedumangad	Thiruvananthap	Severe
1031	1 Ci iligalilala	Neudinangau	uram	Drought
1052	Ayirur	Chirayinkeezhu	Thiruvananthap	Severe
1002	Tyn di	Cimayiiikccziiu	uram	Drought
1053	Thennur	Nedumangad	Thiruvananthap	Severe
1000	memai	Neudmangau	uram	Drought
1054	Edava	Chirayinkeezhu	Thiruvananthap	Severe
1004	Luava	Cimayiiikccziiu	uram	Drought
1055	Pulimathu	Chirayinkeezhu	Thiruvananthap	Severe
1000	1 dillidilla	Omitayimeeziia	uram	Drought
1056	Venkala	Chirayinkeezhu	Thiruvananthap	Severe
1000	Venkara	Cimayiiikccziia	uram	Drought
1057	Ottur	Chirayinkeezhu	Thiruvananthap	Severe
1007	Ottai	Cimayiiikccziia	uram	Drought
1058	Kallara	Nedumangad	Thiruvananthap	Severe
1000	Kanara	Neudmangau	uram	Drought
1059	Nagarur	Chirayinkeezhu	Thiruvananthap	Severe
1007	riagar di	Cimayiiikccziia	uram	Drought
1060	Koduvazhaninur	Chirayinkeezhu	Thiruvananthap	Severe
1000	Roddyaziiaiiiidi	Cimayiiikccziia	uram	Drought
1061	Vamanapuram	Nedumangad	Thiruvananthap	Severe
1001	vamanaparam	ricadillaligad	uram	Drought
1062	Manampur	Chirayinkeezhu	Thiruvananthap	Severe
1002			uram	Drought
1063	Vettur_cherunniyur	Chirayinkeezhu	Thiruvananthap	Severe
1000	veccar_error arming ar		uram	Drought
1064	Alankode	Chirayinkeezhu	Thiruvananthap	Severe
			uram	Drought
1065	Pullampara	Nedumangad	Thiruvananthap	Severe
			uram	Drought
1066	Palode	Nedumangad	Thiruvananthap	Severe
			uram	Drought
1067	Ilampi-Mundakkal	Chirayinkeezhu	Thiruvananthap	Severe
	-		uram	Drought
1068	Kizhattangl	Chirayinkeezhu	Thiruvananthap	Severe
		<u> </u>	uram	Drought
1069	Nallanad	Nedumangad	Thiruvananthap	Severe
			uram	Drought
1070	Vidura	Nedumangad	Thiruvananthap	Severe
	۱۱ نام ۱ ۸ ما		Uram	Drought
1071	Ahilgil-	Chirayinkeezhu	Thiruvananthap	Severe
	Avanavachery	-	Uram	Drought
1072	Kadakkavur	Chirayinkeezhu	Thiruvananthap	Severe
1072	Chinorrialriah		Uram	Drought
1073	Chirayinkizh	Chirayinkeezhu	Thiruvananthap	Severe

			uram	Drought
		~	Thiruvananthap	Severe
1074	Kizhvalal Kuntalur	Chirayinkeezhu	uram	Drought
1077	3.5	27 1	Thiruvananthap	Severe
1075	Mannurkara	Nedumangad	uram	Drought
		Thiruvananthapu	Thiruvananthap	Severe
1076	Veilur	ram	uram	Drought
			Thiruvananthap	Severe
1077	Azhur	Chirayinkeezhu	uram	Drought
1050			Thiruvananthap	Severe
1078	Aryanad	Nedumangad	uram	Drought
1050	1. 1 1	Thiruvananthapu	Thiruvananthap	Severe
1079	Kadinamkulam	ram	uram	Drought
1000			Thiruvananthap	Severe
1080	Uzhamalakkal	Nedumangad	uram	Drought
1001	5 44	Thiruvananthapu	Thiruvananthap	Severe
1081	Pallipuram	ram	uram	Drought
1000	77 1 1 4		Thiruvananthap	Severe
1082	Vazhichal	Neyyattinkara	uram	Drought
1000			Thiruvananthap	Severe
1083	Vellanad	Nedumangad	uram	Drought
1004	Kazhakuttom	Thiruvananthapu	Thiruvananthap	Severe
1084	Menomkulam	ram	uram	Drought
1005		N. 1	Thiruvananthap	Severe
1085	Aruvikar	Nedumangad	uram	Drought
1006	D 1 1	NT 1 1	Thiruvananthap	Severe
1086	Parumkulam	Nedumangad	uram	Drought
1007	A	Thiruvananthapu	Thiruvananthap	Severe
1087	Attipra	ram	uram	Drought
1000	17 - 11:1-1 4	N	Thiruvananthap	Severe
1088	Kallikkad	Neyyattinkara	uram	Drought
1000	V	No decree of	Thiruvananthap	Severe
1089	Veerankavu	Nedumangad	uram	Drought
1090	Volonnil	Normrottinlrono	Thiruvananthap	Severe
1090	Velappil	Neyyattinkara	uram	Drought
1091	Ambaami	Normrottinlrono	Thiruvananthap	Severe
1091	Amboory	Neyyattinkara	uram	Drought
1092	Kulathummel	Neyyattinkara	Thiruvananthap	Severe
1094	Ruiamummer	ivcyyattiiikaia	uram	Drought
1093	Ottasekharamangal	Neyyattinkara	Thiruvananthap	Severe
1093	am	ricyyattiiikara	uram	Drought
1094	Maranallur	Neyyattinkara	Thiruvananthap	Severe
1077	marananu	ricyyattiikara	uram	Drought
1095	Keezharoor	Neyyattinkara	Thiruvananthap	Severe
1070	110021141001	ricyyattiinara	uram	Drought
1096	Perumpazhuthur	Neyyattinkara	Thiruvananthap	Severe
1000	1 of ampazitatia	110, y attilixara	uram	Drought
1097	Perumkadavila	Neyyattinkara	Thiruvananthap	Severe
			uram	Drought
1098	Kottakal	Neyyattinkara	Thiruvananthap	Severe

			uram	Drought
1099	Vonconin	Thiruvananthapu	Thiruvananthap	Severe
1099	Venganur	ram	uram	Drought
1100	Normattinlana	Normattin Irono	Thiruvananthap	Severe
1100	Neyyattinkara	Neyyattinkara	uram	Drought
1101	Vizhingin	Normattin Irono	Thiruvananthap	Severe
1101	Vizhingim	Neyyattinkara	uram	Drought
1102	Chenkal	Neyyattinkara	Thiruvananthap	Severe
1102	Chenkai	Neyyattiiikara	uram	Drought
1103	Parasuvaikkal	Neyyattinkara	Thiruvananthap	Severe
1103	Tarasuvaikkai	Neyyattiiikara	uram	Drought
1104	Vanjaramkulam	Nevavottinlzoro	Thiruvananthap	Severe
1104	Kanjsramkulam	Neyyattinkara	uram	Drought
1105	Thirupuram	Neyyattinkara	Thiruvananthap	Severe
1103	Timupuram	ivcyyattiiikara	uram	Drought
1106	Karinkulam	Neyyattinkara	Thiruvananthap	Severe
1100	Kariiikulaiii	ivcyyattiiikara	uram	Drought
1107	Karode	Neyyattinkara	Thiruvananthap	Severe
1107	Narouc	ivcyyattiiikara	uram	Drought
1108	Kulathur	Neyyattinkara	Thiruvananthap	Severe
1100	Kulatilul	ivcyyattiiikara	uram	Drought
1109	Cheruvikkal	Thiruvananthapu	Thiruvananthap	Moderate
1105	Cilci uvikkai	ram	uram	Drought
1110	Kadagampally	Thiruvananthapu	Thiruvananthap	Moderate
1110	Radagampany	ram	uram	Drought
1111	Vilavurkkal	Neyyattinkara	Thiruvananthap	Moderate
1111	v na v ar maar		uram	Drought
1112	Thaicad	Thiruvananthapu	Thiruvananthap	Moderate
1112	Tharcad	ram	uram	Drought
1113	Thirumala	Thiruvananthapu	Thiruvananthap	Moderate
1110	Tim amaia	ram	uram	Drought
1114	Pettah	Thiruvananthapu	Thiruvananthap	Moderate
1111		ram	uram	Drought
1115	Nemom	Thiruvananthapu	Thiruvananthap	Moderate
1110	1101110111	ram	uram	Drought
1116	Manacaud	Thiruvananthapu	Thiruvananthap	Moderate
1110	1.141140444	ram	uram	Drought
1117	Muttathara	Thiruvananthapu	Thiruvananthap	Moderate
		ram	uram	Drought
1118	Thiruvallam	Thiruvananthapu	Thiruvananthap	Moderate
		ram	uram	Drought
1119	Kallaiyar	Thiruvananthapu	Thiruvananthap	Moderate
1119	Nanaiyai	ram	uram	Drought

Note that villages without water bodies are to be addressed with top priority.

Table 4: Number of drought prone villages without and with water bodies in each district

District	Number of villages without Water Body			Number of villages with Water Body		
	Severe	Moderate	Drought	Severe	Moderate	Drought

Kasargod	0	21	0	0	64	0
Kannur	0	32	0	0	97	0
Kozhikode	0	24	3	0	86	4
Wayanad	19	1	0	13	16	0
Malappuram	0	49	0	4	82	0
Palakkad	0	42	0	14	101	0
Thrissur	0	77	7	1	161	8
Ernakulam	0	32	0	16	77	0
Alappuzha	11	3	0	64	13	0
Kottayam	10	22	0	25	37	0
Idukki	10	5	0	38	11	0
Pathanamthitta	19	1	0	47	1	0
Kollam	34	0	0	69	0	0
Thiruvananthapuram	39	4	0	59	11	0
Total	142	313	10	350	757	12

Based on the analysis it was evident that majority of the state had a deficit of rainfall by end of July; 492 villages were severely drought prone (>50% deficit), 1070 villages were moderately drought prone (26-50% deficit), and 22 villages were drought prone (10-26% deficit) as per IMD criteria. Figure 3 is the map depiciting the drought severity classes based on the data and the top priority villages to be addressed for drought risk reduction. The monsoon intensified since early August and the overall deficit has dropped to 26% from the 32% as per the values till 2 Sep 2012 (cf. Figure 1b).

However, this does not assure that the state will recive the expected rainfall by the end of September (end of SW monsoon). The present rain spell may last for another 3 to 5 days as per IMD's medium range forecast and the intensity of cloud cover observable over the peninsula from the latest INSAT Satellite Images. It is reported that the reservoirs of the state has only about 35% of the total storage (which is also a proxy of the ground water status) considering which the situation may aggravate if the North East Monsoon does not perform enough to overcome this deficit. It may be noted that NE monsoon traditionally does not contribute more than 33% of the annual rainfall received by the state.

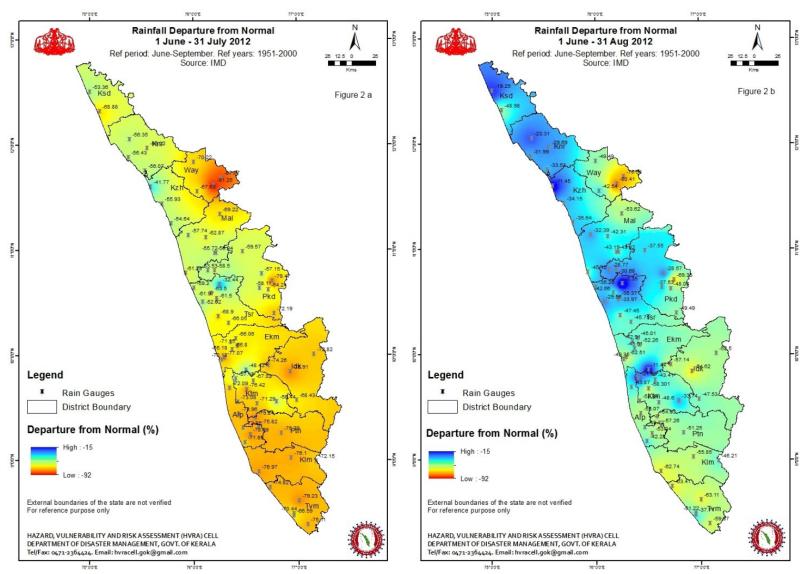


Figure 2 a & b: June-July and June-August rainfall departure from seasonal normal, respectively

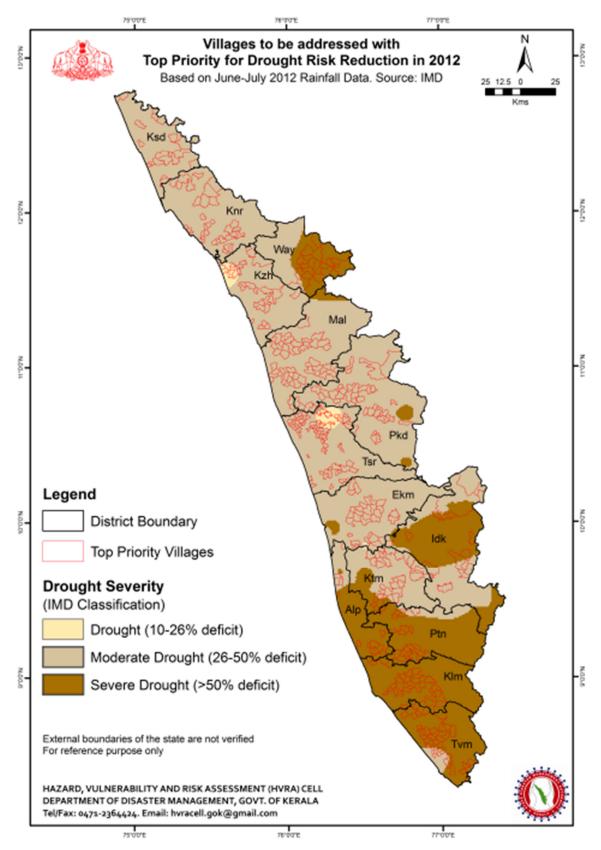


Figure 3: Map depicting the drought severity classes based on the rainfall data of June-July 2012 and the top priority villages to be addressed for drought risk reduction in the year

Further, it is evident from Figure 2b that more than 50% of the land area of the four districts (Thiruvananthapuram, Kollam, Idukki and Wayanad) are severely drought affected and the situation may further aggravate and may extent to other districts in the coming months if North East monsoon does not strengthen. Considering the water usage charactristics of Kerala (~450-500 liters/head), and the fact that the state's economy including majority of the electricity production is significantly depended on the South West Monsoon rainfall, the current situation warrants itself to be classified as an impending disaster which necessitates external aid, particularly assistance from the Central Government to cope with.

CHAPTER IV

DROUGHT RELIEF ACTIVITIES

4.1 Water Resource Management

Water resource management in the drought-affected areas is one of the most critical tasks of relief operations. Since water is a basic need for human and cattle population, supply of drinking water on a steady basis is the most important responsibility for Government at all levels. It requires diverse measures such as augmentation of water supply, rationing of water use, preservation of water and efficient utilization and management of water resources, in both urban and rural areas. Provision of water and its use is the most important yardstick for judging the effectiveness of relief operations.

The State Government has issued special orders for distribution of drinking water in water tankers, repairs and augmentation of all the existing water supply schemes. This includes piped water supply scheme, electrical pumps fitted on bore-wells, hand pumps, wells and any other sources of drinking water.

The District Collectors have directed the Tahsildars to visit the affected areas and draw up Taluk-wise lists of villages in which drinking water scarcity has already developed or likely to arise. The list of these problem villages was counterchecked through the Sub-Divisional Officers and other district officers from the relevant departments and based on their report the Collector have then finalized the list of villages. On the basis of this information, the District Collectors have prepared contingency plans for provision of drinking water in all the villages that are likely to face a water scarcity. The District Collectors have already started supply of drinking water through tankers. The District Collectors have prepared a Taluk-wise list of all the water supply schemes in the district which need repairs. A district-level campaign is being organized for repairing all the hand pumps and electricity pumps fitted on bore-wells. The Collectors are asked to provide funds for immediate repairs to water supply schemes, hand pumps, and bore-wells through the State Disaster Response Fund.

The contingency plan includes the following:

- Supply of drinking water through water tankers where drinking water scarcity is felt.
- Any piped water supply scheme, which is already under execution in any of these villages, should be completed expeditiously;

- Piped water supply, temporary piped water supply, or bore-wells already constructed in any of the villages which are non-functional should be made functional by undertaking necessary repairs or renovation;
- If an existing bore-well can provide enough water to the village by installation of a power pump, then the district administration should take emergent measures to get the power pump installed;

4.2 Drought Relief Activities by District Administrations

4.2.1 Supply of Drinking Water through tankers:

The Collectors have taken immediate measures to supply water through tankers to the villages in the drought-affected districts, where no other source of water supply is available. The Government tankers are deployed for the supply of drinking water and apart from this, private tankers are also hired as Government tankers are inadequate for ensuring uninterrupted supply of drinking water to the affected villages.

The total expenditure for the above works is as given below.

- Trivandrum Rs. 8,51,00,000.00
- Kollam Rs. 9,00,00,000.00
- Pathanamthitta Rs. 8,54,00,000.00
- Alappuzha Rs. 13,60,00,000.00
- Idukki Rs. 10,50,00,000.00
- Eranakulam Rs. 7,50,00,000.00
- Thrissur Rs. 9,00,00,000.00
- Palackad Rs. 10,18,00,000.00
- Malappuram Rs. 10,00,00,000.00
- Kozhikode Rs. 7,00,00,000.00
- Wayanad Rs. 10,00,00,000.00
- Kannur Rs. 5,98,00,000.00
- Kasargod 7,60,30,000.00
- Kottayam 8,15,00,000.00

Total Expenditure - Rs. 1,25, 56,30,000.00

4.3 Drought relief measures undertaken/being undertaken by Kerala Water Authority (KWA)

The State Government have already decided to construct temporary piped water supply in villages where drinking water supply is scarce. The Kerala Water Authority will make provisions temporary water supply in consultation with public health engineering, or rural development department, as the case may be. It could either be implemented by the agency responsible for water supply in the State or a local body. All temporary water supply schemes would be handed over to the village Panchayat for maintenance. Such a scheme can be taken for execution only when the village Panchayat passes a resolution to take over the scheme and maintain it after its completion.

Check dam works being undertaken by Kerala Water Authority consists of construction of a masonry embankment across a stream with surplussing arrangement (waste weirs, at suitable intervals). These works are undertaken to hold maximum runoff water to create temporary flooding in the stream with arrangements to drain water at suitable intervals. Such embankments depend on the slope of the nalla or off-stream and the quantity of water expected to flow. The impounding of water facilitates percolation of water into deeper soil and makes it possible to bring under cultivation the land under the bed of the nallas. The water released from these bunds is free from silt and very low in velocity and thus unable to cause erosion. Thus, water can be utilized optimally.

The particulars of drought relief works already been undertaken / being undertaken by the Kerala Water Authority in drought affected areas and the expenditure incurred are given below.

4.3.1 Inter connection of Quilon WSS/Ultra filteration units/Supply and Installation of pumpsets/Desalination Plant works at Ashtamudi/Deployment of Water Tankers:

S1. No.	Item	Quantity	Amount (in Rs. Lakhs)
1	Quilon WSS - Inter connection (Using MS/DI Pipes of suitable dia and class and other Improvements	1 no	1700

2	Ultra filteration Units @ Rs 200 Lakhs /Each	3 Nos	600
3	Supply and Installation of Pumpsets	Lump sum	12600
4	Desalination Plant at Ashtamudi (Mobile Units) - 4 mld each	5 Nos	2000
5	Purchase of Water tankers @ Rs 15 Lakhs each	30 Nos	450
	TOTAL		17350

4.3.2 Relaying pipelines & pipeline extensions:

Relaying pipeline/pipeline extensions				
Sl.No.	District	Division	No.	Amount Rs. In lakhs
1	Trivandrum	PH Circle,Trivandrum	90	693.09
2	Kollam	PH Division, Kollam	1	15.00
3		PH Division, Thiruvalla	30	465.60
	Alappuzha	PH Division, Thiruvalla	1	3.00
4	- Lapp dana	PH Division, Alappuzha	13	157.00
	Kottayam	PH Division, Thiruvalla	6	87.00
5	, and the second	PH Division, Kottayam	26	243.45
		PH Division, Muvattupuzha	37	410.50
	Ernakulam	WS Division, Kochi	53	181.35
6		PH Division Aluva	99	966.89
7	Thrissur	PH Division, Thrissur	14	87.00
	Thrissur	Project Division Nattika	8	51.94
8	Palakkad	PH Division, Palakkad	28	489.30

		PH Division, Shornur	2	5.50
9	Malappuram	PH Division, Malappuram	11	68.50
	Kozhikkode	PH Division, Kozhikkode	41	279.85
10	ROZIIIRKOGC	PH Division, Vadakara	29	228.85
11	Wayanad	PH Division, S. Bathery	14	330.00
12	Kannur	WS Division, Kannur	9	13.60
13	Kasaragod	PH Division, Kasaragod	70	215.95
		Total	582	4993.37

4.3.3 Repair & replacement of pump sets:

	Repair and replacement of pumpset/electrical installation					
Sl.No.	District	Division	No.	Amount Rs. In lakhs		
1	Trivandrum	PH Circle,Trivandrum	35	244.64		
2	Pathanamthitta	PH Division, Thiruvalla	21	126.60		
3	Alappuzha	PH Division, Alappuzha	27	167.00		
	Тиаррагиа	PH Division, Thiruvalla	2	4.25		
4	Kottayam	PH Division, Kottayam	17	78.14		
		PH Division, Thiruvalla	7	30.85		
5	Idukki	PH Division, Thodupuzha	3	15.00		
		PH Division, Muvattupuzha	10	34.50		
6	Ernakulam	WS Division, Kochi	16	38.80		
	Diffaktion	PH Division, Kochi	30	217.65		
		PH Division Aluva	17	56.60		
7	Thrissur	PH Division, Thrissur	27	231.78		

		PH Division, Irinjalakkuda	8	150.50
8	Palakkad	PH Division, Palakkad	13	91.50
		PH Division, Shornur	1	6.00
9	Malappuram	PH Division, Malappuram	1	185.00
10	Kozhikkode	PH Division, Kozhikkode	9	33.80
11	Wayanad	PH Division, S. Bathery	47	89.95
12	Kannur	WS Division, Kannur	21	39.95
13	Kasaragod	PH Division, Kasaragod	51	95.15
		Total	363	1937.66

4.3.4 Source improvement works:

	Source Improvements works				
Sl.No.	District	Division	No.	Amount Rs. In lakhs	
1	Trivandrum	PH Circle,Trivandrum	26	150.41	
2	Kollam	PH Division, Kollam	10	61.85	
	Pathanamthitta	PH Division, Pathanamthitta	18	606.00	
3	Pamanammina	PH Division, Thiruvalla	4	49.00	
	Alappuzha	PH Division, Thiruvalla	7	24.25	
4	тарр изпа	PH Division, Alappuzha	6	125.00	
	Kottayam	PH Division, Thiruvalla	11	61.10	
5	Rottayani	PH Division, Kottayam	12	13.05	
6	Idukki	PH Division, Thodupuzha	38	1021.00	
7	Ernakulam	PH Division, Muvattupuzha	9	125.00	

		WS Division, Kochi	2	2.50
		PH Division Aluva	21	53.45
	The mineran	PH Division ,Thrissur	1	20.80
8	Thrissur	PH Division Irinjalakkuda	1	12.00
	Palakkad	PH Division, Palakkad	10	97.00
9		PH Division, Shornur	31	121.95
10	Malappuram	PH Division, Malappuram	1	54.00
	Kozhikkode	PH Division, Kozhikkode	31	111.00
11		PH Division, Vadakara	23	165.35
12	Wayanad	PH Division, S. Bathery	33	295.05
13	Kannur	WS Division, Kannur	14	15.45
14	Kasaragod	PH Division, Kasaragod	45	175.30
		Total	354	3360.51

4.3.5 Check dam & temporary bunds:

Check dam / Temporary bund					
Sl.No.	District	Division	No.	Amount Rs. In lakhs	
1	Kollam	PH Division, Kollam	1	1.00	
2	Kottayam	PH Division Kottayam	3	23.75	
3	Palakkad	PH Division, Palakkad	4	115.00	
4	Malappuram	PH Division, Malappuram	11	57.00	
5	Wayanad	PH Division, S. Bathery	14	38.50	
6	Kannur	WS Division, Kannur	11	18.05	

7	Pathanamthitta	PH Division, Pathanamthitta	10	65.00
		Total	44	318.30

4.3.6 Desalination Plants:

Desalination Plant				
S1.No.	District	Division	No.	Amount Rs. In lakhs
1	Thrissur	PH Division, Thrissur	6	974.00
2	Thrissur	Project Division Nattika	1	20.00
3	Malappuram	PH Division, Malappuram	2	1500.00
		PH Division, Edappal	2	190.00
4	Kasaragod	PH Division, Kasaragod	5	500.00
	Kollam	Desalination plant at Astamudi(mobile) – 4 mld	5	2000.00
		Total	21	5184.00

4.3.7 Additional pumping & valve control:

	Additional pumping and valve control					
Sl.No.	District	Division	No.	Amount Rs. In lakhs		
1	Alappuzha	PH Division, Alappuzha	1	10.00		
2	Malappuram	PH Division, Malappuram	1	20.00		
3	Kozhikkode	PH Division, Kozhikkode	12	11.00		
		PH Division, Vadakara	26	19.24		
4	Wayanad	PH Division, S. Bathery	7	1.10		
		Total	47	61.34		

4.3.8 Mini WSS:

	Mini WSS				
Sl.No.	District	Division	No.	Amount Rs. In lakhs	
1	Trivandrum	PH Circle,Trivandrum	2	6.00	
2	Kollam	PH Division, Kollam	3	48.00	
3	Palakkad	PH Division, Palakkad	12	50.50	
4	Malappuram	PH Division, Edappal	43	643.00	
5	Kozhikkode	PH Division, Vadakara	8	267.00	
6	Pathanamthitta	PH Division, Pathanamthitta	4	67.00	
		Total	68	1081.50	

4.3.9 Renovation & improvement of existing schemes:

Rennovation/Improvements Of Existing Schemes				
Sl.No.	District	Division	No.	Amount Rs. In lakhs
1	Trivandrum	PH Circle,Trivandrum	1	118.80
2	Alappuzha	PH Division Alappuzha	2	30.00
3	Kottayam	PH Division, Thiruvalla	1	40.00
4	Palakkad	PH Division, Palakkad	1	110.00
5	Malappuram	PH Division, Edappal	4	110.00
6	Kozhikkode	PH Division, Kozhikkode	1	9.00
		PH Division, Vadakara	16	78.05
7	Wayanad	PH Division, S. Bathery	1	25.00
		Total	27	520.85

4.3.10 Purchase of pipe for maintenance:

	PURCHASE OF PIPE FOR MAINTENANCE					
Sl.No. District Division		Division	No.	Amount Rs. In lakhs		
1	Trivandrum	PH Circle,Trivandrum	5	52.75		
2	Alappuzha	PH Division, Alappuzha	1	35.00		
3	Malappuram	PH Division, Malappuram	1	15.00		
4	Kozhikkode	PH Division, Kozhikkode	2	10.00		
		PH Division, Vadakara	3	69.00		
5	Wayanad	PH Division, S. Bathery	1	15.00		
		Total	13	196.75		

4.3.11 Other category works:

Sl. No.	District	Division	Name of Work	No.	Amount In lakhs
		PH			
1	Trivandrum	Circle,Trivandrum	Interconnection work	14	92.60
2	Trivandrum	PH Circle,Trivandrum	Fixing of new valves and maintenance of valve chambers	12	63.39
3	Trivandrum	PH Circle,Trivandrum	Improvements to electrical system for TWSS in Aruvikkara - supply & fitting 6 no.s of soft starter for 250KW pumpsets in Raw & Clear water pump houses in 86 MLD plant at Aruvikkara	6	60.00
4	Kollam	PH Division, Kollam	QWSS - Interconnection and other Improvements with MS	1	1700.00
5	Pathanamthitta	PH Division, Thiruvalla	/ DI pipes Leak Rectification Works	11	38.75

	T				
	Alappuzha	PH Division, Alappuzha		1	75.00
	Kottayam	PH Division, Thiruvalla		2	6.00
	Kottayam	PH Division, Kottayam		1	23.60
			Total	15	143.35
6	Malappuram	PH Division, Malappuram	Providing KIOSKS	23	40.00
7	Malappuram	PH Division, Malappuram	Construction of Standalone schemes	13	441.50
0	Malappuram	PH Division, Malappuram	Installation of Voltage	1	50.00
8	Wayanad	PH Division, S. Bathery	Boosters	9	37.90
			Total	10	87.90
	Wayanad	PH Division, S. Bathery		6	57.00
9	Trivandrum	PH Circle,Trivandrum	Supply of water in Tanker Lorries	1	4.40
	Kozhikkode	PH Division, Kozhikkode		1	6.00
			Total	8	67.4
10	Wayanad	PH Division, S. Bathery	Construction of Stand- alone schemes in Tribal settlements	23	787.00
	Wayanad	PH Division, S. Bathery		1	5.00
11	Malappuram	PH Division, Malappuram	Awareness Campaign to reduce water use and misuse	1	10.00
	Alappuzha	PH Division, Alappuzha	mode	1	2.00
			Total	3	17.00
10	Wayanad	PH Division, S.	Providing Hotline from ARWSS Kaniyambetta to GLSR at Emily of UWSS to Kalpetta	1	100.00
12		Bathery	Municipality Ultrafilteration - Mobile	1	120.00
13			plant(One for each Region)	3	600.00
		Grand Total		132	4220.14

4.3.12 Replacement of old and damaged pipes:

REPLACEMENT OF OLD AND DAMAGED PIPES				
Sl.No	Name of District	NUMBER OF PROPOSALS	Amount in Lakhs	
1	KASARAGODE	40	138.80	
2	KANNUR	12	573.31	
3	KOZHIKKODE	40	1,377.00	
4	MALAPPURAM	38	7,349.00	
5	WAYANAD	41	2577	
6	PALAKKAD	6	553.97	
7	THRISSUR	41	3,108.45	
8	ERNAKULAM	277	18916.56	
9	KOTTAYAM	82	5880.00	
10	IDUKKI	33	4,181.30	
11	KOLLAM	39	7599.00	
12	THIRUVANANTHAPURAM	107	4099.00	
	TOTAL	756	56353.39	

4.3.13 Replacement of pump sets

S1 No	Name of divisions	Pumps (in lakhs)	Electrificatio n and allied works (in lakhs)	Grand Total (in lakhs)
1	P.H. DIVISION,	52.56	NIL	52.56
	THIRUVANANTHAPURAM			
2	S.D,	NIL	NIL	NIL
	THIRUVANANTHAPURAM			
3	H.W. DIVISION,	197	80.5	277.5
	ARUVIKKARA			

4	W.S. DIVISION,	775.33	83.15	858.48
	NEYYATTINKARA			
5	W.S. DIVISON, ATTINGAL	258.87	NIL	258.87
6	P.H. DIVISION, KOLLAM	983.31	157.9	1141.2
				1
7	P.H. DIVISION,	415.06	53.1	468.16
	PATHANAMTHITTA			
8	P.H. DIVISION, THIRUVALLA	345.5	123	468.5
9	P.H. DIVISION, KOTTAYAM	292.07	68.25	360.32
10	P.H. DIVISION, ALAPUZHA	119.11	NIL	119.11
11	W.S. DIVISION, KOCHI	224.87	210	434.87
12	P.H. DIVISION, KOCHI	175.21	NIL	175.21
13	P.H. DIVISION, ALUVA	333.82	43.58	377.4
14	P.H. DIVISION,	512.02	71.45	583.47
	THODUPUZHA			
15	P.H. DIVISION,	449.6	66.65	516.25
	MOOVATUPUZHA			
16	P.H. DIVISION,	335.61	23	358.61
	IRINJALAKUDA			
17	P.H. DIVISION, THRISSOOR	551.12	75.6	626.72
18	P.H. DIVISION, EDAPPAL	179.69	110.8	290.49
19	P.H. DIVISION, KOZHIKODE	112	37	149.00
20	P.H. DIVISION,	826.11	127.25	953.36
	MALAPPURAM			
21	P.H. DIVISION, VATAKARA	169.5	33.4	203.00
22	P.H. DIVISION, SULTHAN	637.86	70	707.87
	BATHERY			
23	P.H. DIVISION, PALAKKAD	106	20	126.00
24	P.H. DIVISION,	174.59	7.5	182.09
	SHORUNOOR			
25	P.H. DIVISION, KANNOOR	339.46	NIL	339.46
26	P.H. DIVISION, KASARAGOD	96.25	10	106.25
	GRAND TOTAL	8662.52	1472.23	10134.76

4.4 Relief measures in Agriculture & Horticulture Sector

4.4.1 Paddy

The deficiency in rainfall has adversely affected the rice growing districts such as Palackad, Alappuzha, Kottayam, Thrissur and Malappuram where deficiency was more than 50%. This has resulted in reduction of area of transplantation by 30% compared to previous years. As transplanting has been delayed, transplanting of over aged seedlings will affect the crop yield. Paddy is the major crop affected in the drought that witnessed considerable reduction in area in a;lmost all districts.

Paddy area Virippu 2012 compared to Virippu 2011

Districts	2011	2012	Crop	
	Virippu (ha)	Virippu (ha)	compens	sation
			required	
			ha	Rs.
,-				(lakhs)
Thiruvananthapuram	1510	592	1200	120
Kollam	1217	561	900	90
Pathanamthitta	217	93	150	15
Alappuzha	11831	12403	2520	252
Kottayam	6200	6200	3000	300
Idukki	916	420	600	60
Ernakulam	2650	1830	1500	150
Pokkali cultivation	1155	1040		
Thrissur	3992	2711	1800	180
Palakkad	51032	50024	22300	2230
Malapuram	2643	2415	1510	151
Kozhikide	277	235	200	20
Wayanad	10955	9820	400	40
Kannur	3300	3300	1800	180
Kasargod	3568	3568	1300	130
Total	101463	95212		3918

In general the Virippu crop has been delayed. The dry spell along with increase in temperature will also cause a significant decrease in productivity. The rice productivity will be severely affected due to the dry condition coupled with high temperature during the critical stage of tiller initiation. Further yield reduction is estimated as the dry spell and scanty rainfall will be continued during the pinacle initiation stage. It is estimated that that there could be 35-40% decline in the rice productivity in the State.

Another problem faced by many of the districts is the high acidity in the paddy fields due to the decrease in rainfall. It is alarming to note that if sufficient rain is not received within two weeks, the whole 'Pokkali' cultivation in Eranakulam District will be destroyed. Excessive weed growth is also reported in

many districts due to the scarcity of water. Further, the delayed first crop will delay the second crop also.

4.4.2 Coconut

Moisture stress is felt in all the districts with low fertilizer consumption result in button shedding and immature nut fall. An yield reduction of 20% is expected in the next 3 years. An area of 465,320 ha is affected by drought and the loss is estimated as Rs. 2442.93 Lakhs.

4.4.3 Banana

The dry spell has resulted in splitting of banana stem and reduction in bunch size in an area of 11,000 Ha. The estimated loss comes to Rs. 9075 Lakhs.

4.4.5 Pepper

Erratic berry setting and shortened spike length are noticed. 25 to 35 % reduction in yield is expected owing to deficit rainfall. 6300 Ha affected in Wayanad and Idukki Districts. The loss suffered by farmers is Rs. 1764 Lakhs.

4.4.6 Vegetables

The rainfall deficit has affected the vegetable crops to a considerable extent, especially the cool season vegetables cultivated in 1490 ha of Idukki District. If the dry spell continues 100 Ha of standing crops – carrot and potato will be damaged in Idukki district. There is considerable reduction in vegetable area as the rain fall has been delayed. The loss is estimated to be Rs. 10 crores.

Abstract of loss in Agriculture Sector: Estimated compensation for crop loss – Rs. 181.9993 crores Total area affected – 521900 Ha

4.5 Relief measures in Animal Husbandry Sector

The Animal Husbandry Department is monitoring the availability of fodder, fodder prices, fodder cultivation, availability of water for fodder cultivation etc. in the State.

The following Drought relief measures are being organized:

- Increasing supply of fodder by redeployment of fodder from surplus districts.
- Farms to get surplus fodder.
- Fodder cultivation encouraged and incentives provided through Government schemes.

- Fodder depots set up and the prices fixed at levels, which farmers can buy.
- Cattle camps set up through the Government, NGOs and cooperative societies.
- Water supply arranged for cattle camps.
- Vaccination and other health measures organized for cattle.

Estimated Expenditure - Rs. 10,00,00,000.00

CHAPTER V

DROUGHT MITIGATION ACTIVITIES (SHORT TERM)

5.1 Health and Hygiene, and Awareness Programmes

An important objective of the Government's intervention is to provide necessary support for maintaining health and hygiene standards of the drought affected people. Necessary precautions will be taken to prevent the spread of any water-borne epidemic and other infectious diseases.

The following steps for maintaining health and hygiene in drought-affected areas will be undertaken:

- The State public health department will undertake a campaign for disinfecting all drinking water sources with disinfectants such as chlorine and potassium permanganate. It is also necessary to train the community in disinfecting water and checking its quality for the purpose of drinking.
- The State water supply department will conduct a regular surveillance of all the drinking water sources in the drought-affected areas.
- The State Disaster Management Authority will take a special campaign for providing clean drinking water in those areas which are affected by arsenic and fluoride contamination.
- The State public health department will maintain sufficient stock of chlorine and other disinfectants in the drought-affected areas.
- A public health campaign will be organized by State Disaster Management Authority for immunizing and inoculating the entire population against likely diseases such as typhoid and cholera.
- Mobile health teams will be organized for visiting all public work programmes such as MNREGA. Doctors and medical interns from urban areas need to be organized in teams for visiting these public work areas for medical check-ups and immunization.
- The State public health department will organize medical camps for villages and communities affected by severe droughts. People need to be checked for infections and vitamin deficiencies and treated for night blindness and other ailments.

Estimated Expenditure - Rs. 5,00,00,000.00

5.2 Mitigation Activities by Irrigation Department

Even though the State of Kerala is blessed with 44 rivers, the rivers are small, whether considered in terms of length, breadth or annual stream flow. Out of the total rivers of Kerala, Chaliyar, Bharathapuzha, Periyar, and Pamba are relatively medium rivers, each more than 160 Km long. Even though the average annual rain fall in Kerala is the highest among the states of India of the order of 3055 mm, most of the rain water flows to the sea is unharnessed due to the steep terrain and rivers play a great role in carrying the flood flows to the sea.

The rivers of Kerala are too small that even the largest of them cannot find a place among the major Indian rivers. The largest river of Kerala, the Periyar has a catchment area of only less than 8% of the catchment area of the river Cauvery, which itself is considered to be a small river in India. The rivers flow fast, because of the hilly nature of the terrain and the short distance between the mountains and the sea. The rivers of Kerala have no deltas. Because of the small size, these rivers are more susceptible to environmental onslaughts.

In recent years the State is facing a trend of decreasing rainfall especially in the extreme Southern districts like the capital city of Thiruvananthapuram. The entire State will be experiencing incidence of drought in the coming months primarily due to weather anomalies and detrimental anthropogenic activities and land use practices. Also the annual rainfall especially in South Kerala is found decreasing. The State experiences seasonal drought every year during the summer. The summer water scarcity arises even in the years of normal rainfall. The decreasing rainfall over the State, late onset of monsoon and break in the monsoon rains may lead to drought situations in the State. This may adversely and directly affect the agriculture/cultivation of crops, acute water shortage which may even lead to famine. The change in the rainfall pattern, changes in the land and water management practices catalyzed with the special topographic features of the State is reducing the fresh water availability of the State during the summer season.

Droughts will have large dimension of social, economic and environmental impacts. Most of the irrigation projects in our State were constructed over a period of 30 years and these require constant maintenance and repairs for the effective functioning and optimum utilization of the water resources. Also, it is found necessary to concentrate on small and medium irrigation schemes since

taking up and implementation of major irrigation projects is found to be practically difficult due to environment and land acquisition problems. In order to prevent severe drought in the State, first of all it is necessary to increase the existing storage capacity of the reservoirs in order to accumulate the monsoon water. For this it is necessary to carry out the revamping of the major and medium irrigation projects in the State including the de-silting of the reservoirs.

Dams, in general, were constructed to store the water in the rainy season and to release it in a controlled manner for irrigation, water supply and power generation. Construction of small dams/check dams for monsoon storage, raising of storage level of existing dams to accommodate more water and de-silting of existing dams to increase storage capacity can be effectively carried out to face acute water shortage in the State. Removal of silt and sediments from the reservoirs will help to accommodate excess water during monsoon seasons for controlling floods and to utilize this excess storage during the summer months.

Also construction of check dams/partially submerged barriers can be constructed in the river course at various places for storing excess water than required for irrigation purposes.

The role of minor irrigation is quite significant and it occupies a prominent position in the Irrigation map of Kerala, due to its advantages over the other types of Irrigation. At present the irrigation department has 436 lift irrigation schemes under its control. All these LI Schemes has been taken up for a total revamping during the 11th Plan period under State's Plan and Non Plan funds. The 442 LI Schemes taken together has 42,848 ha of paddy fields as its ayacut. As these LI Schemes are solely depend on electrical energy for its pumping operations. The revamping work taken up during the 11th Plan period was mainly concentrated on the replacement and repair of the mechanical and electrical works connected with the Lift Irrigation Schemes. In addition the structures at the head works including pump house were also taken up for revamping. But due to the paucity of funds the distribution system of many of these L I Schemes could not be taken up for revamping. Majority of the canal system are in dilapidated condition and are in urgent need of repairs. The distribution system of the LI schemes is to be rectified in order to effectively distribute the water to the agriculture land during summer/water shortage periods.

Tanks have been the main source of irrigation in many parts of Kerala for centuries. The hydrological characteristic of the monsoon in Kerala necessitated the creation of storage facilities to hold the monsoon rainwater and utilize it later. With extraordinary engineering, managerial, and social skills, an extensive system of rainwater harvesting structures comprising of tanks and ponds had been built and maintained by the people for centuries. Many of these multiple use structures were the nerve centers for sustenance and livelihood of the rural communities. The tank rehabilitation had been aimed to increase agricultural production. The pond is recognized as having at least four different functions in irrigated agriculture - water conservation, soil conservation, flood control and protection of ecology of the surrounding area. The State will have to face acute water shortage and drought during the rest of the year and in the succeeding year and hence the storage capacity of the tanks and ponds are to be increased by removal of accumulated silt. The Irrigation Department has evolved the following short term mitigation measures to tackle the drought situation in the State.

5.2.1 Short term Mitigation activities

Short term measures for mitigation of drought situation in Kerala August 2012					
Sl.No.	Name of Division	Number of works	Estimate amount Rs. in Lakhs	Nature of work	
1	Minor Irrigation Division, Thiruvananthapuram	16	86.00	Temporary check dams	
2	Minor Irrigation Division, Kollam	39	201.00	desilting of ponds, chal, tank	
3	Minor Irrigation Division, Pathanamthitta	13	26.50	temporary bunds, improvements to ponds	
4	Minor Irrigation Division, Kottayam	4	8.00	temporary check dams	
5	Minor Irrigation Division, Ernakulam	2	60.00	temporary check dams	
6	Minor Irrigation Division, Idukki	119	49.10	temporary check dams, salt water extrusion sluice	

7	Minor Irrigation Division, Palakkad	23	64.70	Temporary check dams
				Temporary check bunds, leading
8	Minor Irrigation Division, Thrissur	40	327.62	channel, salt water extrusion sluice
9	Minor Irrigation Division, Malappuram	16	31.60	Temporary check dams
10	Minor Irrigation Division, Kozhikode	8	17.50	Temporary check dams
11	Minor Irrigation Division, Kannur	121	85.97	Temporary bunds
12	Irrigation Division, Kasaragod	13	42.00	Temporary check dams
13	Irrigation Division, Ernakulam	15	216.00	Temporary check dams
14	Addl. Irrigation Division, Thrissur	6	16.75	Temporary check bund
15	Irrigation Division, Malappuram	14	67.00	Temporary check dams
16	Irrigation Division, Thrissur	4	6.00	Temporary check dams
	Total	453	1305.74	

5.3 Short Term Mitigation Activities by Ground Water Department

5.3.1 Micro Water Supply Schemes by Ground Water Department

These are schemes providing safe and assured drinking water in many areas, where acute drinking water scarcity is felt. The Department make use of borewells as well as tubewells having sufficient yield for implementing these schemes. On completion, these schemes will be handed over to the beneficiaries for successive running.

235 schemes amounting to a total of Rs.2,553 lakhs are proposed. The schemes will provide assured safe drinking water to 30,000 people.

District-wise split up is given below.

S1. No	District	No. of Schemes	Rate	Estimate Amount (Rs.)
1	Thiruvananthapuram	20	700000	1,40,00,000
2	Kollam	15	1250000	1,87,50,000

3	Alappuzha	15	1250000	1,87,50,000
4	Pathanamthitta	15	700000	1,87,50,000
5	Kottayam	40	700000	2,80,00,000
6	Idukki	10	700000	70,00,000
7	Ernakulam	15	700000	1,87,50,000
8	Thrissur	15	700000	1,87,50,000
9	Palakkad	15	700000	1,87,50,000
10	Malappuram	15	700000	1,87,50,000
11	Wayanad	15	700000	1,87,50,000
12	Kozhikod	15	700000	1,87,50,000
13	Kannur	15	700000	1,87,50,000
14	Kasaragod	15	700000	1,87,50,000
	Total	235		25,52,50,000

5.3.2 Renovation of existing Micro Water Supply Scheme

Some of the Micro Water Supply Schemes completed during the last 10 years are defunct due to repairs. These were completed by the department and in long run became defunct. But due to financial burden, the beneficiaries solely depending on these could not meet the repair charges. By renovating such defunct schemes, drinking water problems in those areas can be tackled.

The details of such 18 defunct schemes show that as per the estimates, Rs.11 lakhs is required for renovation of the schemes.

District wise split up is given below.

S1.No	District	No.of Schemes	Estimate Amount
1	Thiruvananthapuram	10	15,00,000
3	Alappuzha	1	1,50,000

7	Ernakulam	1	24,600
14	Kasaragod	12	6,00,000
	Total	18	10,79,600

5.3.3 Artificial Recharge Schemes

Artificial recharge is a means of augmenting the natural infiltration of surface water into a groundwater reservoir at a rate that vastly exceeds the rate in which it would occur naturally by modifying the natural movement of surface water /sub surface water by designing and constructing suitable civil construction techniques.

Artificial groundwater recharge techniques have been used throughout the world for more than 200 years for a variety of purposes. Advantages of artificial recharge are given below: Groundwater management

- * Reduction of land subsidence
- Renovation of waste water
- Improvement of groundwater quality
- Storage of stream waters
- * Reduction of flood flows
- Increased well yield
- Less dependence on water supply schemes
- * Reduction of salt water intrusion
- Increased stream flow.

Artificial recharge is extensively used to control seawater intrusion in coastal areas of Australia, the Netherlands, Israel, Morocco, Senegal, Japan and the United States. In Japan artificial recharge is also being practiced to reduce land subsidence in areas of excessive pumping and in Rumania, Bulgaria and France, it is used to supplement irrigation water obtained from groundwater sources.

Considerations and methods

The type of artificial recharge system that can be developed at any specific site is controlled by the Geologic and hydrologic conditions that exist at that site. Site selection criteria, in addition to economic consideration should include at least the following.

- Source of recharge water
- Chemical and physical characteristic of recharge water
- Availability of an aquifer suitable for artificial recharge
- Thickness and permeability of the material overlying the aquifer
- Thickness and permeability of the aquifer
- Chemical characteristics of water in the aquifer
- Proximity of the potential recharge site to an appropriate well field cone of depression
- ❖ Water level differences between aquifer and the recharge site
- Topography

Availability of water, either on a perennial or intermittent basis is of prime concern in any recharge operation. The chemical and physical characteristics of the recharge water are important. It should be chemically compatible with the water available in the aquifer and should not contain toxic chemicals. The recharge water should be low in sediments otherwise the fine-grained materials may rapidly plug a recharge system. Industrial areas should be avoided if possible because of the possibility of contamination.

These are the most dependable structures to tackle the water scarcity at present and future. Hence proposal for 2122 schemes amounting to Rs. 1909 Lakhs is submitted.

District wise split up is given in below.

Proposed Recharge Technique	Thiruvanthapuram	Kollam	Idukki	Pathanamthitta	Alapuzha	Kottayam	Ernakulam	Thrissur	Palakkad	Malappuram	Kozhikkode	Wayanad	Kannur	Kasaragod	Total recharge structures	Total finacial outlay (lakhs)
Recharge through pits	30 0	20 0	5 0	5 0	2 5	5 0	15 0	4 0	35 0	4 4	5 5	25 0	7 5	5 0	168 9	126.68
Pond Development	5	4	3	2	2	2	4	6	9	2	2	1	2	2	46	276.00
Vented Cross Bars	5	2	1 0	2	4	4	6	8	12	4	4	3	6	9	79	474.00
Subsurface Dykes	1		3						6	4	1		2	2	19	190.00
Checkdams	4	1	2	1	1	1	1	4	6	3	2	1	2	2	31	248.00
Rain Water Harvesting Storage and Recharge	5	10	8	8	1 0	2	12	6	12	8	8	5	5	1 0	109	299.75
Drainage Line Treatment like Gully plugs,Gabbion structures etc	4	4	6	3	4	4	4	6	12	8	6	4	5	6	76	76.00
Percolation tank	3	3	3	3	3	3	6	4	10	4	6	8	8	9	73	219.00
Total estimate for the recharge structure															212 2	1909. 43

5.3.4 Hand Pump Repair

In Kerala about 27,000 borewells are fitted with hand pumps in the rural areas where acute drinking water scarcity is felt. Due to prolonged use, nearly 1,500 hand pumps require repairs yearly.

An average Rs. 6,325/- is required for repairing each hand pumps and the estimated cost is Rs. 99 Lakhs. As a short-term measure this will effectively provide drinking water to people in acute water scarce areas, having no other source of water benefiting about 70,000 people.

District wise split up of hand pumps to be repaired is given below.

S1.No	District	No. of Hand Pumps	Estimate Amount	Total			
1	Thiruvananthapuram	300	6325	18,97,500			
2	Kollam	100	6325	6,32,500			
3	Pathanamthitta	100	6325	6,32,500			
4	Idukki	255	6325	16,12,875			
5	Ernakulam	100	6325	6,32,500			
6	Malappuram	200	6325	12,65,000			
7	Kozhikode	53	6325	3,35,225			
8	Kannur	100	6325	6,32,500			
9	Kasaragode	355	6325	22,45,375			
	Total	1563	6325	98,85,975			

5.4 Short Term Mitigation Measures in Agriculture Sector

1. Seed:

Due to the scarcity of rainfall in the catchment areas, the quantity of water strored in major dams in the State is very low, and hence it is necessary to use short duration varieties for second crop of paddy. For this, 8000 MT of short duration varieties will be arranged amounting to **Rs.20 crores**.

2. Fertilizer:

In order to boost the standing crop, is it suggested to provide fertilizer for top dressing during the panicle initiation stage. For this 2475 MT of Urea and 835 MT of Potash has to be arranged **Rs.267 lakhs**.

3. Alternative crop:

In the event of continuous failure of monsoon during the season, the chance for raising paddy crop in rabi season will also be very difficult. In order to overcome this, alternative crop with less water requirement like ragi is suggested in an area of 2000 ha. Pulses crop can also be included wherever possible. The financial commitment comes to **Rs. 3 crores.**

4. Requirement of diesel subsidy:

Eventhough electric motors are used for irrigation purposes in general, diesel pumpsets are also in use in the State. The total number of diesel pumpsets used in the State for irrigation purpose is about 1000 nos. In order to irrigate the crop using these pumpsets for an approximate period

of 120 days this year, diesel subsidy is suggested. An amount of **Rs.250** lakhs will be required for the purpose.

5. Credit requirement:

Due to delayed monsoon yield reduction is anticipated in majority of the crops to the tune of 30-40%. In order to pacify the situation it is suggested that interest of loans availed by farmers be waived for the already availed loans and interest free loan be made available to the farming community for the ensuing rabi season. It is estimated that an amount of **Rs.200 lakhs** will be required to meet the interest portion(7%) of the Agriculture short term loan availed by the farmers.

The total anticipated financial implication for the above drought mitigating measures is Rs. 30.17 crores.