

# Drought - Situation Assessment Report, 2016

(1<sup>st</sup> June – 30<sup>th</sup> September, 2016)

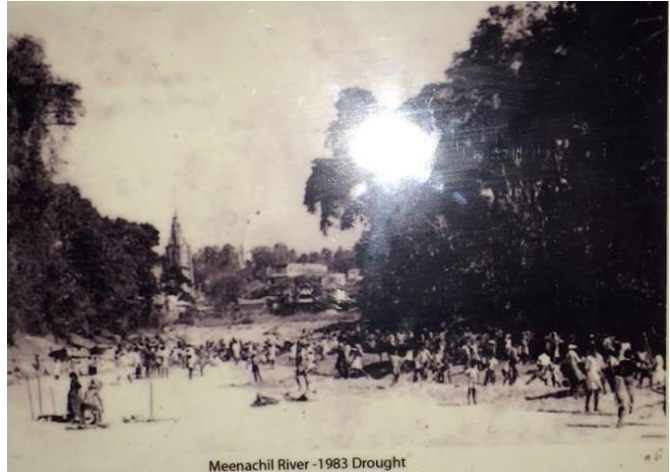


*Towards a Safer State...*

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# 1. Drought proneness of Kerala as in the State Disaster Management Plan 2016

The State of Kerala experiences seasonal drought like conditions every year during the summer months (KSCSTE, 2007). Even in the years of normal rainfall, summer water scarcity problems are severe in the midland and highland regions. With the implementation of a number of irrigation projects, the idea of drought in Kerala slowly shifted to unirrigated paddy, and upland crops. The water scarcity in summer is mainly reflected in dry rivers and lowering of water table. This adversely affects the rural and urban drinking water supply.



In the period 1881 to 2000, Kerala experienced 66 drought years. It is noticed that aridity index of different parts of the state has increased which is an indication of increase in the frequency of drought years.

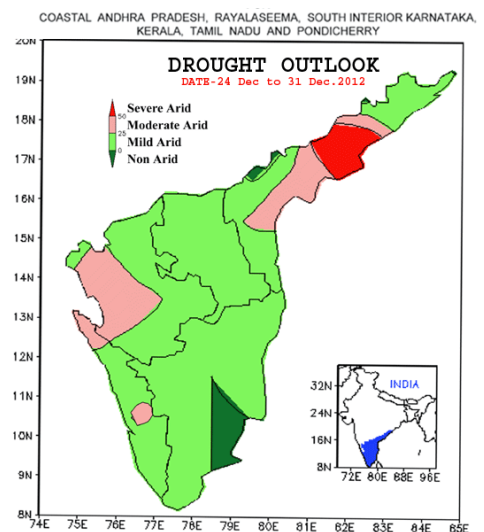
The changes in the land and water management practices affected the fresh water availability during summer months. Although the deviation in the annual rainfall received in Kerala, in any year from the long term average is very small, there is considerable variation in the rainfall availability during the different seasons.

About 95% of annual rainfall is confined to a six-month monsoon period between June and November, leaving the remaining six months as practically dry. The trend analysis on rainfall data over the last 100 years reveals that there is significant (99%) decreasing trend in most of the regions of Kerala especially

in the month of January, July and November (Nair et al., 2014). Figure 8 shows the drought susceptibility of Kerala. Drought classification was done based on the criteria followed by Indian Meteorological Department (IMD) for meteorological drought classification. Standardized precipitation index, ground water deviation from 5 year mean, MODIS-NDVI and presence of perennial water sources in a given village was considered in a heuristic model for the preparation of the map.

The map indicates that in a given season, if the rainfall deficit is:

- >10%, the area demarcated as severe drought will start experiencing drinking water shortage
- >26%, the area demarcated as moderate drought will start experiencing drinking water shortage



- >50%, the area demarcated as slight drought areas will start experiencing drinking water shortage

In the recent past, until 2012, the state had not experienced severe meteorological, agricultural and hydrological drought. A 29% deficit in the monsoon season (June to December) in 2012 lead to agricultural and hydrological drought which peaked during the period August 2012 to May 2013. For the first time, Kerala was mapped as mild to moderately arid by Indian Meteorological Department in December 2012. Prior to this, official declaration of drought had happened in March 2010 and December 2003. In 2010, 17 taluks of the state were declared as drought affected while in 2003, 7 districts, 7 taluks and 119 villages were declared as drought hit. Other known meteorological drought years were 1983, 1986, 1987, 1992, 1997, 1998, 2002 and 2004. Figure 6 shows the village wise vulnerability to drought of the state. Table below shows the number villages that are prone to drought, in the State with and without perennial waterbodies. The villages without perennial water bodies should be given first priority when undertaking drought risk reduction and response measures.

District	Number of villages without WB			Number of villages with WB		
	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

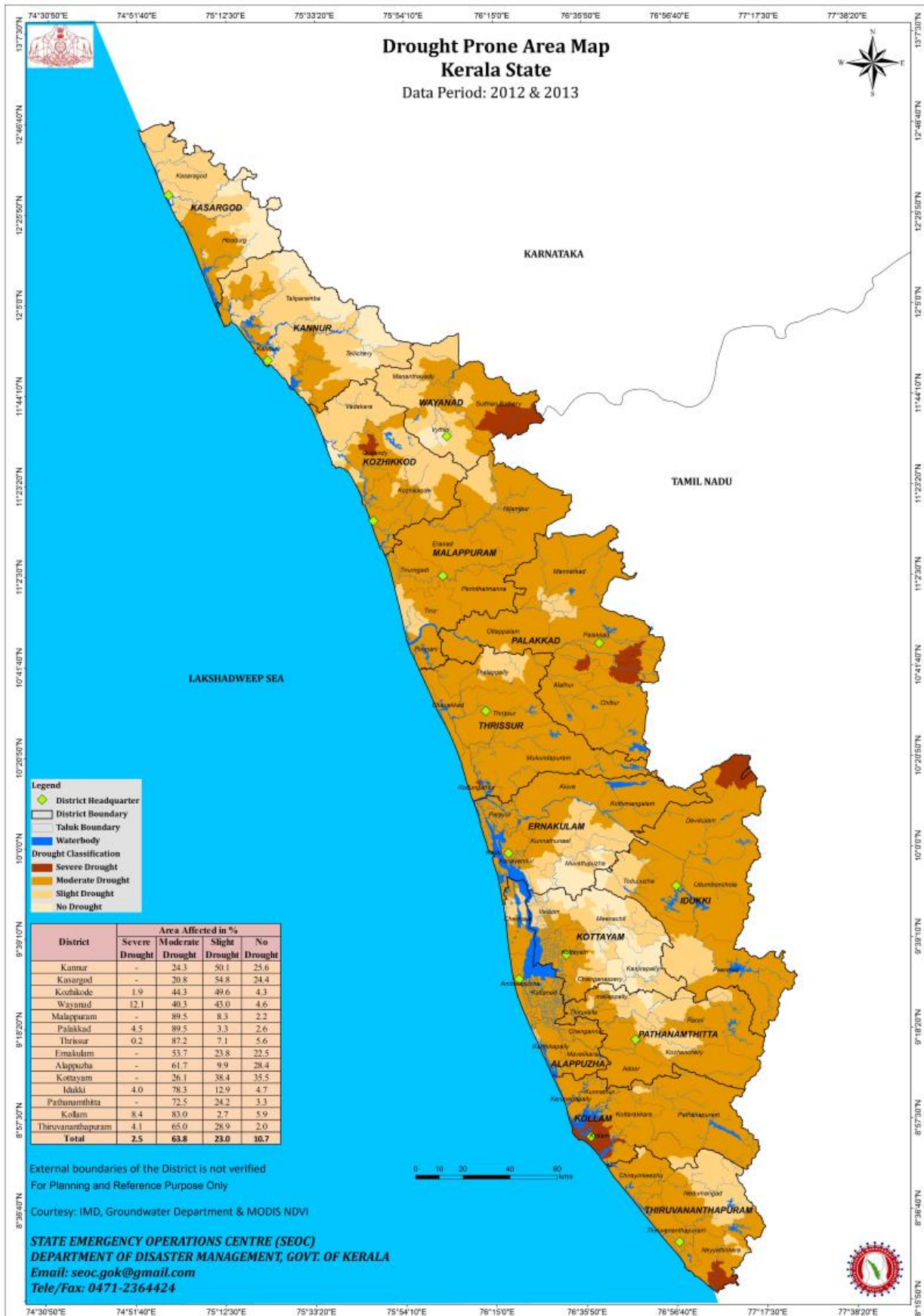
WB: Water Bodies

Anathodu Reservoir, August 2012



Based on the analysis, it is evident that more than 50% of the land area of the state is moderately to severely drought susceptible. Drought is principally drinking water shortage. Water usage characteristics 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 increases the vulnerability of the State to drought, particularly hydrological drought.

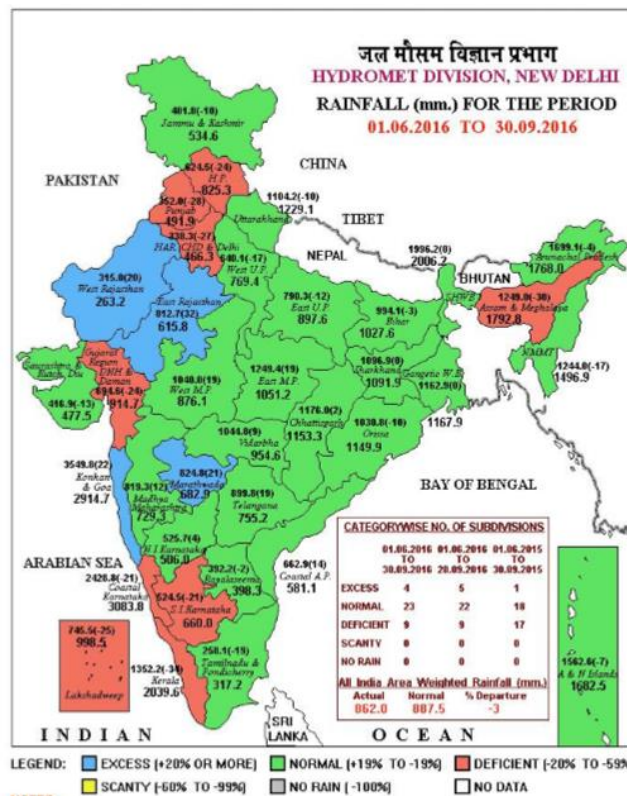
Susceptible area as % area of the state's total area	<ul style="list-style-type: none"> <li>• Severe drought: 2.5%</li> <li>• Moderate drought: 63.8%</li> <li>• Slight drought: 23%</li> <li>• No drought: 10.7%</li> </ul>
Major drought in the last 20 years	Drought 2012-13; The State Government had to officially declare drought in all 14 districts. An amount of ₹132.3 crs was expended by the state during the period from 2012 to 2014 for tackling the consequences of this drought directly from the National/State Disaster Response Fund. Indirect costs of the drought spell still remain unaccounted.





## 2. Post South West Monsoon Situation of 2016

Indian Meteorological Department declared the onset of monsoon of 2016 on 5<sup>th</sup> June. IMD in its first stage forecast of the South-West monsoon issued on 12<sup>th</sup> April, 2016 predicted 30% probability of the monsoon rainfall to be normal (96 - 104% of long period average). In its press release dated 2<sup>nd</sup> June, 2016 IMD has reported that rainfall over the country as whole is most likely to be above normal (>104% to 110% of long period average). Figure: 1 shows the national rainfall map for the period from 1<sup>st</sup> June to 30<sup>th</sup> September, 2016 published by IMD (Weekly Press Release, IMD, 1<sup>st</sup> October, 2016).



Expected rainfall from 1<sup>st</sup> June to 30<sup>st</sup> September, 2016 for Kerala was 2039.6 mm while actual rainfall was only 1352.2 mm with -34% departure. This demanded a detailed investigation of the rainfall characteristics of Kerala.

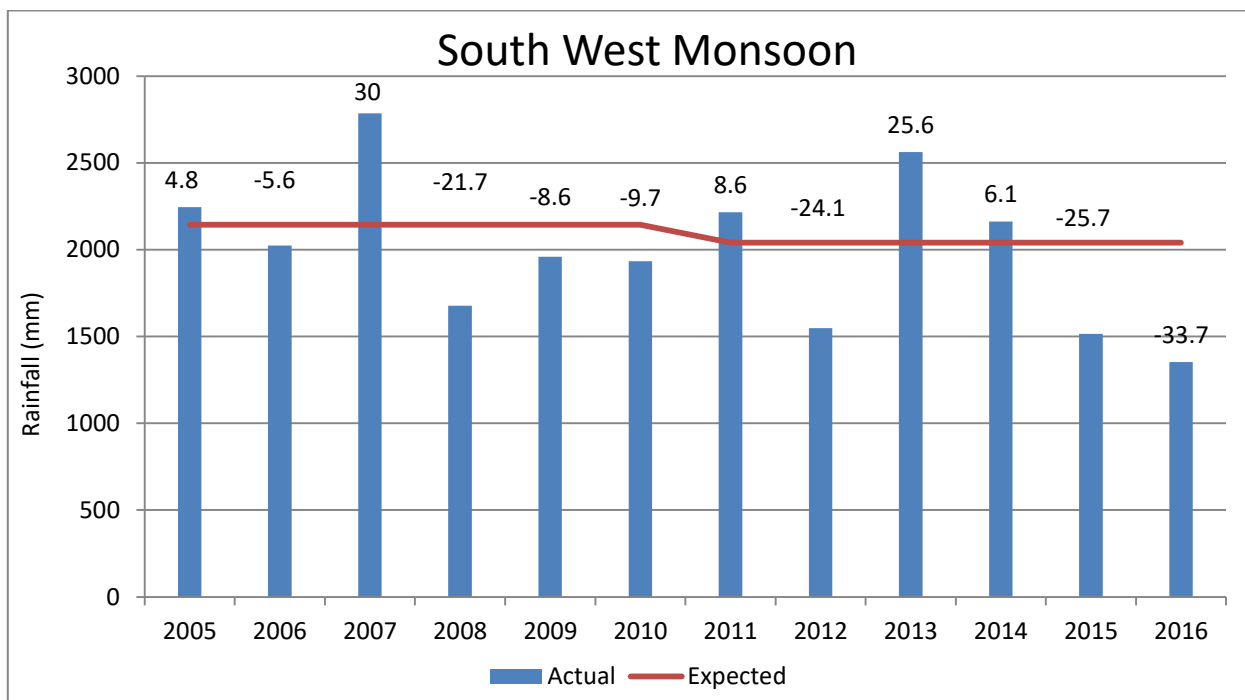
IMD's criteria for rainfall deficiency are:

- Deficient year: 10% deficit spread over 20 to 40 of the region
- Above normal: >10% of Long Period Average
- Below normal: <10% of Long Period Average
- Normal:  $\pm$ 10% of Long Period Average

Following IMD's classification and the daily rainfall data collected by IMD as part of its Integrated Agricultural Data Platform (IADP), the rainfall deficit and actual rainfall received from 1<sup>st</sup> June to 30<sup>th</sup> September was mapped. Data from 79 rain gauges were used for the analysis.

## 2.1. Rainfall

Figure 2 shows the rainfall of South West Monsoon from 2005 onwards.



Kerala faced severe drought conditions in 2012 during which the reported departure of South West Monsoon Rainfall was -24.1%. Although south west monsoon rainfall in 2015 was -25.7% lower than normal, the North East Monsoon rainfall had compensated for this deficit.

Rainfall of March, April and May 2016 was 313 mm and was widely spread across the state. IMD issued the north east monsoon (October, November and December) rainfall predictions on 21<sup>st</sup> September 2016. The prognosis is that the season will receive 90 to 100% (normal) of the expected rainfall.

Table 1 shows the rain gauges used and the data used. Figure 3 shows the district wise rainfall departure from 1<sup>st</sup> June to 30<sup>th</sup> September, 2016 and Figure 4 shows the spatial pattern of rainfall departure interpolated using Inverse Distance Weighting (IDW) method.

Table 1: Actual rainfall (mm), Received (mm), Departure (%) - 1<sup>st</sup> June to 30<sup>th</sup> September, 2016

Sl. No	DISTRICT	STATION NAME	Sum	Normal	Dep
1	Kasaragode (KSG)	Hosdurg (HSD)	2182.2	1745.9	24.99
2		Kasaragod (KSG)	Data Not Available		
3		Kudlu (KDU)	2270	1745.9	30.02
4	Kannur (KNR)	Irikkur (IRK)	1976.45	2669	-25.95
5		Kannur (KNR)	2000.5	2669	-25.05
6		Taliparamba (TPA)	2302.75	2669	-13.72

7		Thalassery (TLY)	1799.55	2669	-32.58	
8		Cheruthazham (CTM)	1879.75	2669	-29.57	
9		Mattanur (MTR)	1613.75	2669	-39.54	
10	<b>Kozhikode (KZK)</b>	Kozhikode (KZK)	1412.7	2065	-31.59	
11		Quilandy (QLY)	1410.9	2065	-31.68	
12		Vadakara (VKA)	2438.15	2065	18.07	
13	<b>Wayanad (WYD)</b>	Ambalavayal (AML)	915.85	2276.2	-59.76	
14		Kuppady (KDY)	693.8	2276.2	-69.52	
15		Mananthavady (MNT)	1531.3	2276.2	-32.73	
16		Vyttiri (VYT)	1902.05	2276.2	-16.44	
17		Pookot (PKT)	23.8	2276.2	-98.95	
18	<b>Malappuram (MLP)</b>	Angadippuram (AGP)	939.9	3007.5	-68.75	
19		Karipur AP (KRP AP)	1464.05	3007.5	-51.32	
20		Manjeri (MJI)	1251.6	3007.5	-58.38	
21		Nilambur (NBR)	999.1	3007.5	-66.78	
22		Perinthalmanna (PMN)	1305.65	3007.5	-56.59	
23		Ponnani (PNI)	1239.45	3007.5	-58.79	
24	<b>Palakkad (PLK)</b>	Alathur (ALR)	893.45	1332.3	-32.94	
25		Chittur (CHT)	598.1	1332.3	-55.11	
26		Kollengode (KLG)	897.2	1332.3	-32.66	
27		Mannarkad (MKD)	1245.75	1332.3	-6.50	
28		Ottappalam (OPM)	1507.5	1332.3	13.15	
29		Palakkad (PLK)	1157.775	1332.3	-13.10	
30		Parambikulam (PRK)	410	1332.3	-69.23	
31		Pattambi (PTB)	1005.2	1332.3	-24.55	
32		Thrithala (TRL)	991.575	1332.3	-25.57	
33			Erimayur (EYR)	Data Not Available		
34	<b>Thrissur (TRC)</b>	Chalakudy (CLY)	1178.5	1897.3	-37.89	
35		Enamackel (ENM)	1239.85	1897.3	-34.65	
36		Irinjalakuda (IJK)	1152.7	1897.3	-39.25	
37		Kodungallur (KDG)	1231.325	1897.3	-35.10	
38		Kunnamkulam (KKM)	830.05	1897.3	-56.25	
39			Thrissur	Data Not Available		
40			Vadakkancherry (VDC)	1240.8	1897.3	-34.60
41			Vellanikkara (VLK)	1333.775	1897.3	-29.70
42			Vynthala (VTL)	11.25	1897.3	-99.41
43	<b>Ernakulam (EKM)</b>	Aluva (ALU)	1293.8	2603.1	-50.30	
44		Ernakulam South (ERS)	1468.55	2603.1	-43.58	
45		C.I.A.L. Kochi (CIAL)	1293.05	2603.1	-50.33	
46		NAS Kochi (KCHI AP)	1200.45	2603.1	-53.88	
47		Paravur (PVR)	4.5	2603.1	-99.83	
48		Perumbavur (PBR)	1510.225	2603.1	-41.98	
49		Piravom (PRV)	2359.5	2603.1	-9.36	
50	<b>Alappuzha (ALP)</b>	Alappuzha (ALP)	1635.825	2060.4	-20.61	
51		Chengannur (CGR)	875.1	2060.4	-57.53	
52		Cherthala (CRL)	1267.35	2060.4	-38.49	



53		Haripad (HPD)	831.8	2060.4	-59.63
54		Kayamkulam (KYK)	1115.1	2060.4	-45.88
55		Kayamkulam Agri (KYK_A)	918	2060.4	-55.45
56		Mancompu (MCP)	1192.85	2060.4	-42.11
57		Mavelikkara(MVK)	1158.8	2060.4	-43.76
58	<b>Kottayam (KTM)</b>	Kanjirappally(KJP)	1205.1	1572.7	-23.37
59		Kottayam (KTM)	1070.4	1572.7	-31.94
60		Kozha (KHA)	1081.95	1572.7	-31.20
61		Kumarakom(KMK)	895.325	1572.7	-43.07
62		Vaikom (VKM)	1955	1572.7	24.31
63	<b>Idukki (IDK)</b>	Devikulam (DVK)	Data Not Available		
64		Idukki (IDK)	1985.2	1715.7	15.71
65		Munnar (MNR)	1874.7	1715.7	9.27
66		Myladumpara (MYP_A)	865.6	1715.7	-49.55
67		Peermade (PMD)	1427.35	1715.7	-16.81
68		Thodupuzha (TDP)	1424.6	1715.7	-16.97
69	<b>Pathanamthitta (PTA)</b>	Konni (KNI)	999.8	871.3	14.75
70		Kurudamannil (KML)	927.4	871.3	6.44
71		Thiruvalla (TVL)	0.2	871.3	-99.98
72	<b>Kollam (KLM)</b>	Aryankavu (AKV)	1050.05	2197.5	-52.22
73		Kollam RLY (KLM)	748.5	2197.5	-65.94
74		Punalur (PNL)	882.2	2197.5	-59.85
75	<b>Thiruvananthapuram (TRV)</b>	Nedumangad (NDM)	650.6	2632.1	-75.28
76		Neyyattinkara(NYK)	514	2632.1	-80.47
77		TRV CITY	582.05	2632.1	-77.89
78		TRV AP	536.55	2632.1	-79.62
79		Varkala(VKL)	553.7	2632.1	-78.96

Table below shows the departure of actual rainfall received as against that was expected from June to September 2016 in the districts of Kerala

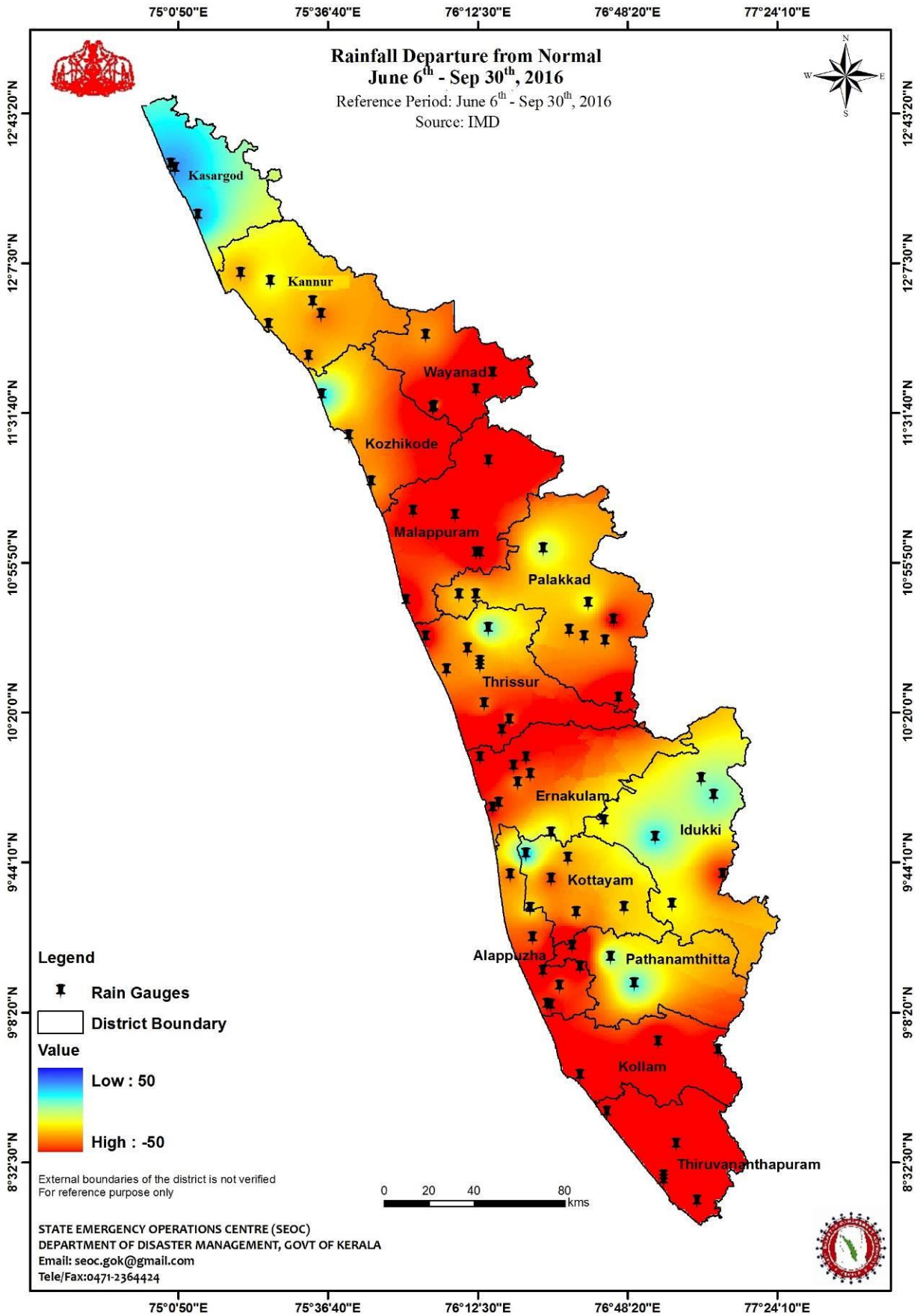
<b>South West Monsoon Rainfall of 2016</b>			
<b>District</b>	<b>Actual Rainfall (mm)</b>	<b>Normal (mm)</b>	<b>Departure</b>
Alappuzha	1135.3	1745.9	-35
Kannur	1991	2669	-25
Ernakulam	1569.4	2065	-24
Idukki	1569.5	2276.2	-31
Kasargode	2252.9	3007.5	-25
Kollam	950.8	1332.3	-29
Kottayam	1330.7	1897.3	-30
Kozhikode	1888.1	2603.1	-27
Malappuram	1252.9	2060.4	-39
Palakkad	1034.9	1572.7	-34
Pathanamthitta	1091.4	1715.7	-36
Thiruvananthapuram	572.4	871.3	-34
Thrissur	1219.6	2197.5	-44

Wayanad	1073.8	2632.1	-59
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IMD in its forecast of North East Monsoon rainfall expects 90-100% of its long period average. Almost 40% of the rainfall of North East is expected in the month of October. However, there is 69% deficit in the rainfall of October. Table below shows the district wise departure.

<b>Rainfall in the month of October 2016</b>			
District	Actual Rainfall (mm)	Normal (mm)	Departure
Alappuzha	102.1	280.5	-64
Kannur	42.9	195.7	-78
Ernakulam	116.1	249.9	-54
Idukki	102.4	301	-66
Kasargode	23.4	200.3	-88
Kollam	139	302.2	-54
Kottayam	113.8	267.7	-57
Kozhikode	30.7	220.5	-86
Malappuram	69.2	246.9	-72
Palakkad	49.4	219.8	-78
Pathanamthitta	163	303.9	-46
Thiruvananthapuram	32.3	229.7	-86
Thrissur	54.1	250	-78
Wayanad	48.4	185	-74

Such significant departure causes unprecedented crisis to communities habituated of living in water surplus areas like Kerala.



## 2.2 Reservoir Level

Reservoir level is an indicator of surface water availability which largely determines the useable water on which most of the households in Kerala depend on. Historically, by the month of October-November the reservoirs in the state are expected to be at its Long Period maximum storage. Data from two groups of reservoirs were considered, they being, those controlled by the Kerala State Electricity Board and those controlled by the Water Resources Department. Table 2 shows the cumulative storage statistics of KSEB group of reservoirs as on 1-10-2016. From the table it is evident that the storage situation is alarmingly lower than as compared to the situation in 2014.

Year	2012	2013	2014	2015	2016
Storage in MU	1746.415	3958.097	3163.642	2379.099	2234.875
Hydro Generation in MU	16.509	39.16	29.062	17.233	11.717
Cum inflow in MU for WY	2693.574	7117.742	5166.197	3470.693	2702.54

Table 3 shows the storage statistics of the dams controlled by Water Resources Department.

Sl. No.	Name of Dam	FRL	Water level (m)	% Departure
1	Malampuzha	115.06	107.35	-6.7
2	Neyyar	84.73	82.7	-2.4
3	Kallada	116.2	103.45	-11.0
4	Kanjirappuzha	97.5	95.35	-2.2
5	Kuttiyadi	46	38.88	-15.5
6	Pothundy	108.2	100.66	-7.0
7	Mangalam	77.88	77.8	-0.1
8	Vazhani	62.481	53.34	-14.6
9	Peechi	79.25	71.52	-9.8
10	Walayar	203	195.14	-3.9
11	Meenkara	156.36	150.36	-3.8
12	Chulliyar	154.03	142.27	-7.6
13	Chimoni	79.4	68.33	-13.9
14	Malankara	43	40.06	-6.8
15	Karapuzha	763	757.05	-0.8
16	Moolathara (Regulator)	NA	182.2	NA
17	Maniyar (Barrage)	34.85	34	-2.4
18	Pazhassi (Barrage)	26.52	15.2	-42.7
19	Siruvani (Interstate waters)	878.5	869.45	-1.0

It can be seen that the water level of these reservoirs are below the FRL. Ideally, most of these reservoirs should have had reached near FRL by September, particularly those north of Palakkad gap. This is also to be considered as an indicator of impending water shortage that Kerala may face in lieu of vigorous North East Monsoon.

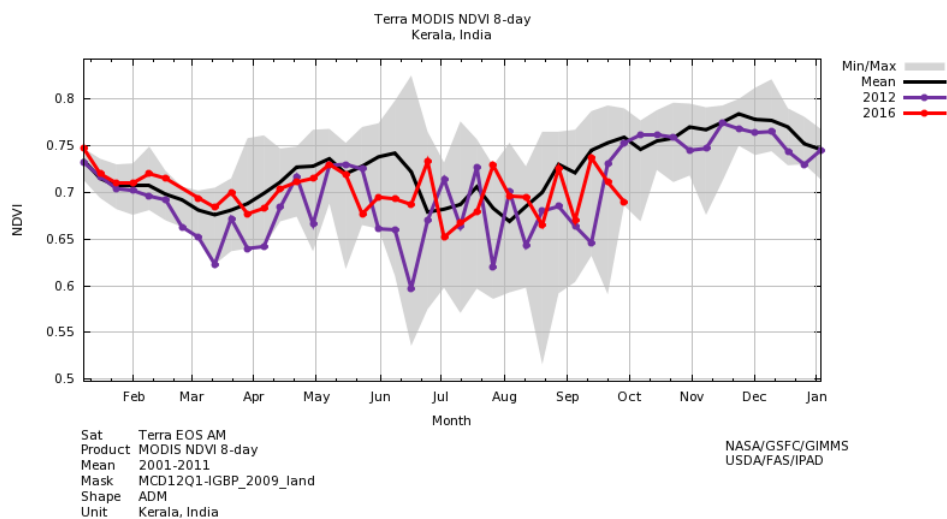
## 2.3 Vegetation vigour - NDVI

Normalized Difference Vegetation Index (NDVI) is an indicator of the vigour of vegetation cover. This product is derived from the MODIS sensor on-board Terra Satellite. This parameter

ranges from -1 to +1 where from about +0.5 to +1 represents vigorous green cover. Brighter the green cover and its vigour (a proxy of good crop) nearer will be the value of NDVI to +1. NDVI is an indicator to be considered for drought declaration as per the Guidelines of Ministry of Agriculture. This parameter is monitored every 8 days and compared against long period average.

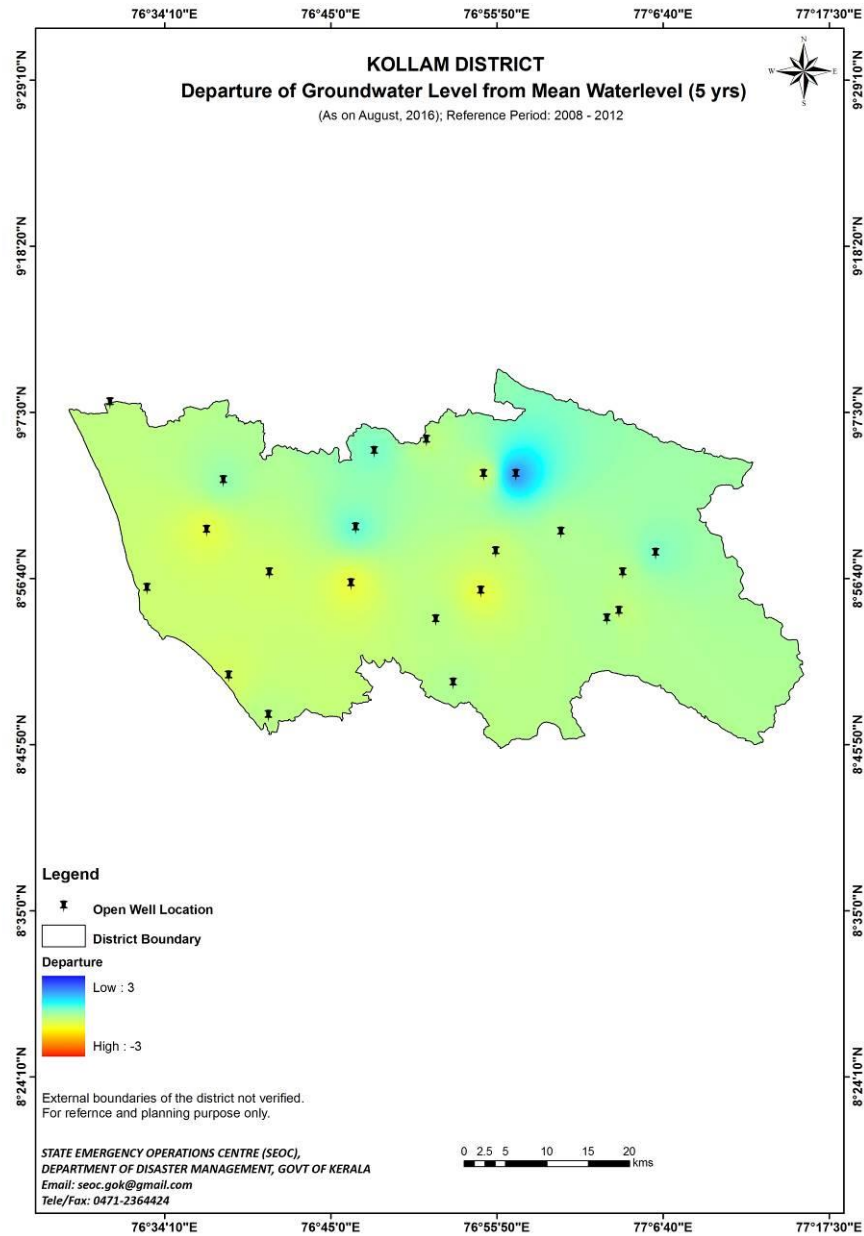
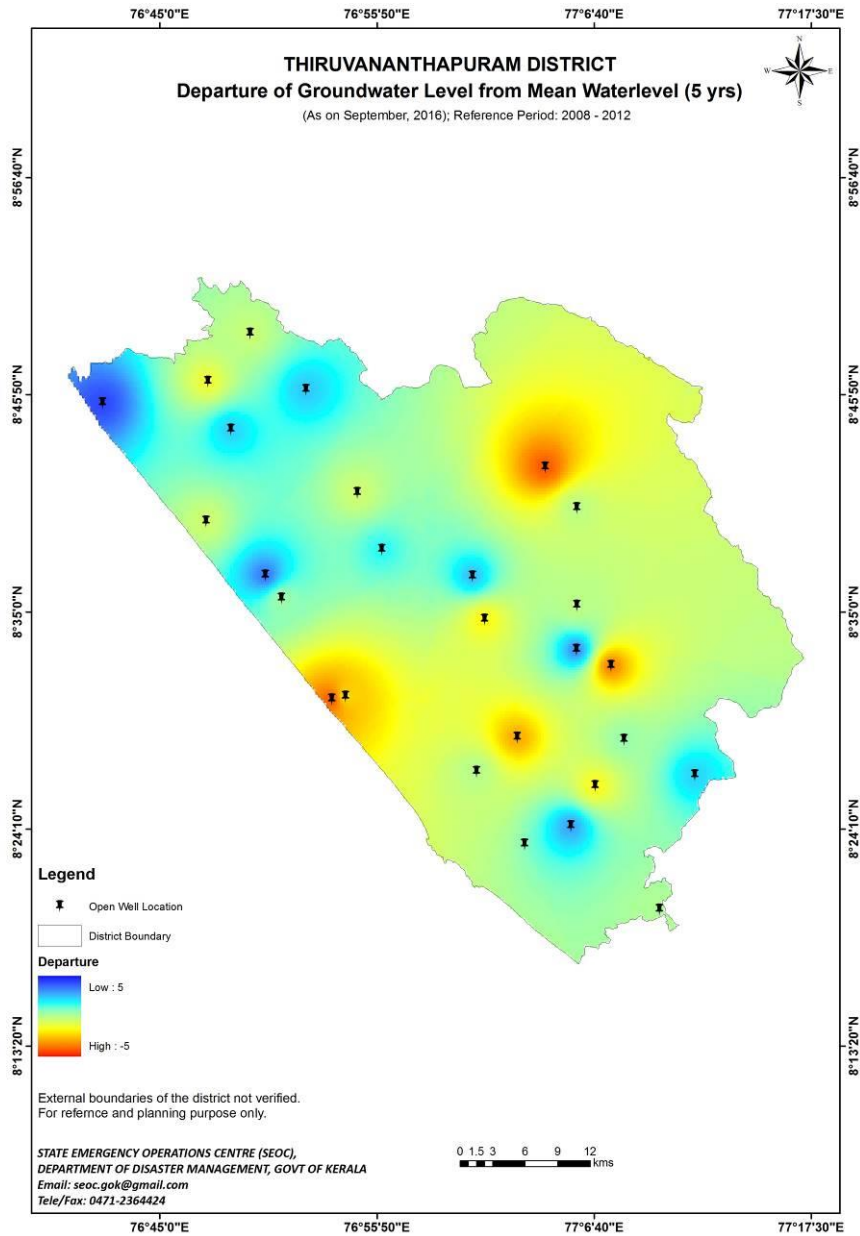
Figure 7 shows the time trend of NDVI aggregated over Kerala. A comparison of NDVI in 2012 (the last instance of significant drought) and that of 2016 (till October) is give in comparison to the long period mean NDVI aggregate. It may be noted that the green cover over Kerala has not yet been significantly affected by the deficit in south west monsoon rainfall. This is due to the fact that the Summer Rainfall (March, April, May) of 2016 was significant and widely spread across Kerala resulting in the retention of top soil moisture.

However, the trend indicates that the green cover vigour may degrade and may remain below mean in the months to come if the North East Monsoon delivers less than expected rainfall. This may be inferred as to affect the Rabi crop in the state.

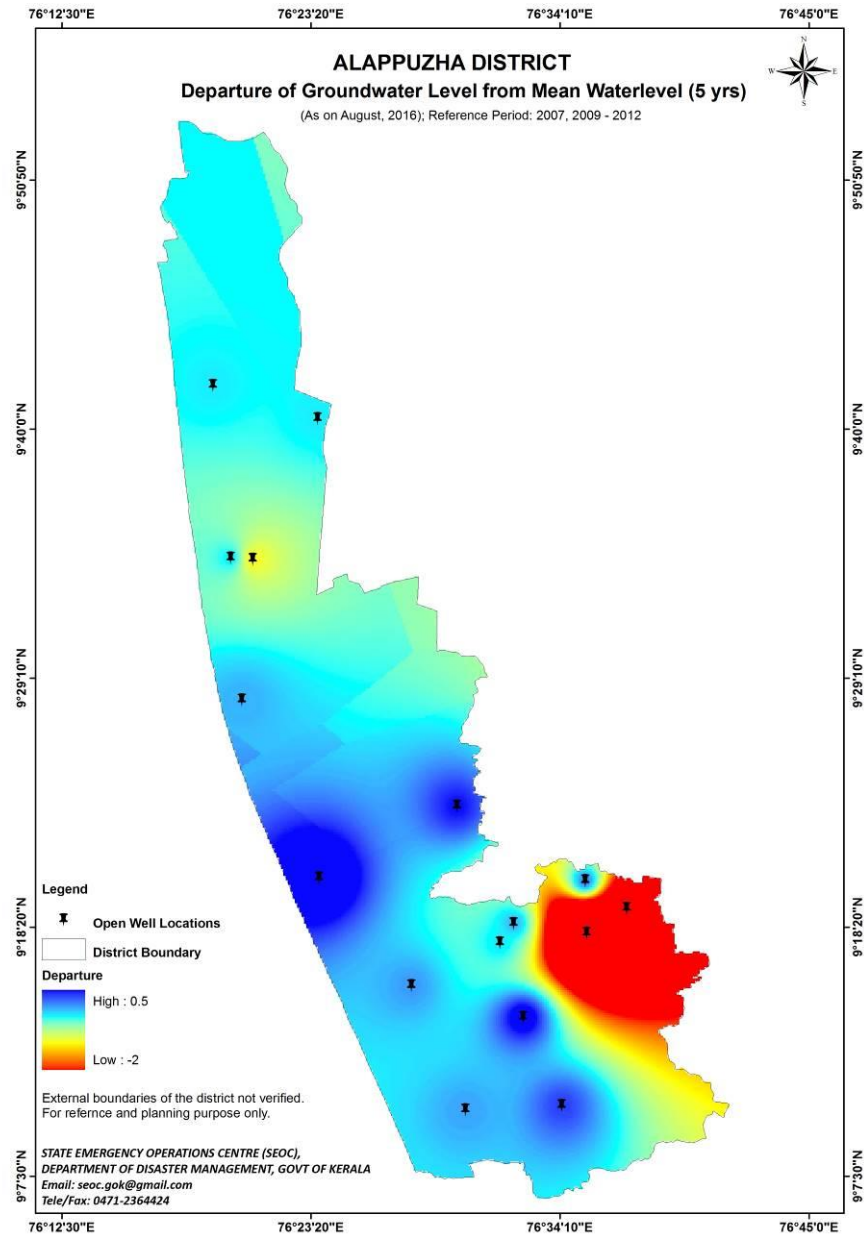
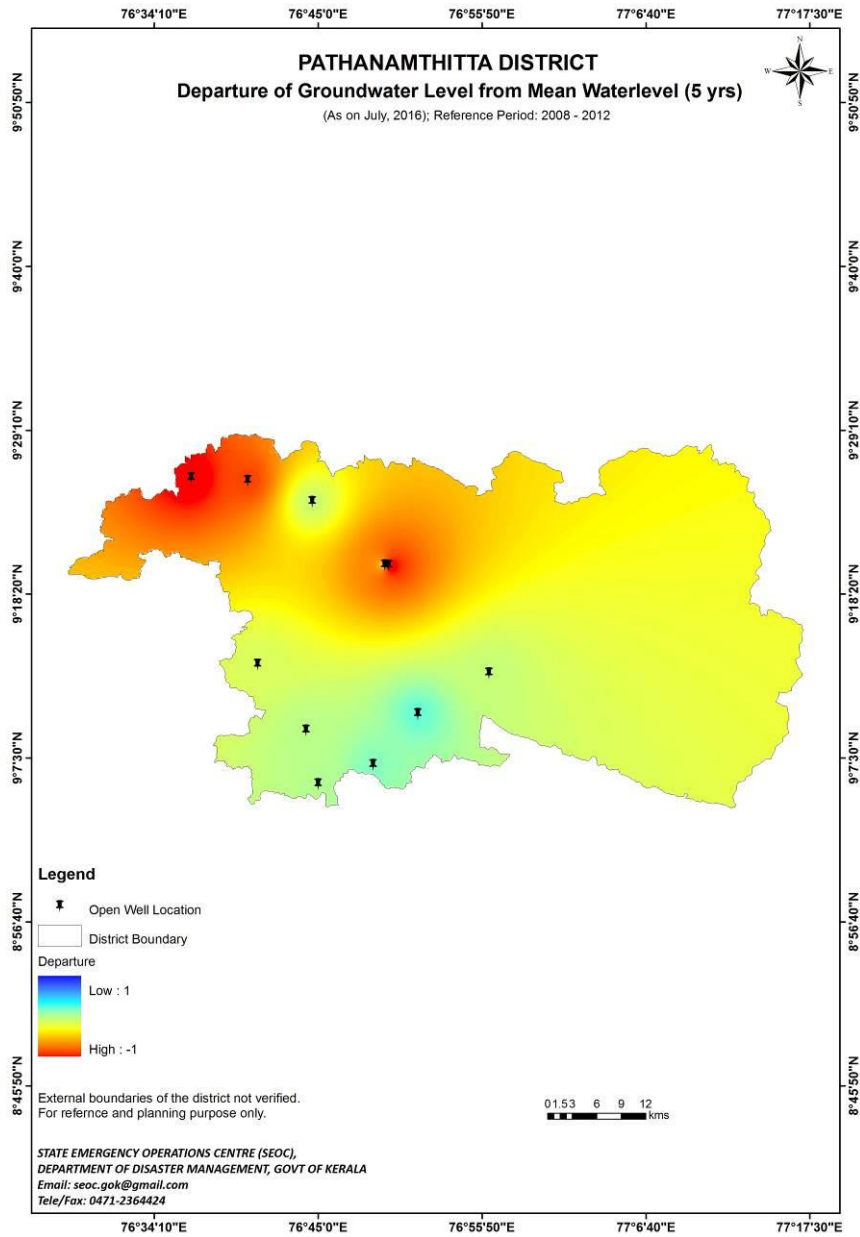


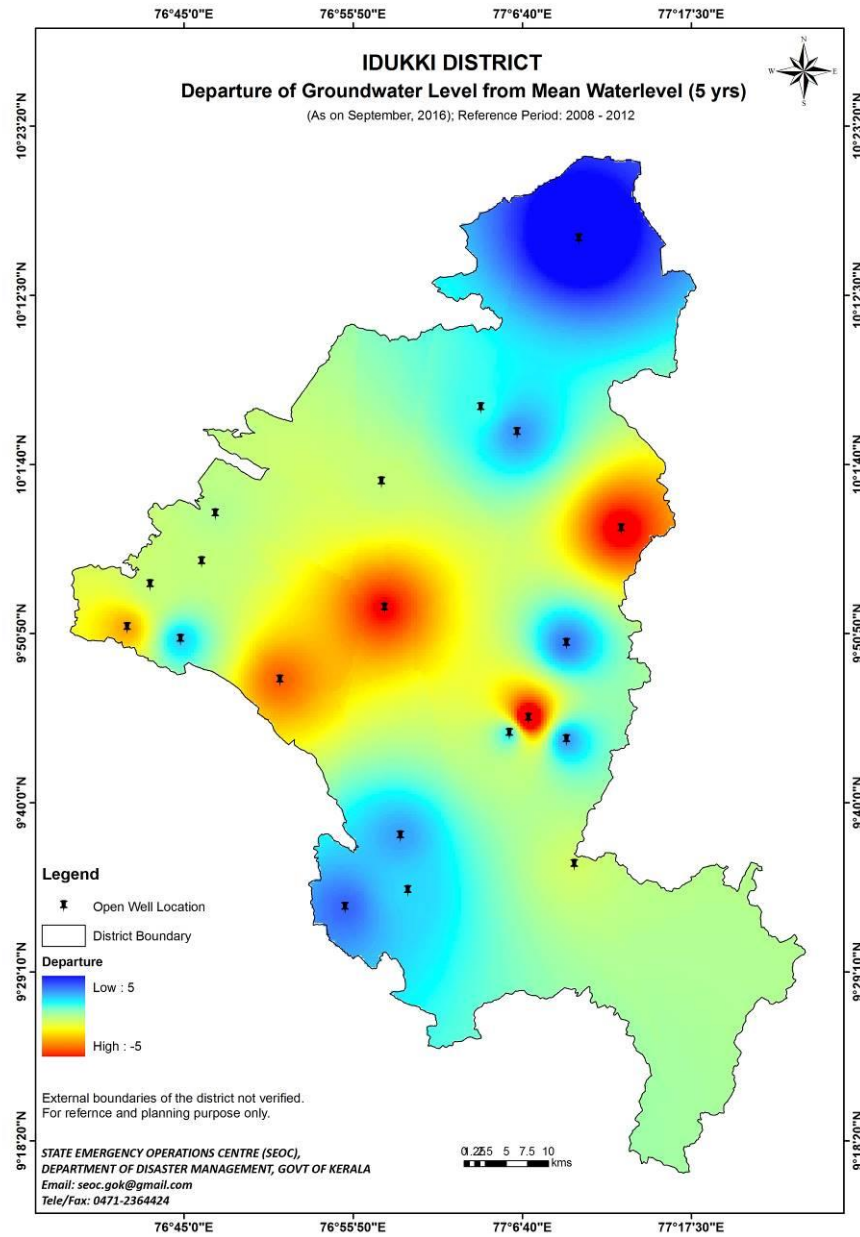
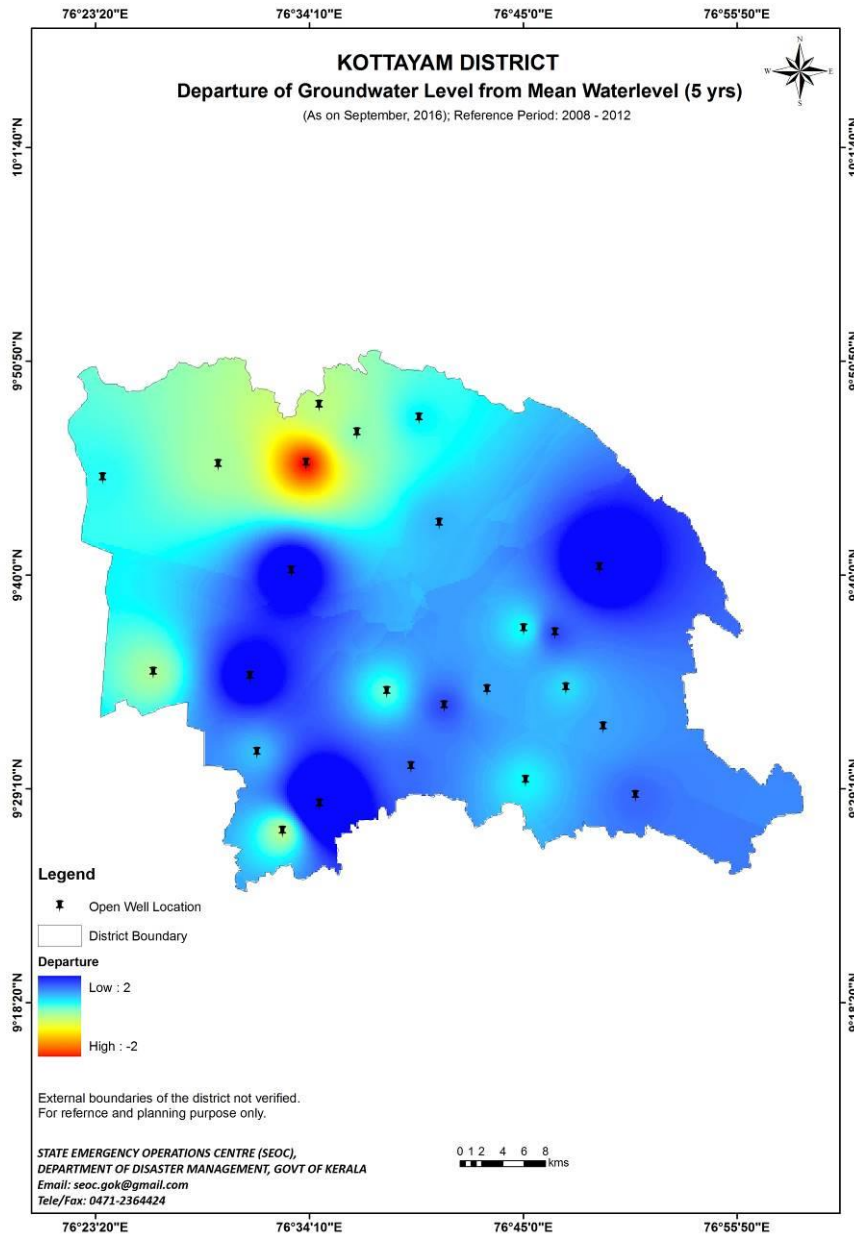
## 2.4 Ground Water

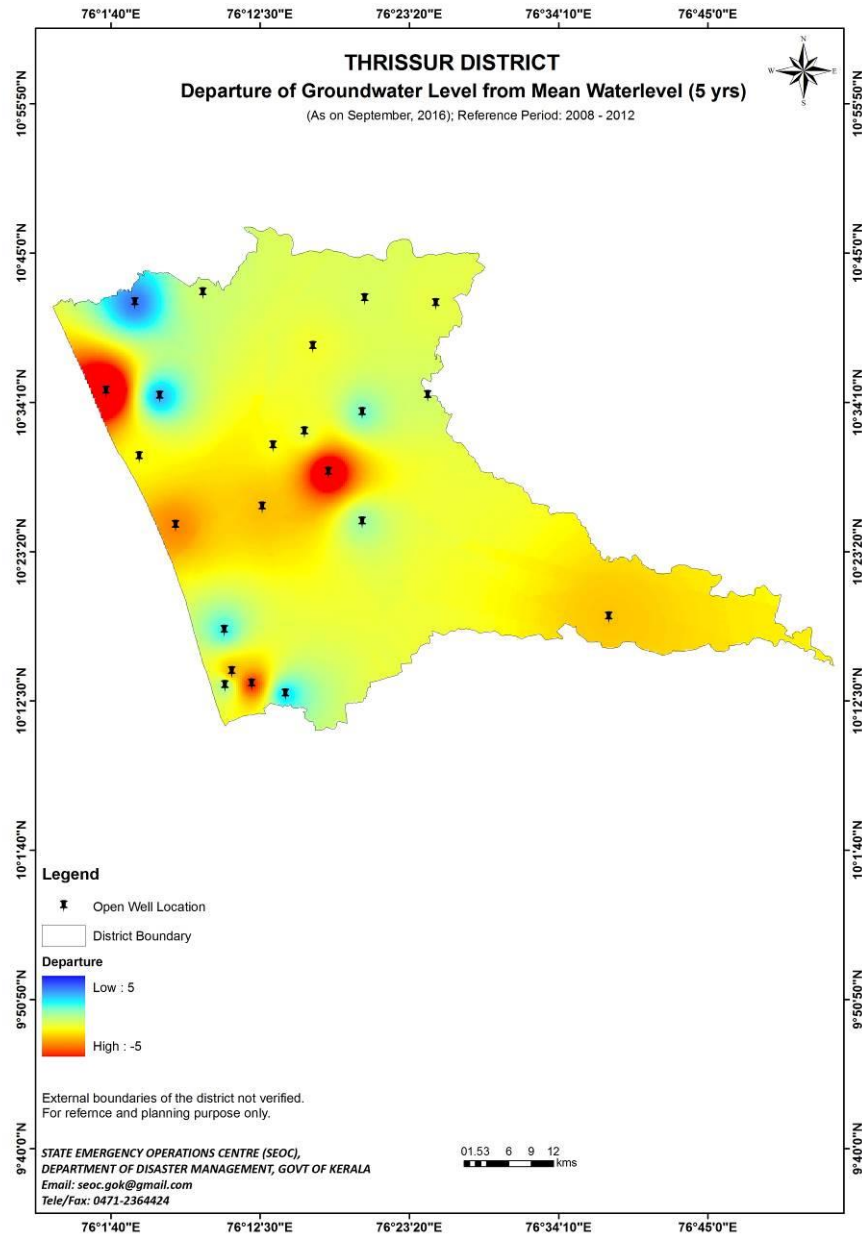
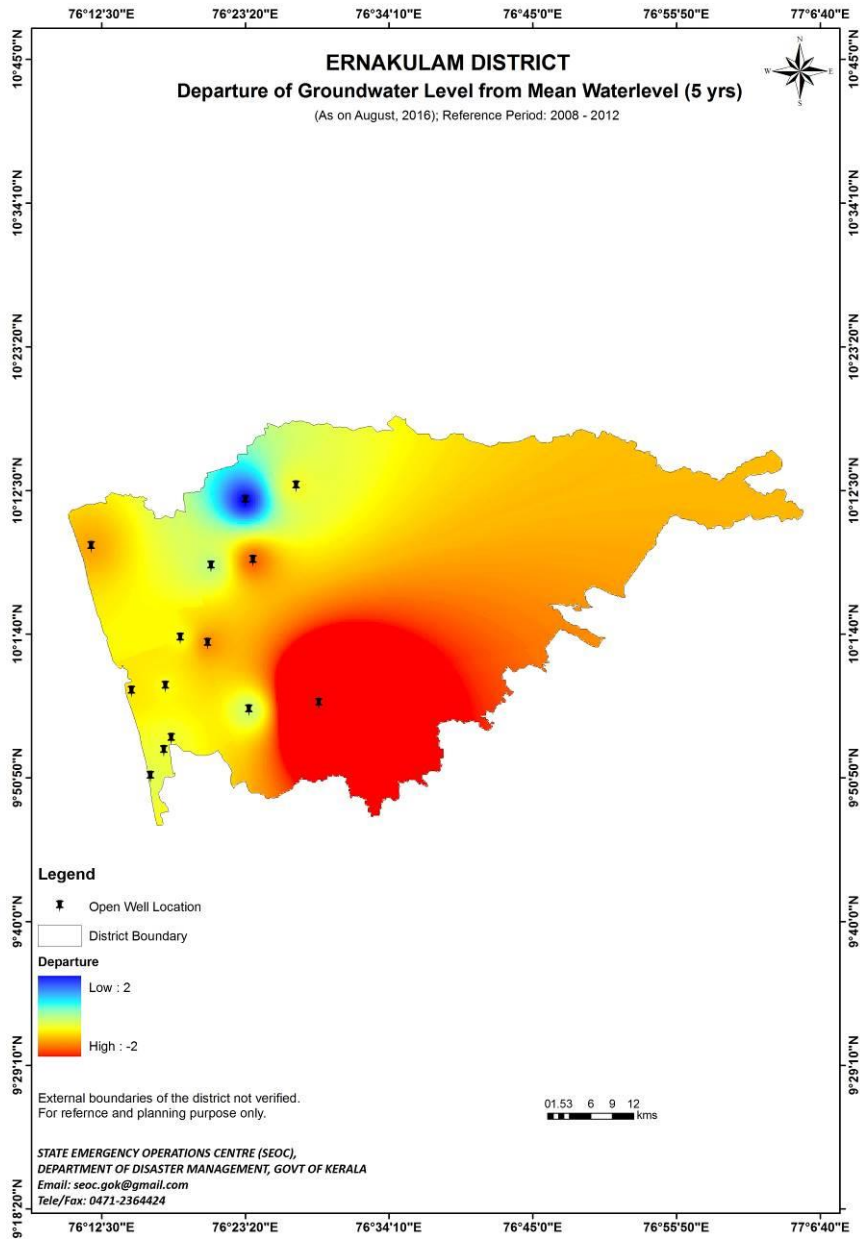
Ground water response to reduced rainfall often has a time lag of more than 1 to 2 months unlike vegetation which responds almost immediately to lack of top soil moisture. Data of August 2016 for most stations and upto September for few ground water monitoring stations were gathered from the Ground Water Department and compared against the long period average value of the respective month for the respective station. The maps are not valid for actual estimations of ground water in a given area. It is only indicative of the departure for each month.

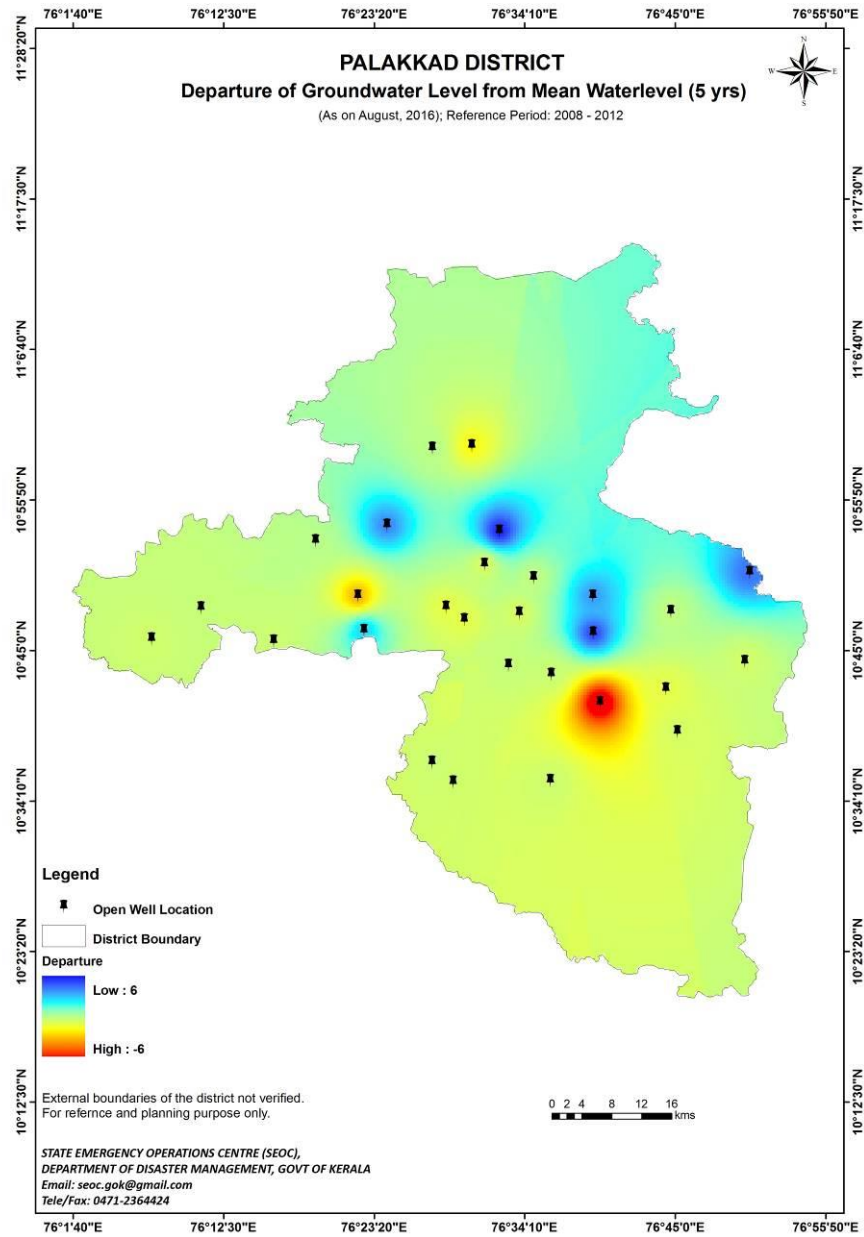
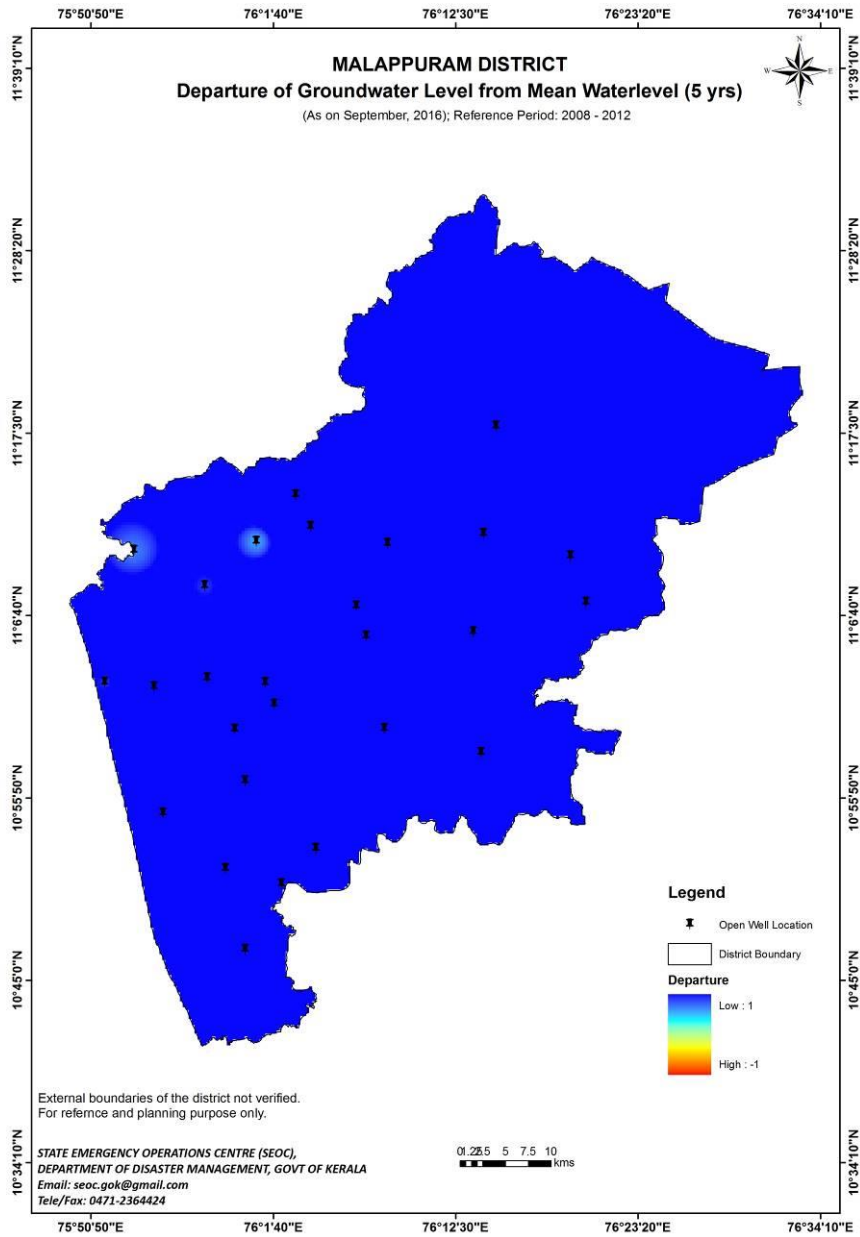


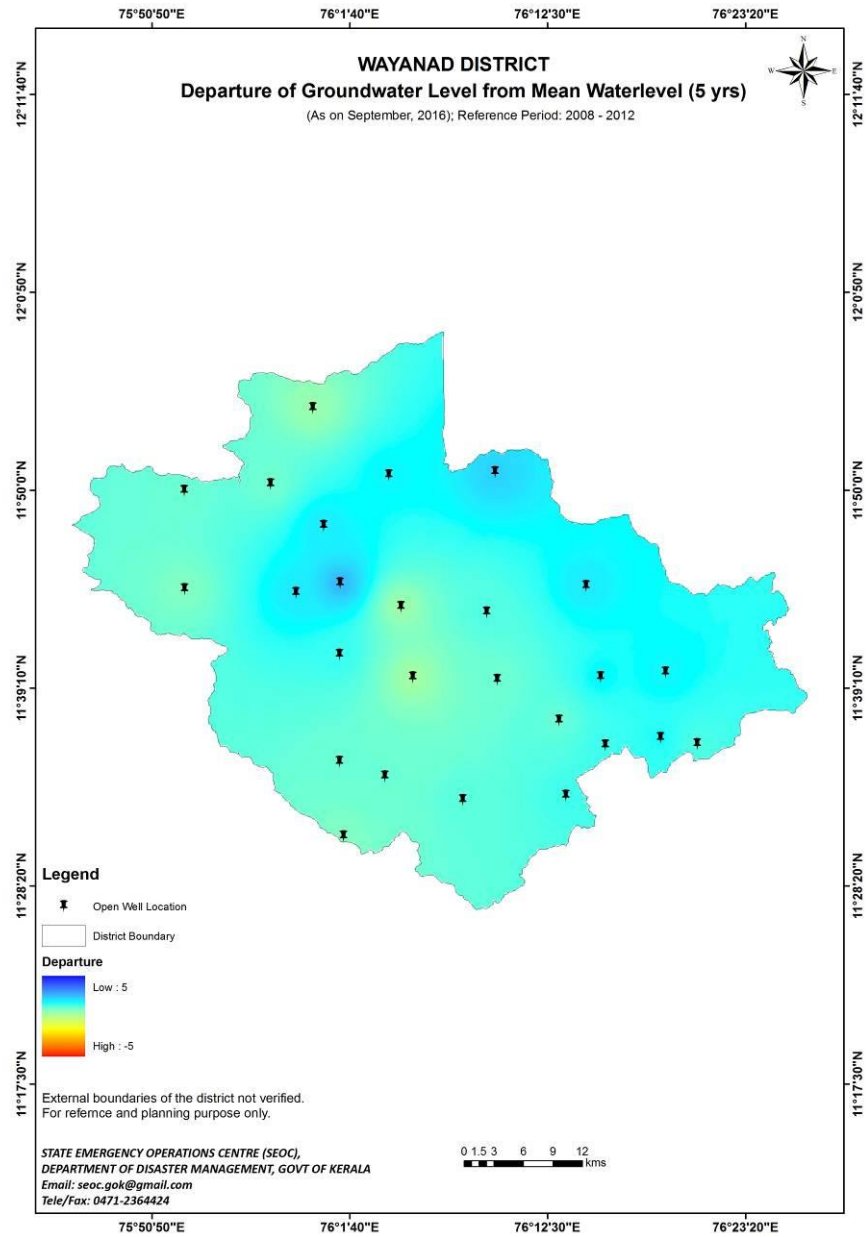
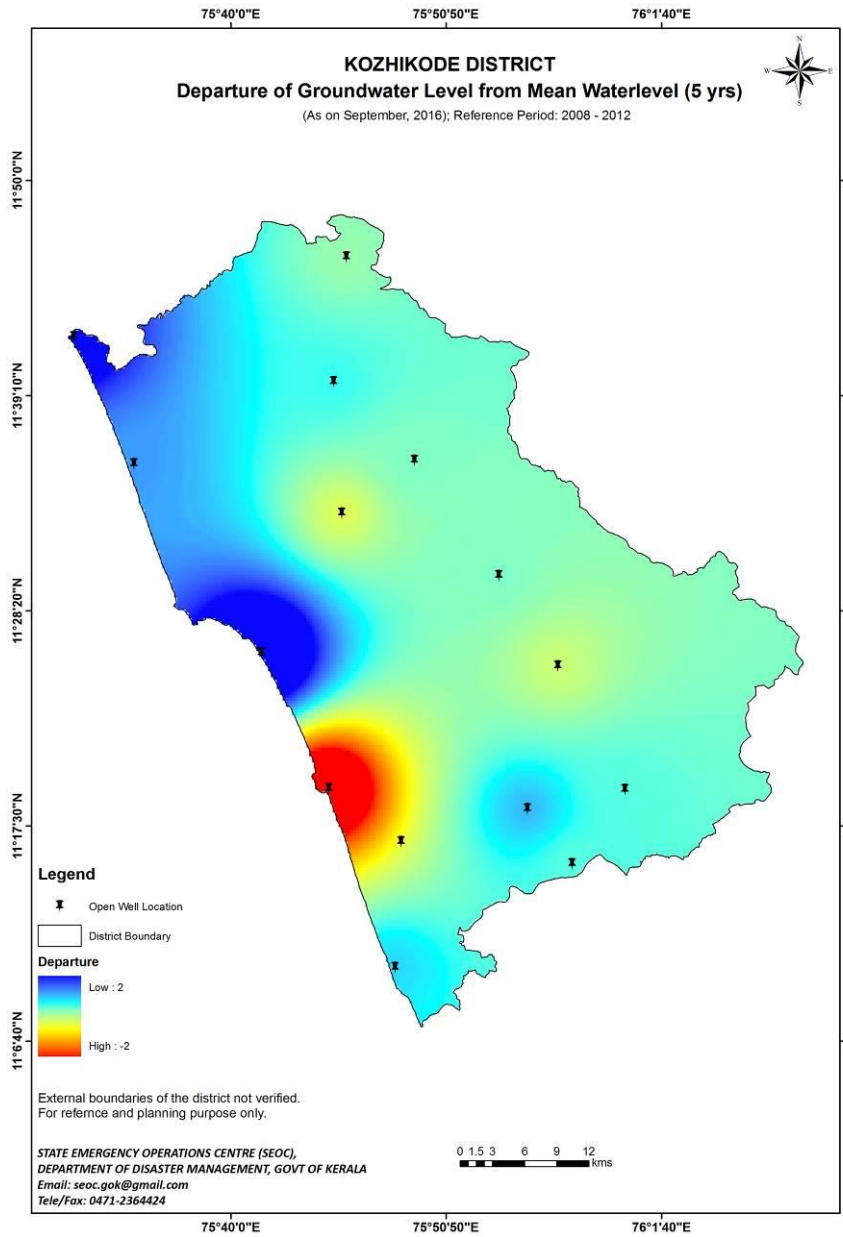




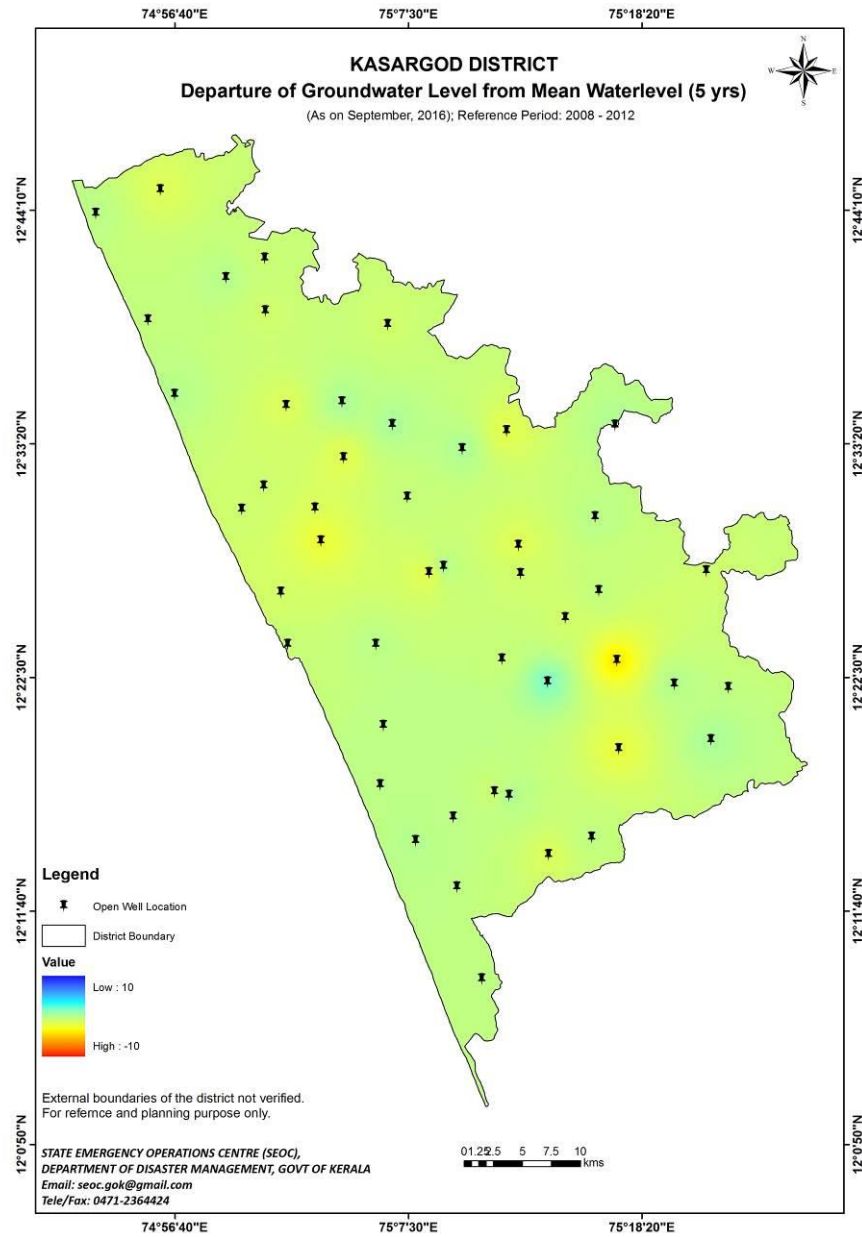
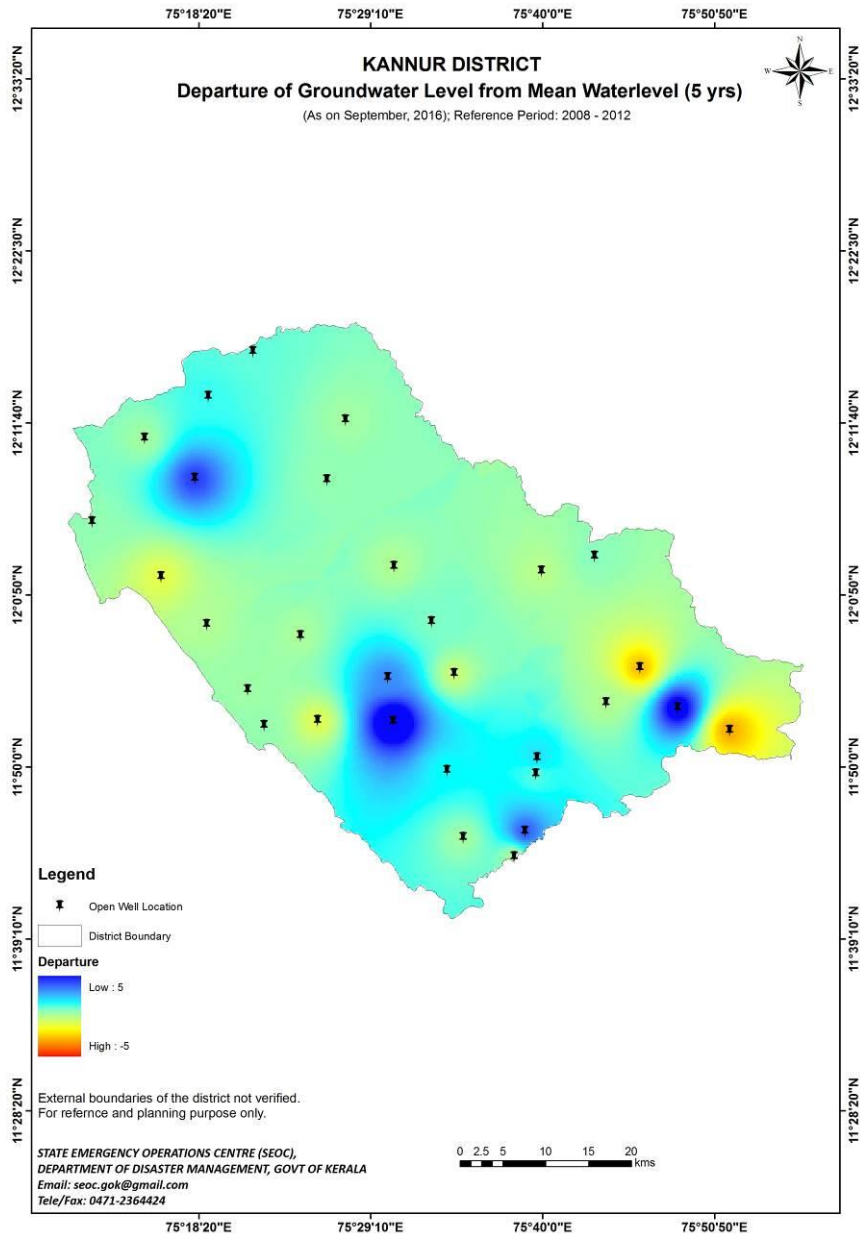














## 2.5 Agriculture crop loss report

Based on the statistics provided by Agriculture Department, crop damage during Karif crop was only 2149 ha. Crop wilting was seen to have been reported in media only from Palakkad district.

## 2.6 Drinking water shortage reports

No significant drinking water shortage reports are seen to be reported from any part of Kerala in main stream media. Such reports have also not been received from any districts.

## 2.7 Human-Animal Conflicts

It is noted from media reports that instances of man-animal conflicts such as elephants entering into cropped areas and human habitations, citing leopards in human habitations have become common in the last one month. This may be a consequence of water shortage in the forested areas.

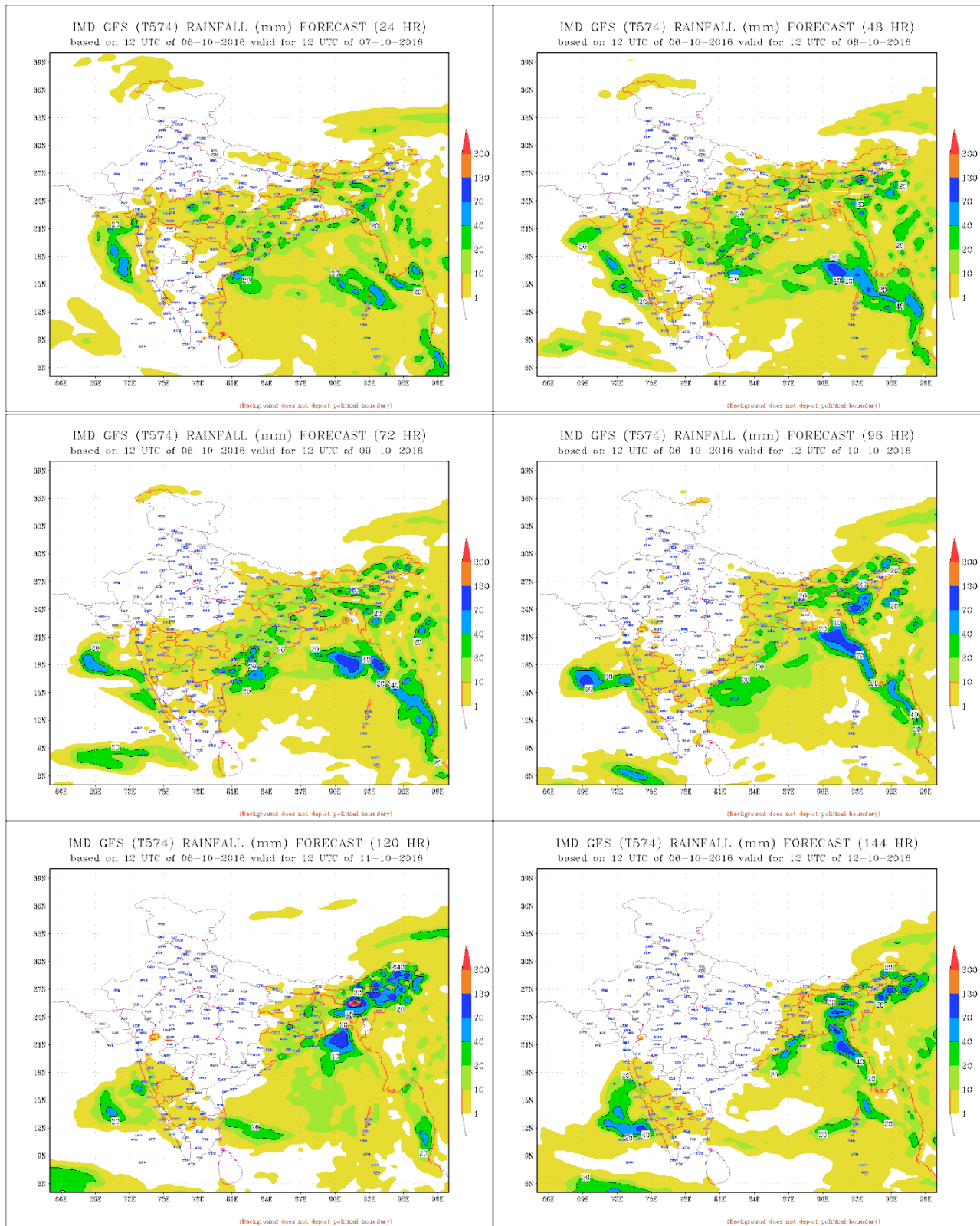
## 2.8 Financial Status – State Disaster Response Fund

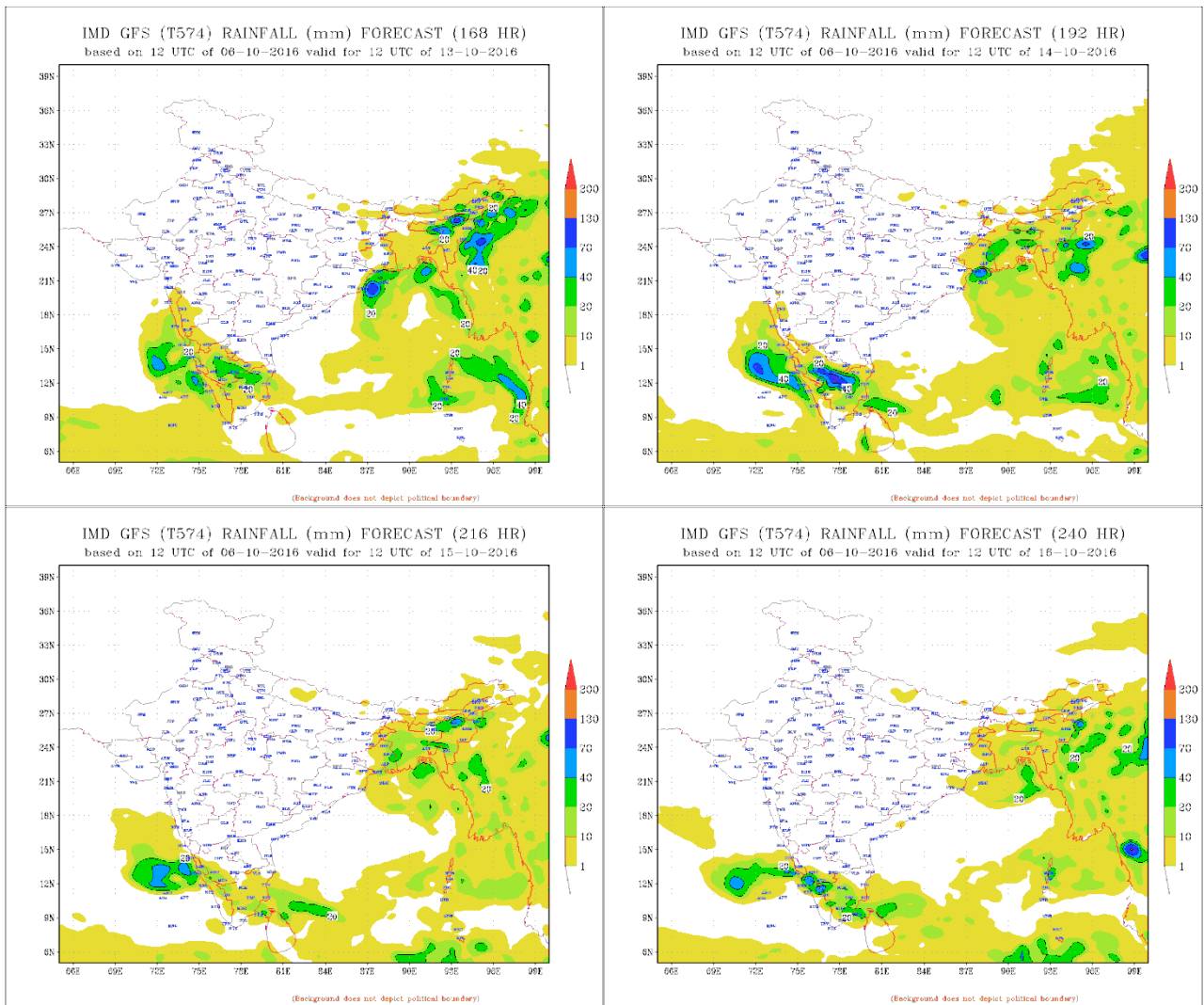
An amount of ₹184 crores is available with the Government in the State Disaster Response Fund (SDRF) out of which ₹57 crores is apportioned for drought response. If State Executive Committee deems appropriate, the remaining ₹127 crores can also be utilized for drought response. This amount is exclusively for drought response activities as stipulated in the SDRF/NDRF norms issued by Ministry of Home Affairs, Government of India. Utilization of this fund can begin only after formal declaration of drought. Table 4 shows an objective distribution of available funds per district based on the number of constituencies (proxy to population) and the % deficit of rainfall in the respective districts.

District	% Deficit	NC	DP	CP	WS	PA	AA (₹Crores)
TVM	34	14	0.072	0.100	0.172	0.086	4.90
KLM	29	11	0.061	0.079	0.140	0.070	3.99
PTN	36	5	0.076	0.036	0.112	0.056	3.19
ALP	35	9	0.074	0.064	0.138	0.069	3.94
KTY	31	9	0.066	0.064	0.130	0.065	3.70
IDU	31	5	0.066	0.036	0.101	0.051	2.89
EKM	24	14	0.051	0.100	0.151	0.075	4.30
TSR	44	13	0.093	0.093	0.186	0.093	5.30
PKD	34	12	0.072	0.086	0.158	0.079	4.49
MLP	39	16	0.082	0.114	0.197	0.098	5.61
KOZ	27	13	0.057	0.093	0.150	0.075	4.27
WAY	59	3	0.125	0.021	0.146	0.073	4.17
KAN	25	11	0.053	0.079	0.131	0.066	3.75
KAS	25	5	0.053	0.036	0.089	0.044	2.52
	473	140			2.000		<b>57.00</b>
%Deficit - Cumulative rainfall deficit from June to December 2012							
NC - Number of constituencies in the district							

DP - Deficit Proportion = DP/(Total DP)
CP - Constituency Proportion = NC/(Total NC)
WS - Weighted Sum = (DP+CP)
PA - Proportion Allocatable = WS/(Total WS)
AA - Amount allocatable = PA * Amount available for release (57 crores)

## 2.9 Predictions for 10 days – Rainfall





From the forecast for the next 10 days (starting 7-10-2016), rainfall activity over Kerala may be on the lower side. If this trend continues, the situation will be worsened in the coming months. Concurrent and constant monitoring of NDVI and rainfall is ongoing in the State Drought Monitoring Cell.

### 3. Recommendation on drought declaration

Thus, based on the available data and trends of the indicators discussed above and the forecast, drought may be declared in the districts based on the following criteria:

District	% Rainfall Deficit	Recommended time of declaration	Criteria
TVM	34	Mid November	If NEM rainfall till 15 <sup>th</sup> November has >10% negative departure and if Rabi crop sowing is less than expected after a meeting of State Executive Committee as decided therein
KLM	29		
PTN	36	Mid October	Present rainfall deficit, deviation in ground water level and lower than normal storage in reservoirs
ALP	35	Mid November	If NEM rainfall till 15 <sup>th</sup> November has >10% negative departure and if Rabi crop sowing is less than expected after a meeting of State Executive Committee as decided therein
KTY	31		
IDU	31	Mid October	Present rainfall deficit, deviation in ground water level and lower than normal storage in reservoirs
EKM	24		
TSR	44		
PKD	34		
MLP	39	Mid November	If NEM rainfall till 15 <sup>th</sup> November has >10% negative departure and if Rabi crop sowing is less than expected after a meeting of State Executive Committee as decided therein
KOZ	27		
WAY	59		
KAN	25		
KAS	25		

This recommendation is also based on the available funds for drought response and the experience of drought management in 2012-13 period.

#### **4. Recommendation for mitigation actions – Contingency Plan**

The following guidelines may be issued to the District Collectors and Stakeholder Departments for drought response in the state in 2016.

- 1) State shall follow a 3R approach towards water, it being Reduce, Reuse and Recycle water
- 2) Preference of water usage in the state till May 2017 or until the situation improves shall be in the order of drinking water to public, water for household activities, drinking water to domestic animals, water for agricultural activities and water for industrial use
- 3) Priority should be given to villages without perennial water sources while implementing drought risk reduction activities are undertaken
- 4) District Collector shall convene a meeting to ensure adequate drinking water to all drought prone regions in the district with the involvement of grama-panchayath/block panchayath/district panchayath, MLAs, MPs, Municipal Chairpersons, people's representatives, district officers of water authority, irrigation, minor irrigation, ground water, PWD, electricity and revenue in the presence of the Ministers in charge of the district. Deputy Collectors shall be assigned the responsibility of each taluk for drought risk reduction and they shall ensure that meetings for drought risk reduction are undertaken in the panchayaths, municipalities and corporations.
- 5) It has come to the notice of the Government that drinking water pipelines are illegally tapped with motors by hotels, hospitals, lodges, auditoriums, shopping complexes, houses etc. District Collectors shall direct the concerned district level officers to conduct lightning checks and take penal action against those violating the rules. Public must be sensitized through media regarding this illegal tapping and the legal consequences of such illegal actions.
- 6) Fresh potable water shall not be used for washing motor vehicles, especially water supplied through public water supply system. Public may be urged to recycle water, for example water used in kitchen may be used for watering garden plants
- 7) District Collectors shall on a daily basis assess the rainfall, water availability and temperature in the district and do the needful for ensuring drinking water supply in places that have a short supply.
- 8) As given in Section 3.9.4 of the State Disaster Management Plan at least one water kiosk per grama panchayath/municipality/corporation ward shall be installed in consultation with the concerned local self government. In case a particular ward does not require the kiosk, this can be moved to another ward within the same grama panchayath/municipality/corporation. The kiosks shall be filled with potable water from sources of Kerala Water Authority in the supervision of District Administration. As much as possible, water supply through tankers shall

be restricted to these kiosks. District Collectors shall estimate the requirement through District Nirmithi Kendra or PWD and send the detailed estimate to Government for approval.

- 9) Water supply through tanker lorries to houses shall be restricted to only those areas that are in drier need and where ever there are no water kiosks. Depending on the request for drinking water supply to a particular area by the concerned local self government (LSG), the officials of Revenue and Disaster Management should inspect such localities and ascertain the need and report to the District Collector. Water supply through tanker lorries shall begin only with the prior approval of District Collector. Trip sheets of the tankers delivering water to such localities should be signed and certified by the officials of the LSG, village officer, concerned people's representative of the LSG ward, and the president of the local self government. All tanker lorries used shall be fixed with GPS and the movement of the tankers shall be monitored from the District Emergency Operations Centre through the GPS interface. Payment for the trips shall be after cross checking the trip sheet signed by the officials and the trip sheet generated by the GPS interface. Alappuzha district has implemented this successfully for the last 2 years and thus is a replicable best practice.
- 10) District Collectors are permitted to undertake drought risk reduction infrastructural works (repair of pipelines, repair of motors, repair of tanks, extension of pipelines, etc) for upto an amount of Rs. 2 lakhs without the prior approval of the Government, strictly adhering to the SDRF/NDRF norms. The total approval by the district collector for infrastructure works shall not exceed 10% of the total amount allotted for drought risk reduction for the district. The district collectors shall conduct a cost-benefit analysis of the infrastructural works such approved and ascertain that the said works will result in drought risk reduction and a statement regarding the same shall feature in the approval order. Ensure that funds from SDRF/NDRF are not used for completion of the projects funded through state plan by the respective departments. All such works shall strictly be completed before 31-12-2016 such that the works will benefit the ensuing drought.
- 11) District Collectors shall ensure that Sections 38 A(2), 46B), 52(A) and 61(A) of the Kerala Water Supply & Sewerage (Amendment) Act 2008 are strictly implemented. A combined inspection team of Revenue, Police, LSG and KWA shall be formed in the district for the purpose.
- 12) All sources of drinking water supply shall be guarded by Police, LSGD and public to ensure that pollutants are not dumped into them causing further water stress.
- 13) The District Emergency Operations Centres shall coordinate the activities undertaken for drought risk reduction. Weekly reports in prescribed formats shall be sent to seoc.gok@gmail.com, revenuedmdk@gmail.com and sdmacontrolroom@gmail.com



- 14) For drought risk reduction items/works that cannot be undertaken as per SDRF/NDRF norms, the proposals shall be submitted to the respective administrative department by the district officers of the concerned departments. Such proposals shall not be submitted to Dept. of Revenue and Disaster Management seeking approval.
- 15) District Collectors shall explore the possibility of utilizing the funds from the MGNREGS to create minor check dams using local and insitue materials. Drought risk reduction activities undertaken by Malappuram district during 2012-13 and Wayanad district in 2015-16 are role model in this regards. Section 3.9 of the State Disaster Management Plan may be consulted for details of such drought mitigation works (<http://disasterlesskerala.org/wp-content/uploads/2016/10/Kerala-SDMP-Version-September-2016.pdf>).
- 16) Sources from where water is collected for drinking water supply should be certified by KWA and/or the Food Safety Authority
- 17) Directions shall be issued to all ground water extracting industry under section 34 (j) of the Disaster Management Act, 2005 such industries shall reduce their intake from ground water by 75% of their actual extraction capacity until further orders or till June 2017.
- 18) Agriculture Department shall also attempt to convince farmers to reduce ground water intake for irrigation as the preference should be for drinking water and then agriculture.
- 19) Canal irrigation should be restricted wherever necessary and limited for the purpose of replenishing local ground water and the decision to release water from reservoirs for irrigation should be done only in concurrence with the Kerlaa Water Authority, aand Ground Water Department and Kerala Water Authority.
- 20) Social capital in the form of NSS, NCC, Scouts & Guides, Kudumbashree etc. shall be utilized in the implementation of drought risk reduction programmes.
- 21) Farmers may create as many rain water harvesting pits as possible and till-up the land and spread dried leaves over it to ensure that rain water from the North-East monsoon penetrates rapidly into the ground and transpiration from soil is minimized.
- 22) All disfunctional rain water harvesting structures in the premises owned by government departments and institutions shall be repaired and made functional within a month. Funds necessary for the purpose shall be provided by the respective administrative department to the concerned departments/institutions.
- 23) District Education Officer shall be directed by the District Collector to convene a special assesmbly in all schools for sensitizing children regarding drought risk reduction and sun-burn/sun-stroke which are common during drought. Geography and Environmental Science teachers shall be directed to prepare the necessary guidelines for sensitizing school children.

- 24) Animal Husbandry and Dairy Development Department should identify areas with stress for water availability for animals. Concerned departments should in consultation with KWA ensure that water is available for animals, if necessary at a common pool identified for the purpose.
- 25) Forest Department shall ensure that drinking water is available to animals in forest areas such that possibility of human-animal conflict can be reduced.
- 26) District Collectors shall, based on this guidelines directly monitor the implementation of drought risk reduction activities in the districts. Depending on the district wise situation, necessary changes may also be made to the guidelines, by the district authority with the funds allotted to the district, without violating the general norms for the utilization of SDRF/NDRF.

**Some Best Practices in Kerala for replication**

The KSDMA as a principal does not prefer large structural interventions for drought risk reduction. Four successful schemes supported by KSDMA are highlighted for replication state wide, they being:

***Mazhapolima***

Mazhapolima is a community based roof-rainwater harvesting and open well recharge project being implemented in Thrissur district. The project works with a simple logic: harvest rainwater, channel the harvested rainwater either directly to the open well (after passing through a sand and gravel filter) or put it into recharge pits constructed next to an open well. In total 24,989 well recharge units have been implemented by Mazhapolima in the entire state. Mazhapolima was recognized as a project for drought risk reduction vide GO (Rt) No. 5634/2015/DMD dated 8-05-2015 in all the districts through the District Authorities. Center for Water Resources Development and Management (CWRDM), an autonomous research and development institution under the Kerala State Council for Science, Technology and Environment located at Kozhikode conducted an impact assessment in the year 2011. This report makes substantial evidence for promoting this activity across the state. The analysis of the hydro-geological data generated from the study area indicates that direct well recharge by rainfall



harvested from rooftops is augmenting the groundwater reservoir. The increase in utilizable groundwater potential with Mazhapolima is estimated for the sample area representing highland, midland and lowland is about 7.22, 14.08, and 43.35 Million litres respectively. The study also indicates that the impact of direct well recharge on groundwater regime in coastal and midland region is very significant, whereas in highland region it is marginal.



***Jalavarshini***

Funded under the Natural Hazard Mitigation and Management sub-scheme of the KSDMA plan funds, the project intends to identify and provide

financial support to model water conservation projects. The project funds are exclusively for structural mitigation of selected ponds in the State. State Disaster Response Fund and KSDMA Plan funds are used for this project with scientific and long manner planning. Some landmark outputs under the concept of this scheme are:

- Ente Kulam Ernakulam, 2016: Cleaned 51 ponds in various panchayaths of Ernakulam district with the help of ‘Anbodu Kochi’, a social media group of likeminded individuals. This may be the first scheme in the country which would have leveraged a social media group for disaster risk reduction
- Kulma Koru Biriyani Tharam scheme of Kozhikode district, 2016: Cleaned 26 ponds under this scheme

In the year 2012, the DDMA Malappuram applied a convergence of funds approach from various sources such as MGNREGA, KRWSA, own sources of panchayaths and the drought response fund from State Disaster Response Fund to create 516 minor check dams in the streams of the district. This innovative convergence resulted in ensuring that the amount of water supply through tankers in the district was bare minimum in that year which was a 100 year return interval drought year in the State. The check dams built using local materials such as sand filled gunny bags, twigs, boulders, wooden barks etc. ensure an eco-friendly approach to the entire process. These minor check dams ensured retention of water and recharge of surrounding open wells. Each check dam costed not more than Rs. 50,000/-

including labour. Most of the check dams became permanent impediments in the river bed over a period of 1 monsoon season by siltation and thereby ensuring continued water retention. In the year 2015, the DDMA Wayanad created 135 logwood check dams and Thrissur created 18 check dams, following the Malappuram Model. In line with the general principle of promoting non-structural minor water conservation



projects, the Authority intends to promote this successful model to other districts as well on a need basis as requested by the respective DDMAAs.

A concept of Water Kiosks was evolved in the discussions related to drought in 2012. The idea of a water kiosk is simple – a large 5000 to 10,000 liters of PVC water tank located on a pedestal in a public area with a tap attached to it. Water to the kiosk shall be filled in them by

district administration from approved water sources and a log book shall be maintained by the local ward member countersigned by the Village Officer concerned.

The concept was for the first time effectively implemented in Kannur district and hence it was projected as Kannur model vide GO (Rt) No. 5634/2015/DMD dated 8-05-2015 for wide implementation. Table below shows the number of water kiosks established in each district.

Sl. No	District	Number
1	Kannur	355
2	Kasargode	1
3	Thriuvananthapuram	27
4	Kozhikode	6
5	Alappuzha	264
6	Malappuram	34
7	Ernakulam	77

This model offers the following advantages:

- Reduce pilferage by making the water delivery locations fixed, thereby making the transportation cost fixed
- Ensure transparency of water usage – being in public locations, the possibility of misuse of water collected from the kiosks becomes less
- This method ensures that potable water is available in selected locations free of cost for the public. This model is promoted by the Authority for state-wide implementation.

## **Drought risk reduction - innovative models**

The State Drought Monitoring Cell has identified two innovative models for water conservation and ensuring drinking water availability. Attempts are ongoing to implement these models in Kerala on a pilot basis to begin with, they being:

### ***Rubber check dams***

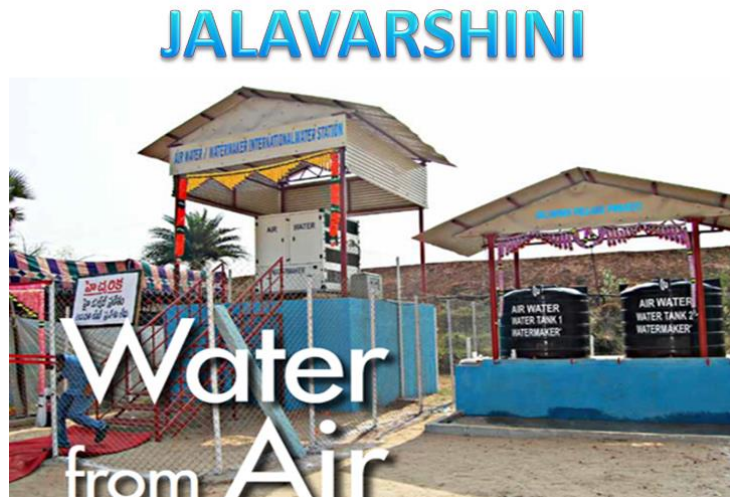
Rubber check dams are inflatable or hardened rubberised impediments that could be installed in streams to delay water flow. Such check dams are reusable and is very popular in Thailand and Malaysia. The KSDMA is attempting to install atleast one rubber check dam in the state as a pilot for demonstration purposes with a futuristic vision of locally manufacturing the product by developing indigenous technology. With millions of minor streams and rivulets, the use of this eco-friendly check dams ensures that the river thalweg is not permanently altered and the flow is not completely stopped ensuring the substance of the riverine ecosystem, but at the same time ensuring water retention and delayed flow ensuring local ground water recharge. By popularizing rubber check dams, it will open a new employment potential and much needed internal market to latex based industry.





## ***Atmospheric Water Maker***

Kerala's climate is highly favourable for setting-up condensation based drinking-water-source development. With the average relative humidity above 70% round the year and the six month long monsoon, the availability of moisture in the atmosphere is very high. Maritime location, high solar radiation, high wind and thick vegetation cover favours evapo-transpiration and thereby constant replenishment of atmospheric moisture content. Hence, tapping the atmospheric moisture is a sustainable source of drinking water. The condensation technique is a unique atmospheric water technology to produce and distribute potable purified water from the air. This optimized dehumidification technique condense water from air. Blower driven forced air is drawn into the system through



electrostatic filters. Within the machine's exterior, a housing compressor circulates refrigerant through a coil array located in the path of the air. The chilled coils provide a temperature differential between the air and coil surface resulting in condensation. Heat is removed by a heat exchanger. Freeze protection is thermostatically controlled. Once the water is produced the system is ready for dispensing. It requires only electricity or alternate energy sources for the functioning. Machine perform as per their rated output if relative humidity is between 70% - 75% and temperature range is from 25°C - 32°C, which is the normal atmospheric condition in Kerala. Hence, the technology is promising and cost effective, especially during emergency situations. Such systems have been experimentally installed in parts of Andhra Pradesh. The KSDMA is attempting to install one such pilot system in its own premises as a technology demonstrator.



Annexure 1: *Drought susceptibility of villages without perennial water bodies*

Sl. No	Village	Taluk	District	Drought Susceptibility 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 drought
8	Karivedakam	Kasaragod	Kasargod	Moderate drought
9	Panathady	Hosdurg	Kasargod	Moderate drought
10	Bare	Hosdurg	Kasargod	Moderate drought
11	Balal	Hosdurg	Kasargod	Moderate drought
12	Belur	Hosdurg	Kasargod	Moderate drought
13	Parappa	Hosdurg	Kasargod	Moderate drought
14	Thayannur	Hosdurg	Kasargod	Moderate drought
15	Ambalathara	Hosdurg	Kasargod	Moderate drought
16	Palavayal	Hosdurg	Kasargod	Moderate drought
17	Balla	Hosdurg	Kasargod	Moderate drought
18	Hosdrug	Hosdurg	Kasargod	Moderate drought
19	Timiri	Hosdurg	Kasargod	Moderate drought
20	Kodakkad	Hosdurg	Kasargod	Moderate drought
21	Maniyat	Hosdurg	Kasargod	Moderate drought
22	Thirumeni	Taliparamba	Kannur	Moderate drought
23	Peringome	Taliparamba	Kannur	Moderate drought
24	Vellad	Taliparamba	Kannur	Moderate drought
25	Alappadamba	Taliparamba	Kannur	Moderate drought
26	Vellora	Taliparamba	Kannur	Moderate drought
27	Perinthatta	Taliparamba	Kannur	Moderate drought
28	Naduvil	Taliparamba	Kannur	Moderate drought
29	Chuzhali	Taliparamba	Kannur	Moderate drought
30	Panniyur	Taliparamba	Kannur	Moderate drought
31	Nidiyenga	Taliparamba	Kannur	Moderate drought
32	Mayyil	Taliparamba	Kannur	Moderate drought
33	Koodali	Tellichery	Kannur	Moderate drought
34	Thillankeri	Tellichery	Kannur	Moderate drought
35	Kanhirod	Kannur	Kannur	Moderate drought
36	Azhikkod South	Kannur	Kannur	Moderate drought
37	Sivapuram	Tellichery	Kannur	Moderate drought
38	Tolambra	Tellichery	Kannur	Moderate drought
39	Pallikunnu	Kannur	Kannur	Moderate drought
40	Iriveri	Kannur	Kannur	Moderate drought
41	Chembiold	Kannur	Kannur	Moderate drought
42	Vellarveli	Tellichery	Kannur	Moderate drought
43	Kannur-II	Kannur	Kannur	Moderate drought
44	Kolayad	Tellichery	Kannur	Moderate drought
45	Kannavam	Tellichery	Kannur	Moderate drought
46	Manamteri	Tellichery	Kannur	Moderate drought

47	Kuthuparamba	Tellichery	Kannur	Moderate drought
48	Kadambur	Kannur	Kannur	Moderate drought
49	Kottayam	Tellichery	Kannur	Moderate drought
50	Eruvatti	Tellichery	Kannur	Moderate drought
51	Koravallur	Tellichery	Kannur	Moderate drought
52	Puthur	Tellichery	Kannur	Moderate drought
53	Panur	Tellichery	Kannur	Moderate drought
54	Vilangad	Vadakara	Kozhikkode	Moderate drought
55	Thinur	Vadakara	Kozhikkode	Moderate drought
56	Kavilumpara	Vadakara	Kozhikkode	Moderate drought
57	Azhiyur	Vadakara	Kozhikkode	Moderate drought
58	Kunummal	Vadakara	Kozhikkode	Moderate drought
59	Purameri	Vadakara	Kozhikkode	Moderate drought
60	Ayancheri	Vadakara	Kozhikkode	Moderate drought
61	Kottapalli	Vadakara	Kozhikkode	Moderate drought
62	Nochad	Quilandy	Kozhikkode	Moderate drought
63	Meppayur	Quilandy	Kozhikkode	Moderate drought
64	Kozhukallur	Quilandy	Kozhikkode	Moderate drought
65	Kedavoor	Kozhikkode	Kozhikkode	Moderate drought
66	Koorachundu	Quilandy	Kozhikkode	Moderate drought
67	Nellippoyil	Kozhikkode	Kozhikkode	Moderate drought
68	Kottur	Quilandy	Kozhikkode	Moderate drought
69	Unnikulam	Quilandy	Kozhikkode	Moderate drought
70	Sivapuram	Quilandy	Kozhikkode	Moderate drought
71	Nanminda	Kozhikkode	Kozhikkode	Moderate drought
72	Narikuni	Kozhikkode	Kozhikkode	Moderate drought
73	Kakkur	Kozhikkode	Kozhikkode	Moderate drought
74	Puthiyangadi	Kozhikkode	Kozhikkode	Moderate drought
75	Chelavoor	Kozhikkode	Kozhikkode	Moderate drought
76	Kuttikattur	Kozhikkode	Kozhikkode	Moderate drought
77	Nellicode	Kozhikkode	Kozhikkode	Moderate drought
78	Onchiyom	Vadakara	Kozhikkode	Drought
79	Chorode	Vadakara	Kozhikkode	Drought
80	Villyappalli	Vadakara	Kozhikkode	Drought
81	Padichira	Sulthan Bathery	Wayanad	Severe drought
82	Kidangad	Sulthan Bathery	Wayanad	Severe drought
83	Iulam	Sulthan Bathery	Wayanad	Severe drought
84	Nadavayal	Sulthan Bathery	Wayanad	Severe drought
85	Kaniyambetta	Vythiri	Wayanad	Severe drought
86	Poothadi	Sulthan Bathery	Wayanad	Severe drought
87	Purakkadi	Sulthan Bathery	Wayanad	Severe drought
88	Kuppady	Sulthan Bathery	Wayanad	Severe drought
89	Krishnagiri	Sulthan Bathery	Wayanad	Severe drought
90	Sulthan Bathery	Sulthan Bathery	Wayanad	Severe drought
91	Muttill North	Vythiri	Wayanad	Severe drought
92	Nenmeri	Sulthan Bathery	Wayanad	Severe drought
93	Ambalavayal	Sulthan Bathery	Wayanad	Severe drought
94	Muttill South	Vythiri	Wayanad	Severe drought

95	Kalpetta	Vythiri	Wayanad	Severe drought
96	Cheeral	Sulthan Bathery	Wayanad	Severe drought
97	Thrikkaipetta	Vythiri	Wayanad	Severe drought
98	Thomattuchal	Sulthan Bathery	Wayanad	Severe drought
99	Kottappady	Vythiri	Wayanad	Severe drought
100	Kurrathidavaka	Vythiri	Wayanad	Moderate drought
101	Vettilappara	Eranad	Malappuram	Moderate drought
102	Tiruvali	Nilambur	Malappuram	Moderate drought
103	Muthuvallur	Eranad	Malappuram	Moderate drought
104	Pulikkal	Eranad	Malappuram	Moderate drought
105	Kuzhimanna	Eranad	Malappuram	Moderate drought
106	Cherukavu	Eranad	Malappuram	Moderate drought
107	Karakunnu	Eranad	Malappuram	Moderate drought
108	Porur	Nilambur	Malappuram	Moderate drought
109	Elankur	Eranad	Malappuram	Moderate drought
110	Pulppatta	Eranad	Malappuram	Moderate drought
111	Pallikkal	Tirurngadi	Malappuram	Moderate drought
112	Kondotti	Eranad	Malappuram	Moderate drought
113	Trikalangod	Eranad	Malappuram	Moderate drought
114	Morrayur	Eranad	Malappuram	Moderate drought
115	Chembrasserri	Eranad	Malappuram	Moderate drought
116	Nediyirappa	Eranad	Malappuram	Moderate drought
117	Narukara	Eranad	Malappuram	Moderate drought
118	Pukkottur	Eranad	Malappuram	Moderate drought
119	Peruvallur	Tirurngadi	Malappuram	Moderate drought
120	Kannamangalam	Tirurngadi	Malappuram	Moderate drought
121	Mankada	Perinthalmanna	Malappuram	Moderate drought
122	Vadakkangara	Perinthalmanna	Malappuram	Moderate drought
123	Nannambra	Tirurngadi	Malappuram	Moderate drought
124	Kariyavattam	Perinthalmanna	Malappuram	Moderate drought
125	Vettathur	Perinthalmanna	Malappuram	Moderate drought
126	Valambur	Perinthalmanna	Malappuram	Moderate drought
127	Puzhakkattiri	Perinthalmanna	Malappuram	Moderate drought
128	Kottakkal	Tirur	Malappuram	Moderate drought
129	Arakkuparamba	Perinthalmanna	Malappuram	Moderate drought
130	Perinthalmanna	Perinthalmanna	Malappuram	Moderate drought
131	Perumanna	Tirur	Malappuram	Moderate drought
132	Ozhur	Tirur	Malappuram	Moderate drought
133	Thazhakkode	Perinthalmanna	Malappuram	Moderate drought
134	Angadipuram	Perinthalmanna	Malappuram	Moderate drought
135	Padayikkara	Perinthalmanna	Malappuram	Moderate drought
136	Ponmundam	Tirur	Malappuram	Moderate drought
137	Malmuri	Tirur	Malappuram	Moderate drought
138	Marakkara	Tirur	Malappuram	Moderate drought
139	Kalpakancheri	Tirur	Malappuram	Moderate drought
140	Tanalur	Tirur	Malappuram	Moderate drought
141	Valavannur	Tirur	Malappuram	Moderate drought
142	Edayur	Tirur	Malappuram	Moderate drought

143	Kurumbathur	Tirur	Malappuram	Moderate drought
144	Niramarudur	Tirur	Malappuram	Moderate drought
145	Athavanad	Tirur	Malappuram	Moderate drought
146	Kattipparuthi	Tirur	Malappuram	Moderate drought
147	Ananthavur	Tirur	Malappuram	Moderate drought
148	Vattamkulam	Ponnani	Malappuram	Moderate drought
149	Alankad	Ponnani	Malappuram	Moderate drought
150	Sholayur	Mannarkad	Palakkad	Moderate drought
151	Kottopadam-III	Mannarkad	Palakkad	Moderate drought
152	Palakkayam	Mannarkad	Palakkad	Moderate drought
153	Kottopadam-II	Mannarkad	Palakkad	Moderate drought
154	Vilayur	Ottappalam	Palakkad	Moderate drought
155	Kadambazhipuram-I	Ottappalam	Palakkad	Moderate drought
156	Sreekrishnapuram-II	Ottappalam	Palakkad	Moderate drought
157	Trikkaderi-II	Ottappalam	Palakkad	Moderate drought
158	Kongad-I	Palakkad	Palakkad	Moderate drought
159	Koppam	Ottappalam	Palakkad	Moderate drought
160	Komgad-II	Palakkad	Palakkad	Moderate drought
161	Mundur-II	Palakkad	Palakkad	Moderate drought
162	Trikkaderi-I	Ottappalam	Palakkad	Moderate drought
163	Vallappuzha	Ottappalam	Palakkad	Moderate drought
164	Chalavara	Ottappalam	Palakkad	Moderate drought
165	Ambalapara-II	Ottappalam	Palakkad	Moderate drought
166	Anangunadi	Ottappalam	Palakkad	Moderate drought
167	Ambalapara-I	Ottappalam	Palakkad	Moderate drought
168	Ongallur-I	Ottappalam	Palakkad	Moderate drought
169	Mannur	Palakkad	Palakkad	Moderate drought
170	Kappur	Ottappalam	Palakkad	Moderate drought
171	Lakkidiperur-I	Ottappalam	Palakkad	Moderate drought
172	Vaniyamkulam-I	Ottappalam	Palakkad	Moderate drought
173	Maratharad	Palakkad	Palakkad	Moderate drought
174	Nagalasseri	Ottappalam	Palakkad	Moderate drought
175	Chalisseri	Ottappalam	Palakkad	Moderate drought
176	Thirumittakod-II	Ottappalam	Palakkad	Moderate drought
177	Mathur-I	Alathur	Palakkad	Moderate drought
178	Kuzhalmannam-II	Alathur	Palakkad	Moderate drought
179	Kuthanur-II	Alathur	Palakkad	Moderate drought
180	Kuthanur-I	Alathur	Palakkad	Moderate drought
181	Kuzhalmannam-I	Alathur	Palakkad	Moderate drought
182	Thenkurussi-I	Alathur	Palakkad	Moderate drought
183	Koduvayur-I	Chittur	Palakkad	Moderate drought
184	Thenkurussi-II	Alathur	Palakkad	Moderate drought
185	Pudunagaram	Chittur	Palakkad	Moderate drought
186	Koduvayur-II	Chittur	Palakkad	Moderate drought
187	Pattancherry	Chittur	Palakkad	Moderate drought
188	Kannambra-I	Alathur	Palakkad	Moderate drought
189	Ayloor	Chittur	Palakkad	Moderate drought
190	Thiruvazhiyad	Chittur	Palakkad	Moderate drought

191	Kairady	Chittur	Palakkad	Moderate drought
192	Arangottukara	Thalappally	Thrissur	Moderate drought
193	Thalassery	Thalappally	Thrissur	Moderate drought
194	Pilakkad	Thalappally	Thrissur	Moderate drought
195	Thichur	Thalappally	Thrissur	Moderate drought
196	Varavoor	Thalappally	Thrissur	Moderate drought
197	Thrissur	Thalappally	Thrissur	Moderate drought
198	Perumpilavu	Thalappally	Thrissur	Moderate drought
199	Karikkad	Thalappally	Thrissur	Moderate drought
200	Pazhinji	Thalappally	Thrissur	Moderate drought
201	Chelakkode	Thalappally	Thrissur	Moderate drought
202	Chiramangad	Thalappally	Thrissur	Moderate drought
203	Akathiyoor	Thalappally	Thrissur	Moderate drought
204	Vellarakkad	Thalappally	Thrissur	Moderate drought
205	Pulakkode	Thalappally	Thrissur	Moderate drought
206	Porkalam	Thalappally	Thrissur	Moderate drought
207	Mangad	Thalappally	Thrissur	Moderate drought
208	Pangrappilly	Thalappally	Thrissur	Moderate drought
209	Chowannur	Thalappally	Thrissur	Moderate drought
210	Vadakkekad	Chavakkad	Thrissur	Moderate drought
211	Anjur	Thalappally	Thrissur	Moderate drought
212	Kunnamkullam	Thalappally	Thrissur	Moderate drought
213	Puthuruthy	Thalappally	Thrissur	Moderate drought
214	Vennur	Thalappally	Thrissur	Moderate drought
215	Velur	Thalappally	Thrissur	Moderate drought
216	Chemmanthatta	Thalappally	Thrissur	Moderate drought
217	Mundathikode	Thalappally	Thrissur	Moderate drought
218	Vailathur	Chavakkad	Thrissur	Moderate drought
219	Kanaipayyur	Thalappally	Thrissur	Moderate drought
220	Elanad	Thalappally	Thrissur	Moderate drought
221	Thekkumkara	Thalappally	Thrissur	Moderate drought
222	Peringandoor	Thalappally	Thrissur	Moderate drought
223	Minalur	Thalappally	Thrissur	Moderate drought
224	Arthat	Thalappally	Thrissur	Moderate drought
225	Pookode	Chavakkad	Thrissur	Moderate drought
226	Kiralur	Thalappally	Thrissur	Moderate drought
227	Thangaloor	Thrissur	Thrissur	Moderate drought
228	Trinngappurom	Chavakkad	Thrissur	Moderate drought
229	Kandanassery	Thalappally	Thrissur	Moderate drought
230	Kaiparamba	Thrissur	Thrissur	Moderate drought
231	Velappaya	Thrissur	Thrissur	Moderate drought
232	Killannur	Thrissur	Thrissur	Moderate drought
233	Avannur	Thrissur	Thrissur	Moderate drought
234	Thaikkad	Chavakkad	Thrissur	Moderate drought
235	Choolissery	Thrissur	Thrissur	Moderate drought
236	Kolazhy	Thrissur	Thrissur	Moderate drought
237	Pattore	Thrissur	Thrissur	Moderate drought
238	Kurichikkara	Thrissur	Thrissur	Moderate drought

239	Brahmakulom	Chavakkad	Thrissur	Moderate drought
240	Kuttoor	Thrissur	Thrissur	Moderate drought
241	Viyur	Thrissur	Thrissur	Moderate drought
242	Vilrattam	Thrissur	Thrissur	Moderate drought
243	Nettissery	Thrissur	Thrissur	Moderate drought
244	Punkunnam	Thrissur	Thrissur	Moderate drought
245	Perungavu	Thrissur	Thrissur	Moderate drought
246	Chmvukavu	Thrissur	Thrissur	Moderate drought
247	Mannamangalom	Thrissur	Thrissur	Moderate drought
248	Ollur	Thrissur	Thrissur	Moderate drought
249	Edakkunni	Thrissur	Thrissur	Moderate drought
250	Avanissery	Thrissur	Thrissur	Moderate drought
251	Kizhakkummuri	Thrissur	Thrissur	Moderate drought
252	Vellikuangara	Mukundapuram	Thrissur	Moderate drought
253	Kodakara	Mukundapuram	Thrissur	Moderate drought
254	Kodassery	Mukundapuram	Thrissur	Moderate drought
255	Kallettumkara	Mukundapuram	Thrissur	Moderate drought
256	Kuttichira	Mukundapuram	Thrissur	Moderate drought
257	Kadappashery	Mukundapuram	Thrissur	Moderate drought
258	Perambra	Mukundapuram	Thrissur	Moderate drought
259	Potta	Mukundapuram	Thrissur	Moderate drought
260	Thazhakkad	Mukundapuram	Thrissur	Moderate drought
261	Vellokkara	Mukundapuram	Thrissur	Moderate drought
262	Kottanellur	Mukundapuram	Thrissur	Moderate drought
263	Koolimuttom	Kodungathur	Thrissur	Moderate drought
264	Kizhakkummuri	Mukundapuram	Thrissur	Moderate drought
265	Muringoor Thekkummuri	Mukundapuram	Thrissur	Moderate drought
266	Padinjarevemballur	Kodungathur	Thrissur	Moderate drought
267	Edavilengu	Kodungathur	Thrissur	Moderate drought
268	Kuruviiassery	Mukundapuram	Thrissur	Moderate 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	Ernakulam	Moderate drought
277	Manjapra	Aluva	Ernakulam	Moderate drought
278	Thuravoor	Aluva	Ernakulam	Moderate drought
279	Vengoor West	Kunnathunael	Ernakulam	Moderate drought
280	Vengoor	Kunnathunael	Ernakulam	Moderate drought
281	Kottapadi	Kothimangalam	Ernakulam	Moderate drought
282	Perumbaroor	Kunnathunael	Ernakulam	Moderate drought
283	Asamannoor	Kunnathunael	Ernakulam	Moderate drought
284	Rayamangolam	Kunnathunael	Ernakulam	Moderate drought
285	Vengola	Kunnathunael	Ernakulam	Moderate drought
286	Trikariyoor	Kothimangalam	Ernakulam	Moderate drought

287	Vazhakkulam	Kunnathunael	Ernakulam	Moderate drought
288	Kuttamangalam	Kothimangalam	Ernakulam	Moderate drought
289	Arakkapady	Kunnathunael	Ernakulam	Moderate drought
290	Iramalloor	Kothimangalam	Ernakulam	Moderate drought
291	Kizhakkomsalam	Kunnathunael	Ernakulam	Moderate drought
292	Pattimattom	Kunnathunael	Ernakulam	Moderate drought
293	Irapuram	Kunnathunael	Ernakulam	Moderate drought
294	Mulavur	Muvattupuzha	Ernakulam	Moderate drought
295	Mazhuvannoor	Kunnathunael	Ernakulam	Moderate drought
296	POthanikadu	Kothimangalam	Ernakulam	Moderate drought
297	Kunnathinad	Kunnathunael	Ernakulam	Moderate drought
298	Vadavcode	Kunnathunael	Ernakulam	Moderate drought
299	Onakkur	Muvattupuzha	Ernakulam	Moderate drought
300	Thirumarady	Muvattupuzha	Ernakulam	Moderate drought
301	Kanayannur	Kanayannur	Ernakulam	Moderate drought
302	Palakuzha	Muvattupuzha	Ernakulam	Moderate drought
303	Edakkattuvayal	Kanayannur	Ernakulam	Moderate drought
304	Koothattukulam	Muvattupuzha	Ernakulam	Moderate drought
305	Elanji	Muvattupuzha	Ernakulam	Moderate drought
306	Kaipattur	Kanayannur	Ernakulam	Moderate drought
307	Kulayettikara	Kanayannur	Ernakulam	Moderate drought
308	Cherdhala South	Cherthala	Alapuzha	Severe Drought
309	Padhirappally	Ambalapuzha	Alapuzha	Severe Drought
310	Ala	Chengannur	Alapuzha	Severe Drought
311	Muthukalom	Karthikapally	Alapuzha	Severe Drought
312	Thekkekara	Mavelikara	Alapuzha	Severe Drought
313	Perungala	Mavelikara	Alapuzha	Severe Drought
314	Chusakkara	Mavelikara	Alapuzha	Severe Drought
315	Palamel	Mavelikara	Alapuzha	Severe Drought
316	Kattanam	Mavelikara	Alapuzha	Severe Drought
317	Bharanikavu	Mavelikara	Alapuzha	Severe Drought
318	Thamarakulam	Mavelikara	Alapuzha	Severe Drought
319	Perumbalam	Cherthala	Alapuzha	Moderate drought
320	Kanjikuzha	Cherthala	Alapuzha	Moderate drought
321	Marainkulam North	Cherthala	Alapuzha	Moderate drought
322	Munnilavu	Meenachil	Kottayam	Severe drought
323	Poonjar Vadakkekara	Meenachil	Kottayam	Severe drought
324	Vakdhanam	Changanassery	Kottayam	Severe drought
325	Thottakkadu	Changanassery	Kottayam	Severe drought
326	Karukachal	Changanassery	Kottayam	Severe drought
327	Nedumkunnam	Changanassery	Kottayam	Severe drought
328	Madappalli	Changanassery	Kottayam	Severe drought
329	Chettiruzha	Changanassery	Kottayam	Severe drought
330	Thrikodathanam	Changanassery	Kottayam	Severe drought
331	Paippad	Changanassery	Kottayam	Severe drought
332	Veliyannur	Meenachil	Kottayam	Moderate drought
333	Ramapuram	Meenachil	Kottayam	Moderate drought
334	Kadanad	Meenachil	Kottayam	Moderate drought



335	Monippally	Meenachil	Kottayam	Moderate drought
336	Neezhoor	Vaikom	Kottayam	Moderate drought
337	Melukavu	Meenachil	Kottayam	Moderate drought
338	Uzhavoor	Meenachil	Kottayam	Moderate drought
339	Kuravilangadu	Meenachil	Kottayam	Moderate drought
340	Kurichithanam	Meenachil	Kottayam	Moderate drought
341	Vallichira	Meenachil	Kottayam	Moderate drought
342	Elackad	Meenachil	Kottayam	Moderate drought
343	Thekkoy	Meenachil	Kottayam	Moderate drought
344	Poonjar Nadubhagam	Meenachil	Kottayam	Moderate drought
345	Poonjar Thekkkara	Meenachil	Kottayam	Moderate drought
346	Elikulam	Kanjirapally	Kottayam	Moderate drought
347	Chengalam East	Kottayam	Kottayam	Moderate drought
348	Elamkulam	Kanjirapally	Kottayam	Moderate drought
349	Anikad	Kottayam	Kottayam	Moderate drought
350	Pampady	Kottayam	Kottayam	Moderate drought
351	Vazhur	Changanassery	Kottayam	Moderate drought
352	Meenadom	Kottayam	Kottayam	Moderate drought
353	Kangazhu	Changanassery	Kottayam	Moderate drought
354	Kannan devan hills	Devikulam	Idukki	Severe Drought
355	Pallivasal	Devikulam	Idukki	Severe Drought
356	Anaviratty	Devikulam	Idukki	Severe Drought
357	Chadhuramgapara	Udumbonchola	Idukki	Severe Drought
358	Karimannur	Todupuzha	Idukki	Severe Drought
359	Purapuzha	Todupuzha	Idukki	Severe Drought
360	Pampadumpara	Udumbonchola	Idukki	Severe Drought
361	Kattappana	Udumbonchola	Idukki	Severe Drought
362	Vagomom	Peermed	Idukki	Severe Drought
363	Anakara	Udumbonchola	Idukki	Severe 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
370	Perumpetty	Mallappally	Pathanamthitta	Severe drought
371	Ezhumattoor	Mallappally	Pathanamthitta	Severe drought
372	Thelloor	Mallappally	Pathanamthitta	Severe drought
373	Naranganam	Kozhenchery	Pathanamthitta	Severe drought
374	Mylapra	Kozhenchery	Pathanamthitta	Severe drought
375	Kidangannur	Kozhenchery	Pathanamthitta	Severe drought
376	Elanthur	Kozhenchery	Pathanamthitta	Severe drought
377	V.Kottayam	Kozhenchery	Pathanamthitta	Severe drought
378	Angadickal	Adoor	Pathanamthitta	Severe drought
379	Kodumon	Adoor	Pathanamthitta	Severe drought
380	Adoor	Adoor	Pathanamthitta	Severe 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 drought
386	Enadimangalam	Adoor	Pathanamthitta	Severe drought
387	Erath	Adoor	Pathanamthitta	Severe drought
388	Chethakal	Ranni	Pathanamthitta	Moderate drought
389	Sooranad North	Kunnathur	Kollam	Severe drought
390	Ochira	Karunagapally	Kollam	Severe drought
391	Thazhava	Karunagapally	Kollam	Severe drought
392	Poruvazhy	Kunnathur	Kollam	Severe drought
393	Thalavoor	Pathanapuram	Kollam	Severe drought
394	Mylom	Kottarakkara	Kollam	Severe drought
395	Neduvathoor	Kottarakkara	Kollam	Severe drought
396	Melila	Kottarakkara	Kollam	Severe drought
397	Kottarakkara	Kottarakkara	Kollam	Severe drought
398	Karavallor	Pathanapuram	Kollam	Severe 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
405	Karupra	Kottarakkara	Kollam	Severe drought
406	Elampalloor	Kollam	Kollam	Severe drought
407	Valakom	Kottarakkara	Kollam	Severe drought
408	Yeroor	Pathanapuram	Kollam	Severe drought
409	Nedumpana	Kollam	Kollam	Severe drought
410	Kottankara	Kollam	Kollam	Severe drought
411	Veliyam	Kottarakkara	Kollam	Severe drought
412	Pallimon	Kollam	Kollam	Severe drought
413	Alayamon	Pathanapuram	Kollam	Severe drought
414	Kilikolloor	Kollam	Kollam	Severe drought
415	Channapetta	Pathanapuram	Kollam	Severe drought
416	Ihiva	Kottarakkara	Kollam	Severe drought
417	Kadakkal	Kottarakkara	Kollam	Severe drought
418	Nilamel	Kottarakkara	Kollam	Severe drought
419	Chithara	Kottarakkara	Kollam	Severe drought
420	Parippally	Kollam	Kollam	Severe drought
421	Kummil	Kottarakkara	Kollam	Severe drought
422	Malkode	Kottarakkara	Kollam	Severe drought
423	Madavur	Chirayinkeezhu	Thiruvananthapuram	Severe drought
424	Kilimanur	Chirayinkeezhu	Thiruvananthapuram	Severe drought
425	Navikulam	Chirayinkeezhu	Thiruvananthapuram	Severe drought
426	Pazhayakurummel	Chirayinkeezhu	Thiruvananthapuram	Severe drought
427	Vallalur	Chirayinkeezhu	Thiruvananthapuram	Severe drought
428	Pangode	Nedumangad	Thiruvananthapuram	Severe drought
429	Chammaruthy	Chirayinkeezhu	Thiruvananthapuram	Severe drought
430	Karavaram	Chirayinkeezhu	Thiruvananthapuram	Severe drought

431	Panavoor	Nedumangad	Thiruvananthapuram	Severe drought
432	Kurupuzha	Nedumangad	Thiruvananthapuram	Severe drought
433	Edakode	Chirayinkeezhu	Thiruvananthapuram	Severe drought
434	Tholicode	Nedumangad	Thiruvananthapuram	Severe drought
435	Koliakkode	Nedumangad	Thiruvananthapuram	Severe drought
436	Manikkal	Nedumangad	Thiruvananthapuram	Severe drought
437	Kizhthonnakkal	Thiruvananthapuram	Thiruvananthapuram	Severe drought
438	Melthonnakkal	Thiruvananthapuram	Thiruvananthapuram	Severe drought
439	Thekkada	Nedumangad	Thiruvananthapuram	Severe drought
440	Anad	Nedumangad	Thiruvananthapuram	Severe drought
441	Karipur	Nedumangad	Thiruvananthapuram	Severe drought
442	Vembayam	Nedumangad	Thiruvananthapuram	Severe drought
443	Andoorkonam	Thiruvananthapuram	Thiruvananthapuram	Severe drought
444	Nedumangad	Nedumangad	Thiruvananthapuram	Severe drought
445	Ayirupara	Thiruvananthapuram	Thiruvananthapuram	Severe drought
446	Uliyazhayhura	Thiruvananthapuram	Thiruvananthapuram	Severe drought
447	Vattappara	Nedumangad	Thiruvananthapuram	Severe drought
448	Karakulam	Nedumangad	Thiruvananthapuram	Severe drought
449	Pangappara	Thiruvananthapuram	Thiruvananthapuram	Severe drought
450	Kudappanakunnu	Thiruvananthapuram	Thiruvananthapuram	Severe drought
451	Ulloor	Thiruvananthapuram	Thiruvananthapuram	Severe drought
452	Perrorkadu	Thiruvananthapuram	Thiruvananthapuram	Severe drought
453	Vattiyorkavu	Thiruvananthapuram	Thiruvananthapuram	Severe drought
454	Malayinkizh	Neyyattinkara	Thiruvananthapuram	Severe drought
455	Vellarada	Neyyattinkara	Thiruvananthapuram	Severe drought
456	Pallichal	Neyyattinkara	Thiruvananthapuram	Severe drought
457	Anavur	Neyyattinkara	Thiruvananthapuram	Severe drought
458	Altiyannur	Neyyattinkara	Thiruvananthapuram	Severe drought
459	Kunnathukal	Neyyattinkara	Thiruvananthapuram	Severe drought
460	Kollagil	Neyyattinkara	Thiruvananthapuram	Severe drought
461	Parsala	Neyyattinkara	Thiruvananthapuram	Severe drought
462	Kowdiar	Thiruvananthapuram	Thiruvananthapuram	Moderate drought
463	Pattom	Thiruvananthapuram	Thiruvananthapuram	Moderate drought
464	Sasthamangalam	Thiruvananthapuram	Thiruvananthapuram	Moderate drought
465	Vanchiyoor	Thiruvananthapuram	Thiruvananthapuram	Moderate drought

*Annexure 2: Drought susceptibility of villages with perennial water bodies*

<b>Sl.No</b>	<b>Village</b>	<b>Taluk</b>	<b>District</b>	<b>Drought Susceptibility class</b>
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 Drought
7	Uppala	Kasaragod	Kasargod	Moderate Drought
8	Knmakje	Kasaragod	Kasargod	Moderate Drought
9	Kayyar	Kasaragod	Kasargod	Moderate Drought
10	Ichlangod	Kasaragod	Kasargod	Moderate Drought
11	Obadoor	Kasaragod	Kasargod	Moderate Drought
12	Maire	Kasaragod	Kasargod	Moderate Drought
13	Bombnrana	Kasaragod	Kasargod	Moderate Drought
14	Edanad	Kasaragod	Kasargod	Moderate Drought
15	Badiadka	Kasaragod	Kasargod	Moderate Drought
16	Koipady	Kasaragod	Kasargod	Moderate Drought
17	Nearchal	Kasaragod	Kasargod	Moderate Drought
18	Kunbdaje	Kasaragod	Kasargod	Moderate Drought
19	Adhur	Kasaragod	Kasargod	Moderate Drought
20	Madhur	Kasaragod	Kasargod	Moderate Drought
21	Pady	Kasaragod	Kasargod	Moderate Drought
22	Kudlu	Kasaragod	Kasargod	Moderate Drought
23	Adoor	Kasaragod	Kasargod	Moderate Drought
24	Chengala	Kasaragod	Kasargod	Moderate Drought
25	Muliyar	Kasaragod	Kasargod	Moderate Drought
26	Talangare	Kasaragod	Kasargod	Moderate Drought
27	Kuttikole	Kasaragod	Kasargod	Moderate Drought
28	Munnad	Kasaragod	Kasargod	Moderate Drought
29	Thekkil	Kasaragod	Kasargod	Moderate Drought
30	Kalnad	Kasaragod	Kasargod	Moderate Drought
31	Bedadka	Kasaragod	Kasargod	Moderate Drought
32	Kolathur	Kasaragod	Kasargod	Moderate Drought
33	Kallar	Hosdurg	Kasargod	Moderate Drought
34	Panayal	Hosdurg	Kasargod	Moderate Drought
35	Udma	Hosdurg	Kasargod	Moderate Drought
36	Periye	Hosdurg	Kasargod	Moderate Drought
37	Pallikere-II	Hosdurg	Kasargod	Moderate Drought
38	Kodoph	Hosdurg	Kasargod	Moderate Drought
39	Pullur	Hosdurg	Kasargod	Moderate Drought
40	Pallikere-I	Hosdurg	Kasargod	Moderate Drought
41	Maloth	Hosdurg	Kasargod	Moderate Drought
42	Keekan	Hosdurg	Kasargod	Moderate Drought
43	Chittari	Hosdurg	Kasargod	Moderate Drought
44	Westeleri	Hosdurg	Kasargod	Moderate Drought
45	Ajnur	Hosdurg	Kasargod	Moderate Drought
46	Kinanur	Hosdurg	Kasargod	Moderate Drought

47	Chaittarikkal	Hosdurg	Kasargod	Moderate Drought
48	Beemanadi	Hosdurg	Kasargod	Moderate Drought
49	Karindalam	Hosdurg	Kasargod	Moderate Drought
50	Madakai	Hosdurg	Kasargod	Moderate Drought
51	Kanhongad	Hosdurg	Kasargod	Moderate Drought
52	Pudukai	Hosdurg	Kasargod	Moderate Drought
53	Cheemeni-II	Hosdurg	Kasargod	Moderate Drought
54	Cheemeni-I	Hosdurg	Kasargod	Moderate Drought
55	Kayyur	Hosdurg	Kasargod	Moderate Drought
56	Perol	Hosdurg	Kasargod	Moderate Drought
57	Nileshwar	Hosdurg	Kasargod	Moderate Drought
58	Kilakode	Hosdurg	Kasargod	Moderate Drought
59	Cheruvathur	Hosdurg	Kasargod	Moderate Drought
60	Padne	Hosdurg	Kasargod	Moderate Drought
61	Pilicode	Hosdurg	Kasargod	Moderate Drought
62	Udinoor	Hosdurg	Kasargod	Moderate Drought
63	Trikaripur North	Hosdurg	Kasargod	Moderate Drought
64	Trikaripur South	Hosdurg	Kasargod	Moderate Drought
65	Pulingom	Taliparamba	Kannur	Moderate Drought
66	Vayakkara	Taliparamba	Kannur	Moderate Drought
67	Alakkod	Taliparamba	Kannur	Moderate Drought
68	Thimiri	Taliparamba	Kannur	Moderate Drought
69	Peralam	Taliparamba	Kannur	Moderate Drought
70	Kuttur	Taliparamba	Kannur	Moderate Drought
71	Karivellur	Taliparamba	Kannur	Moderate Drought
72	Eraman	Taliparamba	Kannur	Moderate Drought
73	Kankol	Taliparamba	Kannur	Moderate Drought
74	Eruvessi	Taliparamba	Kannur	Moderate Drought
75	Vellur	Taliparamba	Kannur	Moderate Drought
76	Kuveri	Taliparamba	Kannur	Moderate Drought
77	Payyavur	Taliparamba	Kannur	Moderate Drought
78	Panappuzha	Kannur	Kannur	Moderate Drought
79	Korome	Taliparamba	Kannur	Moderate Drought
80	Pariyaram	Taliparamba	Kannur	Moderate Drought
81	Payyannur	Taliparamba	Kannur	Moderate Drought
82	Kadannappalli	Kannur	Kannur	Moderate Drought
83	Kunnimangalam	Kannur	Kannur	Moderate Drought
84	Cheruthazham	Kannur	Kannur	Moderate Drought
85	Vayathur	Taliparamba	Kannur	Moderate Drought
86	Nuchiyad	Taliparamba	Kannur	Moderate Drought
87	Kuttiyeri	Taliparamba	Kannur	Moderate Drought
88	Ramanthali	Taliparamba	Kannur	Moderate Drought
89	Ayyankunnu	Tellichery	Kannur	Moderate Drought
90	Velamana	Tellichery	Kannur	Moderate Drought
91	Srikantapuram	Taliparamba	Kannur	Moderate Drought
92	Ezhome	Kannur	Kannur	Moderate Drought
93	Taliparamba	Taliparamba	Kannur	Moderate Drought
94	Chengalayi	Taliparamba	Kannur	Moderate Drought

95	Kurumattur	Taliparamba	Kannur	Moderate Drought
96	Madeyi	Kannur	Kannur	Moderate Drought
97	Pattuvam	Taliparamba	Kannur	Moderate Drought
98	Kalliyad	Taliparamba	Kannur	Moderate Drought
99	Malapattan	Taliparamba	Kannur	Moderate Drought
100	Padiyur	Taliparamba	Kannur	Moderate Drought
101	Cherukunnu	Kannur	Kannur	Moderate Drought
102	Kayaralam	Taliparamba	Kannur	Moderate Drought
103	Aralam	Tellichery	Kannur	Moderate Drought
104	Andur	Taliparamba	Kannur	Moderate Drought
105	Payam	Tellichery	Kannur	Moderate Drought
106	Irikkur	Taliparamba	Kannur	Moderate Drought
107	Kannapuram	Kannur	Kannur	Moderate Drought
108	Morazha	Taliparamba	Kannur	Moderate Drought
109	Mattool	Kannur	Kannur	Moderate Drought
110	Kuttiyattur	Taliparamba	Kannur	Moderate Drought
111	Pattannur	Tellichery	Kannur	Moderate Drought
112	Keezhur	Tellichery	Kannur	Moderate Drought
113	Kolacheri	Taliparamba	Kannur	Moderate Drought
114	Kalliasseri	Kannur	Kannur	Moderate Drought
115	Chavassery	Tellichery	Kannur	Moderate Drought
116	Kolari	Tellichery	Kannur	Moderate Drought
117	Pappinisseri	Kannur	Kannur	Moderate Drought
118	Muzhakkunnu	Tellichery	Kannur	Moderate Drought
119	Narath	Kannur	Kannur	Moderate Drought
120	Cheleri	Taliparamba	Kannur	Moderate Drought
121	Maniyur	Taliparamba	Kannur	Moderate 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	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	Kandan Kunnu	Tellichery	Kannur	Moderate Drought



143	Kannur-I	Kannur	Kannur	Moderate Drought
144	Edakkad	Kannur	Kannur	Moderate Drought
145	Makreri	Kannur	Kannur	Moderate Drought
146	Mavilayi	Kannur	Kannur	Moderate Drought
147	Pathiriyad	Tellichery	Kannur	Moderate Drought
148	Cheruvancherry	Tellichery	Kannur	Moderate Drought
149	Pinarayi	Tellichery	Kannur	Moderate Drought
150	Pattayam	Tellichery	Kannur	Moderate Drought
151	Dharmadam	Tellichery	Kannur	Moderate Drought
152	Muzhappilangad	Kannur	Kannur	Moderate Drought
153	Tripangottur	Tellichery	Kannur	Moderate Drought
154	Kadirur	Tellichery	Kannur	Moderate Drought
155	Erannoli	Tellichery	Kannur	Moderate Drought
156	Talasseri	Tellichery	Kannur	Moderate Drought
157	Thiruvangad	Tellichery	Kannur	Moderate Drought
158	Pannyannur	Tellichery	Kannur	Moderate Drought
159	Kodiyeri	Tellichery	Kannur	Moderate Drought
160	Peringathur	Tellichery	Kannur	Moderate Drought
161	Chokli	Tellichery	Kannur	Moderate Drought
162	Chekkyad	Vadakara	Kozhikkode	Moderate Drought
163	Valayam	Vadakara	Kozhikkode	Moderate Drought
164	Vanimel	Vadakara	Kozhikkode	Moderate Drought
165	Narippetta	Vadakara	Kozhikkode	Moderate Drought
166	Thuner	Vadakara	Kozhikkode	Moderate Drought
167	Edacheri	Vadakara	Kozhikkode	Moderate Drought
168	Kayakkodi	Vadakara	Kozhikkode	Moderate Drought
169	Nadapuram	Vadakara	Kozhikkode	Moderate Drought
170	Eramala	Vadakara	Kozhikkode	Moderate Drought
171	Maruthonkara	Vadakara	Kozhikkode	Moderate Drought
172	Chembanoda	Quilandy	Kozhikkode	Moderate Drought
173	Kuttadi	Vadakara	Kozhikkode	Moderate Drought
174	Paleri	Quilandy	Kozhikkode	Moderate Drought
175	Velom	Vadakara	Kozhikkode	Moderate Drought
176	Changaroath	Quilandy	Kozhikkode	Moderate Drought
177	Chakkittapara	Quilandy	Kozhikkode	Moderate Drought
178	Perambra	Quilandy	Kozhikkode	Moderate Drought
179	Thiruvallur	Vadakara	Kozhikkode	Moderate Drought
180	Cheruvannur	Quilandy	Kozhikkode	Moderate Drought
181	Eravattur	Quilandy	Kozhikkode	Moderate Drought
182	Koothali	Quilandy	Kozhikkode	Moderate Drought
183	Maniyur	Vadakara	Kozhikkode	Moderate Drought
184	Meshanyam	Quilandy	Kozhikkode	Moderate 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 Drought
192	Keezhariyur	Quilandy	Kozhikkode	Moderate Drought
193	Kodancheri	Kozhikkode	Kozhikkode	Moderate Drought
194	Naduvannur	Quilandy	Kozhikkode	Moderate Drought
195	Avidanallur	Quilandy	Kozhikkode	Moderate Drought
196	Mudadi	Quilandy	Kozhikkode	Moderate Drought
197	Kinalur	Quilandy	Kozhikkode	Moderate Drought
198	Viyyur	Quilandy	Kozhikkode	Moderate Drought
199	Thiruvambadi	Kozhikkode	Kozhikkode	Moderate Drought
200	Engapuzha	Kozhikkode	Kozhikkode	Moderate Drought
201	Panangad	Quilandy	Kozhikkode	Moderate Drought
202	Ulliyeri	Quilandy	Kozhikkode	Moderate Drought
203	Panthalayini	Quilandy	Kozhikkode	Moderate Drought
204	Balusseri	Quilandy	Kozhikkode	Moderate Drought
205	Koodattayi	Kozhikkode	Kozhikkode	Moderate Drought
206	Raroth	Kozhikkode	Kozhikkode	Moderate Drought
207	Kodaranji	Kozhikkode	Kozhikkode	Moderate Drought
208	Atholi	Quilandy	Kozhikkode	Moderate Drought
209	Chengottukavu	Quilandy	Kozhikkode	Moderate Drought
210	Kizhakoath	Kozhikkode	Kozhikkode	Moderate Drought
211	Chenancheri	Quilandy	Kozhikkode	Moderate Drought
212	Vavad	Kozhikkode	Kozhikkode	Moderate Drought
213	Puthur	Kozhikkode	Kozhikkode	Moderate Drought
214	Thalakulathur	Kozhikkode	Kozhikkode	Moderate Drought
215	Chelannur	Kozhikkode	Kozhikkode	Moderate Drought
216	Neeleswaram	Kozhikkode	Kozhikkode	Moderate Drought
217	Koduralli	Kozhikkode	Kozhikkode	Moderate Drought
218	Madavoor	Kozhikkode	Kozhikkode	Moderate Drought
219	Elathur	Kozhikkode	Kozhikkode	Moderate Drought
220	Kakkodi	Kozhikkode	Kozhikkode	Moderate Drought
221	Chettamangalam	Kozhikkode	Kozhikkode	Moderate Drought
222	Thazhekode	Kozhikkode	Kozhikkode	Moderate Drought
223	Kuruvattur	Kozhikkode	Kozhikkode	Moderate Drought
224	Kummamangalam	Kozhikkode	Kozhikkode	Moderate Drought
225	Kumaranalloor	Kozhikkode	Kozhikkode	Moderate Drought
226	Poolakode	Kozhikkode	Kozhikkode	Moderate Drought
227	Kakkad	Kozhikkode	Kozhikkode	Moderate Drought
228	Vengeri	Kozhikkode	Kozhikkode	Moderate Drought
229	Kodiyallur	Kozhikkode	Kozhikkode	Moderate Drought
230	Chevayur	Kozhikkode	Kozhikkode	Moderate Drought
231	Peruvayal	Kozhikkode	Kozhikkode	Moderate Drought
232	Katcheri	Kozhikkode	Kozhikkode	Moderate Drought
233	Mavoor	Kozhikkode	Kozhikkode	Moderate Drought
234	Kuttuli	Kozhikkode	Kozhikkode	Moderate Drought
235	Kasaba	Kozhikkode	Kozhikkode	Moderate 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
243	Beypore	Kozhikkode	Kozhikkode	Moderate Drought
244	Ramanattukara	Kozhikkode	Kozhikkode	Moderate Drought
245	Feroke	Kozhikkode	Kozhikkode	Moderate Drought
246	Karuvanthuruthi	Kozhikkode	Kozhikkode	Moderate 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 Drought
253	Thrissileri	Mananthavady	Wayanad	Severe Drought
254	Pulpalli	Sulthan Bathery	Wayanad	Severe Drought
255	Payyampalli	Mananthavady	Wayanad	Severe Drought
256	Cherukattur	Mananthavady	Wayanad	Severe Drought
257	Panamaram	Mananthavady	Wayanad	Severe Drought
258	Anchukunnu	Mananthavady	Wayanad	Severe Drought
259	Kuppadithara	Vythiri	Wayanad	Severe Drought
260	Nulpuzha	Sulthan Bathery	Wayanad	Severe Drought
261	Kottathara	Vythiri	Wayanad	Severe Drought
262	Vengappalli	Vythiri	Wayanad	Severe Drought
263	Muppainad	Vythiri	Wayanad	Severe Drought
264	Vellarimala	Vythiri	Wayanad	Severe Drought
265	Thavinhal	Mananthavady	Wayanad	Moderate Drought
266	Mannanthavady	Mananthavady	Wayanad	Moderate Drought
267	Periya	Mananthavady	Wayanad	Moderate Drought
268	Valad	Mananthavady	Wayanad	Moderate Drought
269	Thondernad	Mananthavady	Wayanad	Moderate Drought
270	Kanjirangad	Mananthavady	Wayanad	Moderate Drought
271	Nallurnad	Mananthavady	Wayanad	Moderate Drought
272	Edavaka	Mananthavady	Wayanad	Moderate Drought
273	Porunnannur	Mananthavady	Wayanad	Moderate Drought
274	Vellamunda	Mananthavady	Wayanad	Moderate Drought
275	Padinharathara	Vythiri	Wayanad	Moderate Drought
276	Kavummandam	Vythiri	Wayanad	Moderate Drought
277	Tariyod	Vythiri	Wayanad	Moderate Drought
278	Achooranam	Vythiri	Wayanad	Moderate Drought
279	Pozhuthana	Vythiri	Wayanad	Moderate Drought
280	Chundel	Vythiri	Wayanad	Moderate Drought
281	Chungathara	Nilambur	Malappuram	Severe Drought
282	Kurumbalangodu	Nilambur	Malappuram	Severe Drought
283	Edakkara	Nilambur	Malappuram	Severe Drought
284	Valikadavu	Nilambur	Malappuram	Severe Drought
285	Akampadam	Nilambur	Malappuram	Moderate Drought
286	Karulai	Nilambur	Malappuram	Moderate Drought

287	Pullippadam	Nilambur	Malappuram	Moderate Drought
288	Nilambur	Nilambur	Malappuram	Moderate Drought
289	Amarambalam	Nilambur	Malappuram	Moderate Drought
290	Urangathiri	Eranad	Malappuram	Moderate Drought
291	Kizhuparamba	Eranad	Malappuram	Moderate Drought
292	Vazhakkad	Eranad	Malappuram	Moderate Drought
293	Parakkamanna	Eranad	Malappuram	Moderate Drought
294	Mambad	Nilambur	Malappuram	Moderate Drought
295	Edavam	Eranad	Malappuram	Moderate Drought
296	Chikkod	Eranad	Malappuram	Moderate Drought
297	Areacode	Eranad	Malappuram	Moderate Drought
298	Chokkad	Nilambur	Malappuram	Moderate Drought
299	Vazhayur	Eranad	Malappuram	Moderate Drought
300	Wandur	Nilambur	Malappuram	Moderate Drought
301	Kavanur	Eranad	Malappuram	Moderate Drought
302	Kalikavu	Nilambur	Malappuram	Moderate Drought
303	Vellayur	Nilambur	Malappuram	Moderate Drought
304	Kerala Estate	Nilambur	Malappuram	Moderate Drought
305	Chelembra	Tirurugadi	Malappuram	Moderate Drought
306	Thuvvur	Nilambur	Malappuram	Moderate Drought
307	Tennippalam	Tirurugadi	Malappuram	Moderate Drought
308	Vallikunnu	Tirurugadi	Malappuram	Moderate Drought
309	Karuvarakundu	Nilambur	Malappuram	Moderate Drought
310	Vettikkafiri	Eranad	Malappuram	Moderate Drought
311	Payyanad	Eranad	Malappuram	Moderate Drought
312	Manjiri	Eranad	Malappuram	Moderate Drought
313	Pandikkad	Eranad	Malappuram	Moderate Drought
314	Anakkayam	Eranad	Malappuram	Moderate Drought
315	Ariyallur	Tirurugadi	Malappuram	Moderate Drought
316	Moonniyur	Tirurugadi	Malappuram	Moderate Drought
317	Urakam	Tirurugadi	Malappuram	Moderate Drought
318	Pandalur	Eranad	Malappuram	Moderate Drought
319	Edapatta	Perinthalmanna	Malappuram	Moderate Drought
320	Melmuri	Eranad	Malappuram	Moderate Drought
321	Nemmini	Perinthalmanna	Malappuram	Moderate Drought
322	Koduvayur	Tirurugadi	Malappuram	Moderate Drought
323	Melattur	Perinthalmanna	Malappuram	Moderate Drought
324	Neduva	Tirurugadi	Malappuram	Moderate Drought
325	Parappanangadi	Tirurugadi	Malappuram	Moderate Drought
326	Kottilangadi	Perinthalmanna	Malappuram	Moderate Drought
327	Ranakkad	Eranad	Malappuram	Moderate Drought
328	Vengara	Tirurugadi	Malappuram	Moderate Drought
329	Kelzhattur	Perinthalmanna	Malappuram	Moderate Drought
330	Malappuram	Eranad	Malappuram	Moderate Drought
331	Othukungal	Tirurugadi	Malappuram	Moderate Drought
332	Tirurugadi	Tirurugadi	Malappuram	Moderate Drought
333	Kodur	Perinthalmanna	Malappuram	Moderate Drought
334	Parappur	Tirurugadi	Malappuram	Moderate Drought

335	Ponmala	Tirur	Malappuram	Moderate Drought
336	Thennala	Tirurugadi	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	Cheriyamundam	Tirur	Malappuram	Moderate Drought
345	Aliparamba	Perinthalmanna	Malappuram	Moderate Drought
346	Tirur	Tirur	Malappuram	Moderate Drought
347	Elamkulam	Perinthalmanna	Malappuram	Moderate Drought
348	Trikkandiyur	Tirur	Malappuram	Moderate Drought
349	Vettam	Tirur	Malappuram	Moderate Drought
350	Talakkad	Tirur	Malappuram	Moderate Drought
351	Irimbiliyam	Tirur	Malappuram	Moderate Drought
352	Naduvattam	Tirur	Malappuram	Moderate Drought
353	Thirunnavaya	Tirur	Malappuram	Moderate Drought
354	Thriprangode	Tirur	Malappuram	Moderate Drought
355	Kuttiapuram	Tirur	Malappuram	Moderate Drought
356	Mangalam	Tirur	Malappuram	Moderate Drought
357	Tavanur	Ponnani	Malappuram	Moderate Drought
358	Purathur	Tirur	Malappuram	Moderate Drought
359	Kalady	Ponnani	Malappuram	Moderate Drought
360	Izhuvattirutti	Ponnani	Malappuram	Moderate Drought
361	Edappal	Ponnani	Malappuram	Moderate Drought
362	Ponnani Nagaram	Ponnani	Malappuram	Moderate Drought
363	Marancheri	Ponnani	Malappuram	Moderate Drought
364	Veliyamkod	Ponnani	Malappuram	Moderate Drought
365	Nannamukku	Ponnani	Malappuram	Moderate Drought
366	Perumbadappu	Ponnani	Malappuram	Moderate Drought
367	Elappully-I	Palakkad	Palakkad	Severe Drought
368	Kodumba	Palakkad	Palakkad	Severe Drought
369	Elappully-II	Palakkad	Palakkad	Severe Drought
370	Nalleppilly	Chittur	Palakkad	Severe Drought
371	Polpulli	Palakkad	Palakkad	Severe Drought
372	Valiyavallampadhy	Chittur	Palakkad	Severe Drought
373	Thekkedeom	Chittur	Palakkad	Severe Drought
374	Peruvemba	Palakkad	Palakkad	Severe Drought
375	Chittur	Chittur	Palakkad	Severe Drought
376	Thathamangalam	Chittur	Palakkad	Severe Drought
377	Perumathy	Chittur	Palakkad	Severe Drought
378	Vamdithavalam	Chittur	Palakkad	Severe Drought
379	Muthalamada-I	Chittur	Palakkad	Severe Drought
380	Nelliampathy	Chittur	Palakkad	Severe Drought
381	Puthur	Mannarkad	Palakkad	Moderate Drought
382	Padavayal	Mannarkad	Palakkad	Moderate Drought

383	Agali	Mannarkad	Palakkad	Moderate 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
388	Payyanadam	Mannarkad	Palakkad	Moderate Drought
389	Mannarkad-I	Mannarkad	Palakkad	Moderate Drought
390	Alanellur-II	Mannarkad	Palakkad	Moderate Drought
391	Mannarkad-II	Mannarkad	Palakkad	Moderate Drought
392	Alanellur-I	Mannarkad	Palakkad	Moderate Drought
393	Pottasseri-I	Mannarkad	Palakkad	Moderate Drought
394	Kumaramputhur	Mannarkad	Palakkad	Moderate Drought
395	Pottasseri-II	Mannarkad	Palakkad	Moderate Drought
396	Tachambra	Mannarkad	Palakkad	Moderate Drought
397	Tachanattukara-I	Mannarkad	Palakkad	Moderate Drought
398	Karakurussi	Mannarkad	Palakkad	Moderate Drought
399	Karimpuzha-I	Ottappalam	Palakkad	Moderate Drought
400	Tachanattukara-II	Mannarkad	Palakkad	Moderate Drought
401	Karimpuzha-II	Ottappalam	Palakkad	Moderate Drought
402	Karimba-I	Mannarkad	Palakkad	Moderate Drought
403	Malampuzha-I	Palakkad	Palakkad	Moderate Drought
404	Puduppariyaram-I	Palakkad	Palakkad	Moderate Drought
405	Vellinezha	Ottappalam	Palakkad	Moderate Drought
406	Sreekrishnapuram-I	Ottappalam	Palakkad	Moderate Drought
407	Karimba-II	Mannarkad	Palakkad	Moderate Drought
408	Cherplachery	Ottappalam	Palakkad	Moderate Drought
409	Kadambazhipuram-II	Ottappalam	Palakkad	Moderate Drought
410	Kulukkallur	Ottappalam	Palakkad	Moderate Drought
411	Nellaya	Ottappalam	Palakkad	Moderate Drought
412	Thiruvegapura	Ottappalam	Palakkad	Moderate Drought
413	Pudusseri East	Palakkad	Palakkad	Moderate Drought
414	Akathethara	Palakkad	Palakkad	Moderate Drought
415	Mundur-I	Palakkad	Palakkad	Moderate Drought
416	Parudur	Ottappalam	Palakkad	Moderate Drought
417	Keralasseri	Palakkad	Palakkad	Moderate Drought
418	Pattambi	Ottappalam	Palakkad	Moderate Drought
419	Anakkara	Ottappalam	Palakkad	Moderate Drought
420	Muthuthala	Ottappalam	Palakkad	Moderate Drought
421	Puduppariyaram-II	Palakkad	Palakkad	Moderate Drought
422	Mankara	Palakkad	Palakkad	Moderate Drought
423	Pudusseri Central	Palakkad	Palakkad	Moderate Drought
424	Malampuzha-II	Palakkad	Palakkad	Moderate Drought
425	Parli-I	Palakkad	Palakkad	Moderate Drought
426	Pattitara	Ottappalam	Palakkad	Moderate Drought
427	Ottappalam-I	Ottappalam	Palakkad	Moderate Drought
428	Parli-II	Palakkad	Palakkad	Moderate Drought
429	Shornur-II	Ottappalam	Palakkad	Moderate Drought
430	Pudusseri West	Palakkad	Palakkad	Moderate Drought

431	Ozhalapathy	Chittur	Palakkad	Moderate Drought
432	Vadakarapathy	Chittur	Palakkad	Moderate Drought
433	Ongallur-II	Ottappalam	Palakkad	Moderate Drought
434	Trittala	Ottappalam	Palakkad	Moderate Drought
435	Palakkad-II	Palakkad	Palakkad	Moderate Drought
436	Pirayiri	Palakkad	Palakkad	Moderate Drought
437	Ottappalam-II	Ottappalam	Palakkad	Moderate Drought
438	Palakkad-I	Palakkad	Palakkad	Moderate Drought
439	Kottayi-I	Alathur	Palakkad	Moderate Drought
440	Shornur-I	Ottappalam	Palakkad	Moderate Drought
441	Vaniyamkulam-II	Ottappalam	Palakkad	Moderate Drought
442	Elappully-III	Palakkad	Palakkad	Moderate Drought
443	Thirumittakod-I	Ottappalam	Palakkad	Moderate Drought
444	Palakkad-III	Palakkad	Palakkad	Moderate Drought
445	Mathur-II	Alathur	Palakkad	Moderate Drought
446	Lakkidiperur-II	Ottappalam	Palakkad	Moderate Drought
447	Kottayi-II	Alathur	Palakkad	Moderate Drought
448	Eruthempathy	Chittur	Palakkad	Moderate Drought
449	Peringottukurussi-I	Alathur	Palakkad	Moderate Drought
450	Kozhinjampara	Chittur	Palakkad	Moderate Drought
451	Peringottukurussi-II	Alathur	Palakkad	Moderate Drought
452	Yakkara	Palakkad	Palakkad	Moderate Drought
453	Kannadi-I	Palakkad	Palakkad	Moderate Drought
454	Kannadi-II	Palakkad	Palakkad	Moderate Drought
455	Kozhipathy	Chittur	Palakkad	Moderate Drought
456	Tarur-I	Alathur	Palakkad	Moderate Drought
457	Tarur-II	Alathur	Palakkad	Moderate Drought
458	Erimayur-I	Alathur	Palakkad	Moderate Drought
459	Kavasseri-I	Alathur	Palakkad	Moderate Drought
460	Moolatharu	Chittur	Palakkad	Moderate Drought
461	Alathur	Alathur	Palakkad	Moderate Drought
462	Kavasseri-II	Alathur	Palakkad	Moderate Drought
463	Erimayur-II	Alathur	Palakkad	Moderate Drought
464	Pudukkode	Alathur	Palakkad	Moderate Drought
465	Vadavannur	Chittur	Palakkad	Moderate Drought
466	Pallassana	Chittur	Palakkad	Moderate Drought
467	Kannambra-II	Alathur	Palakkad	Moderate Drought
468	Muthalamada-II	Chittur	Palakkad	Moderate Drought
469	Vedakkamchery-II	Alathur	Palakkad	Moderate Drought
470	Kollangode-I	Chittur	Palakkad	Moderate Drought
471	Melarkode	Alathur	Palakkad	Moderate Drought
472	Elavanchery	Chittur	Palakkad	Moderate Drought
473	Kollangode-II	Chittur	Palakkad	Moderate Drought
474	Vadakkamchery-I	Alathur	Palakkad	Moderate Drought
475	Vallangi	Chittur	Palakkad	Moderate Drought
476	Vandazhi-II	Alathur	Palakkad	Moderate Drought
477	Nemmara	Chittur	Palakkad	Moderate Drought
478	Kizhakkanchery-II	Alathur	Palakkad	Moderate Drought



479	Kizhakkanchery-I	Alathur	Palakkad	Moderate Drought
480	Vandazhi-I	Alathur	Palakkad	Moderate Drought
481	Mangolam Dam	Alathur	Palakkad	Moderate Drought
482	Pariyaram	Mukundapuram	Thrissur	Severe Drought
483	Pallur	Thalappally	Thrissur	Moderate Drought
484	Mayannur	Thalappally	Thrissur	Moderate Drought
485	Desamangalom	Thalappally	Thrissur	Moderate Drought
486	Cheruthurathy	Thalappally	Thrissur	Moderate Drought
487	Pinkulam	Thalappally	Thrissur	Moderate Drought
488	Pampady	Thalappally	Thrissur	Moderate Drought
489	Kaniyarakode	Thalappally	Thrissur	Moderate Drought
490	Nedumpura	Thalappally	Thrissur	Moderate Drought
491	Venganellur	Thalappally	Thrissur	Moderate Drought
492	Kondazhy	Thalappally	Thrissur	Moderate Drought
493	Thiruvilwamala	Thalappally	Thrissur	Moderate Drought
494	Killimangalam	Thalappally	Thrissur	Moderate Drought
495	Kadangodu	Thalappally	Thrissur	Moderate Drought
496	Vadakkethara	Thalappally	Thrissur	Moderate Drought
497	Nelluwaye	Thalappally	Thrissur	Moderate Drought
498	Kattakampala	Thalappally	Thrissur	Moderate Drought
499	Kariyannur	Thalappally	Thrissur	Moderate Drought
500	Kadikkad	Chavakkad	Thrissur	Moderate Drought
501	Punnayarkulam	Chavakkad	Thrissur	Moderate Drought
502	Pazhayanur	Thalappally	Thrissur	Moderate Drought
503	Thayyur	Thalappally	Thrissur	Moderate Drought
504	Vellattanjur	Thalappally	Thrissur	Moderate Drought
505	Eyyal	Thalappally	Thrissur	Moderate Drought
506	Punnayar	Chavakkad	Thrissur	Moderate Drought
507	Manalithara	Thalappally	Thrissur	Moderate Drought
508	Chairanellur	Thalappally	Thrissur	Moderate Drought
509	Edakkazhiyur	Chavakkad	Thrissur	Moderate Drought
510	Choondal	Thalappally	Thrissur	Moderate Drought
511	Eranellur	Thalappally	Thrissur	Moderate Drought
512	Peragam	Chavakkad	Thrissur	Moderate Drought
513	Anjur	Thrissur	Thrissur	Moderate Drought
514	Pananchery	Thrissur	Thrissur	Moderate Drought
515	Alur	Thalappally	Thrissur	Moderate Drought
516	Manathala	Chavakkad	Thrissur	Moderate Drought
517	Guruvayur	Chavakkad	Thrissur	Moderate Drought
518	Madakkathara	Thrissur	Thrissur	Moderate Drought
519	Peramangalam	Thrissur	Thrissur	Moderate Drought
520	Edakkalathur	Thrissur	Thrissur	Moderate Drought
521	Charakked	Chavakkad	Thrissur	Moderate Drought
522	Elavally	Chavakkad	Thrissur	Moderate Drought
523	Drumanayar	Chavakkad	Thrissur	Moderate Drought
524	Tholur	Thrissur	Thrissur	Moderate Drought
525	Peechi	Thrissur	Thrissur	Moderate Drought
526	Annakara	Chavakkad	Thrissur	Moderate Drought

527	Pavaratty	Chavakkad	Thrissur	Moderate Drought
528	Kadappuram	Chavakkad	Thrissur	Moderate Drought
529	Chittilappilly	Thrissur	Thrissur	Moderate Drought
530	Puzhakkal	Thrissur	Thrissur	Moderate Drought
531	Chalakkal	Thrissur	Thrissur	Moderate Drought
532	Vammenad	Chavakkad	Thrissur	Moderate Drought
533	Puranattukara	Thrissur	Thrissur	Moderate Drought
534	Vellanikkara	Thrissur	Thrissur	Moderate Drought
535	Adat	Thrissur	Thrissur	Moderate Drought
536	Mullassery	Chavakkad	Thrissur	Moderate Drought
537	Ayyantole	Thrissur	Thrissur	Moderate Drought
538	Ollukkara	Thrissur	Thrissur	Moderate Drought
539	Kundaliyur	Chavakkad	Thrissur	Moderate Drought
540	Mulayam	Thrissur	Thrissur	Moderate Drought
541	Thrissur	Thrissur	Thrissur	Moderate Drought
542	Engandiyur	Chavakkad	Thrissur	Moderate Drought
543	Venkidanga	Chavakkad	Thrissur	Moderate Drought
544	Pullazhi	Thrissur	Thrissur	Moderate Drought
545	Kozhikkully	Thrissur	Thrissur	Moderate Drought
546	Orimbranallur	Chavakkad	Thrissur	Moderate Drought
547	Aranattukara	Thrissur	Thrissur	Moderate Drought
548	Nadathara	Thrissur	Thrissur	Moderate Drought
549	Chiyyaram	Thrissur	Thrissur	Moderate Drought
550	Kainoor	Thrissur	Thrissur	Moderate Drought
551	Parakkad	Thrissur	Thrissur	Moderate Drought
552	Koorkkanchery	Thrissur	Thrissur	Moderate Drought
553	Eravu	Thrissur	Thrissur	Moderate Drought
554	Karamuck	Thrissur	Thrissur	Moderate Drought
555	Manalur	Thrissur	Thrissur	Moderate Drought
556	Vadanappilly	Chavakkad	Thrissur	Moderate Drought
557	Manakkodi	Thrissur	Thrissur	Moderate Drought
558	Kanimangalam	Thrissur	Thrissur	Moderate 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 Drought
569	Padiyam	Thrissur	Thrissur	Moderate Drought
570	Chovvur	Thrissur	Thrissur	Moderate Drought
571	Talikkulam	Chavakkad	Thrissur	Moderate Drought
572	Paralom	Thrissur	Thrissur	Moderate Drought
573	Pallippuram	Thrissur	Thrissur	Moderate Drought
574	Nammenikkara	Mukundapuram	Thrissur	Moderate Drought

575	Vallachira	Thrissur	Thrissur	Moderate Drought
576	Chazhoor	Thrissur	Thrissur	Moderate Drought
577	Alappad	Thrissur	Thrissur	Moderate Drought
578	Amballur	Mukundapuram	Thrissur	Moderate Drought
579	Vadakkummuri	Thrissur	Thrissur	Moderate Drought
580	Nattika	Chavakkad	Thrissur	Moderate Drought
581	Cherpu	Thrissur	Thrissur	Moderate Drought
582	Varandarapilly	Mukundapuram	Thrissur	Moderate Drought
583	Oorakam	Thrissur	Thrissur	Moderate Drought
584	Kurunpilavu	Thrissur	Thrissur	Moderate Drought
585	Inchamudi	Thrissur	Thrissur	Moderate Drought
586	Arattupuzha	Thrissur	Thrissur	Moderate Drought
587	Thorava	Mukundapuram	Thrissur	Moderate Drought
588	Thottipad	Mukundapuram	Thrissur	Moderate Drought
589	Tanniyam	Thrissur	Thrissur	Moderate Drought
590	Muppiliyom	Mukundapuram	Thrissur	Moderate Drought
591	Chengallur	Mukundapuram	Thrissur	Moderate Drought
592	Parappukara	Mukundapuram	Thrissur	Moderate Drought
593	Karalam	Mukundapuram	Thrissur	Moderate Drought
594	Kizhuppillikkara	Thrissur	Thrissur	Moderate Drought
595	Porathisherri	Mukundapuram	Thrissur	Moderate Drought
596	Valappad	Chavakkad	Thrissur	Moderate Drought
597	Nandipulom	Mukundapuram	Thrissur	Moderate Drought
598	Kattur	Mukundapuram	Thrissur	Moderate Drought
599	Edathiruthy	Kodungathur	Thrissur	Moderate Drought
600	Mattathur	Mukundapuram	Thrissur	Moderate Drought
601	Nellai	Mukundapuram	Thrissur	Moderate Drought
602	Madayikkonam	Mukundapuram	Thrissur	Moderate Drought
603	Anandapuram	Mukundapuram	Thrissur	Moderate Drought
604	Manavalassery	Mukundapuram	Thrissur	Moderate Drought
605	Muriyad	Mukundapuram	Thrissur	Moderate Drought
606	Irinjalakuda	Mukundapuram	Thrissur	Moderate Drought
607	Chendrapinni	Kodungathur	Thrissur	Moderate Drought
608	Pullur	Mukundapuram	Thrissur	Moderate Drought
609	Edathiringi	Mukundapuram	Thrissur	Moderate Drought
610	Kaipamangalom	Kodungathur	Thrissur	Moderate Drought
611	Aloor	Mukundapuram	Thrissur	Moderate Drought
612	Elinjipra	Mukundapuram	Thrissur	Moderate Drought
613	Poomangalom	Mukundapuram	Thrissur	Moderate Drought
614	Kizhake Chalakudi	Mukundapuram	Thrissur	Moderate Drought
615	Padiyoor	Mukundapuram	Thrissur	Moderate 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	Pappimivattom	Kodungathur	Thrissur	Moderate Drought
621	Annallur	Mukundapuram	Thrissur	Moderate Drought
622	Thekkumkara	Mukundapuram	Thrissur	Moderate Drought

623	Puthenchira	Mukundapuram	Thrissur	Moderate Drought
624	Vallivattom	Mukundapuram	Thrissur	Moderate Drought
625	Muringoor Vadakkummuri	Mukundapuram	Thrissur	Moderate Drought
626	Vadakkumbhagam	Mukundapuram	Thrissur	Moderate Drought
627	Kallur Vadakkummuri	Mukundapuram	Thrissur	Moderate Drought
628	Panangad	Kodungathur	Thrissur	Moderate Drought
629	Karumathra	Mukundapuram	Thrissur	Moderate Drought
630	Vadama	Mukundapuram	Thrissur	Moderate Drought
631	Ala	Kodungathur	Thrissur	Moderate Drought
632	Pullut	Kodungathur	Thrissur	Moderate Drought
633	Kallurthekkummuri	Mukundapuram	Thrissur	Moderate Drought
634	Alathur	Mukundapuram	Thrissur	Moderate Drought
635	Lokamaleswaram	Kodungathur	Thrissur	Moderate Drought
636	Pallippuram	Kodungathur	Thrissur	Moderate Drought
637	Eriyad	Kodungathur	Thrissur	Moderate Drought
638	Poyya	Kodungathur	Thrissur	Moderate Drought
639	Kakkulisserry	Mukundapuram	Thrissur	Moderate Drought
640	Methana	Kodungathur	Thrissur	Moderate 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	Kanayannur	Ernakulam	Severe Drought
653	Edapally North	Kanayannur	Ernakulam	Severe Drought
654	Mulavucad	Kanayannur	Ernakulam	Severe Drought
655	Eduppally South	Kanayannur	Ernakulam	Severe Drought
656	Ernakulom	Kanayannur	Ernakulam	Severe Drought
657	Elankulom	Kanayannur	Ernakulam	Severe Drought
658	Poonithura	Kanayannur	Ernakulam	Severe Drought
659	Nadamel	Kanayannur	Ernakulam	Severe Drought
660	Kallookad	Muvattupuzha	Ernakulam	Severe Drought
661	Fortkochi	Kochi	Ernakulam	Severe Drought
662	Mattancherry	Kochi	Ernakulam	Severe Drought
663	Manjalloor	Muvattupuzha	Ernakulam	Severe Drought
664	Thoppumpady	Kochi	Ernakulam	Severe Drought
665	Maradu	Kanayannur	Ernakulam	Severe 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
670	Kuttunpuzha	Kothimangalam	Ernakulam	Moderate Drought

671	Parakkadavu	Aluva	Ernakulam	Moderate Drought
672	Angamali	Aluva	Ernakulam	Moderate Drought
673	Malayatur	Aluva	Ernakulam	Moderate Drought
674	Puthesvelikara	Paravur	Ernakulam	Moderate Drought
675	Mattoor	Aluva	Ernakulam	Moderate Drought
676	Kalady	Aluva	Ernakulam	Moderate Drought
677	Chennamalgalom	Paravur	Ernakulam	Moderate Drought
678	Kombarad	Kunnathunael	Ernakulam	Moderate Drought
679	Kodanad	Kunnathunael	Ernakulam	Moderate Drought
680	Moothakunnam	Paravur	Ernakulam	Moderate Drought
681	Nodumpasseri	Aluva	Ernakulam	Moderate Drought
682	Kuzhupilly	Kochi	Ernakulam	Moderate Drought
683	Koovappady	Kunnathunael	Ernakulam	Moderate Drought
684	Kannukara	Paravur	Ernakulam	Moderate Drought
685	Vadikkekara	Paravur	Ernakulam	Moderate Drought
686	Paravur	Paravur	Ernakulam	Moderate Drought
687	Chelamattam	Kunnathunael	Ernakulam	Moderate Drought
688	Pallipuram	Kochi	Ernakulam	Moderate Drought
689	Vadakkumbhagom	Aluva	Ernakulam	Moderate Drought
690	Karumattur	Paravur	Ernakulam	Moderate Drought
691	Pindimana	Kothimangalam	Ernakulam	Moderate Drought
692	Chengamanad	Aluva	Ernakulam	Moderate 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 Drought
698	Thekkumbhagom	Aluva	Ernakulam	Moderate Drought
699	Alengad	Paravur	Ernakulam	Moderate Drought
700	Kuzhupilly	Kochi	Ernakulam	Moderate Drought
701	Aluva West	Aluva	Ernakulam	Moderate Drought
702	Marampilly	Kunnathunael	Ernakulam	Moderate Drought
703	Ezhikara	Paravur	Ernakulam	Moderate Drought
704	Kadungallor	Paravur	Ernakulam	Moderate Drought
705	Edavanakad	Kochi	Ernakulam	Moderate Drought
706	Neriyamangalam	Kothimangalam	Ernakulam	Moderate Drought
707	Kothamangalam	Kothimangalam	Ernakulam	Moderate Drought
708	Varapuzha	Paravur	Ernakulam	Moderate Drought
709	Eloor	Paravur	Ernakulam	Moderate Drought
710	Nayarambalam	Kochi	Ernakulam	Moderate Drought
711	Thikkakkara North	Kanayannur	Ernakulam	Moderate Drought
712	Kadamakudy	Kanayannur	Ernakulam	Moderate Drought
713	Narakkal	Kochi	Ernakulam	Moderate Drought
714	Varapetty	Kothimangalam	Ernakulam	Moderate Drought
715	Vazhakkala	Kanayannur	Ernakulam	Moderate 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 Drought
721	Velloorkunnam	Muvattupuzha	Ernakulam	Moderate Drought
722	Puthiocruz	Kunnathunael	Ernakulam	Moderate Drought
723	Valakom	Muvattupuzha	Ernakulam	Moderate Drought
724	Puthuvyip	Kochi	Ernakulam	Moderate Drought
725	Muvattupazha	Muvattupuzha	Ernakulam	Moderate Drought
726	Thiruvenculom	Kanayannur	Ernakulam	Moderate Drought
727	Aikaranad SOutH	Kunnathunael	Ernakulam	Moderate Drought
728	Marady	Muvattupuzha	Ernakulam	Moderate Drought
729	Menuri	Muvattupuzha	Ernakulam	Moderate Drought
730	Thiruvaniyoor	Kunnathunael	Ernakulam	Moderate Drought
731	Arakuzha	Muvattupuzha	Ernakulam	Moderate Drought
732	Ramamangalam	Muvattupuzha	Ernakulam	Moderate Drought
733	Maneed	Muvattupuzha	Ernakulam	Moderate Drought
734	Thekkunobhagom	Kanayannur	Ernakulam	Moderate Drought
735	Kureekad	Kanayannur	Ernakulam	Moderate Drought
736	Pallurudhy	Kochi	Ernakulam	Moderate Drought
737	Manakunnam	Kanayannur	Ernakulam	Moderate Drought
738	Kumbalam	Kanayannur	Ernakulam	Moderate Drought
739	Mulanthuruthy	Kanayannur	Ernakulam	Moderate Drought
740	Piravam	Muvattupuzha	Ernakulam	Moderate Drought
741	Kumbalanghy	Kochi	Ernakulam	Moderate Drought
742	Amballur	Kanayannur	Ernakulam	Moderate Drought
743	Keecherry	Kanayannur	Ernakulam	Moderate Drought
744	Challanam	Kochi	Ernakulam	Moderate Drought
745	Kokkodhamangalam	Cherthala	Alapuzha	Severe Drought
746	Cherdhala North	Cherthala	Alapuzha	Severe Drought
747	Thanneermukkom South	Cherthala	Alapuzha	Severe Drought
748	Kalavoor	Ambalapuzha	Alapuzha	Severe Drought
749	Mannanchery	Ambalapuzha	Alapuzha	Severe Drought
750	Komalapuram	Ambalapuzha	Alapuzha	Severe Drought
751	Kailakary North	Kuttanad	Alapuzha	Severe Drought
752	Kavalam	Kuttanad	Alapuzha	Severe Drought
753	Aryad South	Ambalapuzha	Alapuzha	Severe Drought
754	Mullackal	Ambalapuzha	Alapuzha	Severe Drought
755	Pulimkunnu	Kuttanad	Alapuzha	Severe Drought
756	Kunnamma	Kuttanad	Alapuzha	Severe Drought
757	Neelamperoor	Kuttanad	Alapuzha	Severe Drought
758	Alappuzha West	Ambalapuzha	Alapuzha	Severe Drought
759	Kainakarg South	Kuttanad	Alapuzha	Severe Drought
760	Pazhaveedu	Ambalapuzha	Alapuzha	Severe Drought
761	Paravoor	Ambalapuzha	Alapuzha	Severe Drought
762	Veliyanad	Kuttanad	Alapuzha	Severe Drought
763	Nedumudi	Kuttanad	Alapuzha	Severe Drought
764	Chanbakulom	Kuttanad	Alapuzha	Severe Drought
765	Punnapra	Ambalapuzha	Alapuzha	Severe Drought
766	Ramankary	Kuttanad	Alapuzha	Severe Drought

767	Karumadi	Ambalapuzha	Alapuzha	Severe Drought
768	Muttar	Kuttanad	Alapuzha	Severe Drought
769	Edathuva	Kuttanad	Alapuzha	Severe Drought
770	Ambalapuzha	Ambalapuzha	Alapuzha	Severe Drought
771	ThaKAZHA	Kuttanad	Alapuzha	Severe Drought
772	Thalavadi	Kuttanad	Alapuzha	Severe Drought
773	Purakkad	Ambalapuzha	Alapuzha	Severe Drought
774	Thiruvandoor	Chengannur	Alapuzha	Severe Drought
775	Charuthana	Karthikapally	Alapuzha	Severe Drought
776	Karuvatta	Karthikapally	Alapuzha	Severe Drought
777	Chengannur	Chengannur	Alapuzha	Severe Drought
778	Pundanad	Chengannur	Alapuzha	Severe Drought
779	Veeyapuram	Karthikapally	Alapuzha	Severe Drought
780	Kurattissary	Chengannur	Alapuzha	Severe Drought
781	Ennakkad	Chengannur	Alapuzha	Severe Drought
782	Mannar	Chengannur	Alapuzha	Severe Drought
783	Mulakuzha	Chengannur	Alapuzha	Severe Drought
784	Puliyoor	Chengannur	Alapuzha	Severe Drought
785	Haripad	Karthikapally	Alapuzha	Severe Drought
786	Kumarapuram	Karthikapally	Alapuzha	Severe Drought
787	Thrikunnapuzha	Karthikapally	Alapuzha	Severe Drought
788	Tripperunthura	Mavelikara	Alapuzha	Severe Drought
789	Pallippad	Karthikapally	Alapuzha	Severe Drought
790	Chennithala	Mavelikara	Alapuzha	Severe Drought
791	Cheriyana	Chengannur	Alapuzha	Severe Drought
792	Karthigappally	Karthikapally	Alapuzha	Severe Drought
793	Venmony	Chengannur	Alapuzha	Severe Drought
794	Tazhakkare	Mavelikara	Alapuzha	Severe Drought
795	Chingoli	Karthikapally	Alapuzha	Severe Drought
796	Kannamangalam	Mavelikara	Alapuzha	Severe Drought
797	Mavelikara	Mavelikara	Alapuzha	Severe Drought
798	Chappad	Karthikapally	Alapuzha	Severe Drought
799	Vettyar	Mavelikara	Alapuzha	Severe Drought
800	Arattupuzha	Karthikapally	Alapuzha	Severe Drought
801	Nurasad	Mavelikara	Alapuzha	Severe Drought
802	Pathiyur	Karthikapally	Alapuzha	Severe Drought
803	Kurikad	Karthikapally	Alapuzha	Severe Drought
804	Kandallur	Karthikapally	Alapuzha	Severe Drought
805	Kayamkulom	Karthikapally	Alapuzha	Severe Drought
806	Krishnapurom	Karthikapally	Alapuzha	Severe Drought
807	Puthuppally	Karthikapally	Alapuzha	Severe Drought
808	Ballikunnam	Mavelikara	Alapuzha	Severe Drought
809	Aroor	Cherthala	Alapuzha	Moderate Drought
810	Arookutty	Cherthala	Alapuzha	Moderate Drought
811	Ezhupunna	Cherthala	Alapuzha	Moderate Drought
812	Palavally	Cherthala	Alapuzha	Moderate Drought
813	Kodamthurudh	Cherthala	Alapuzha	Moderate Drought
814	Thykkattusseerry	Cherthala	Alapuzha	Moderate Drought



815	Luthiyathodu	Cherthala	Alapuzha	Moderate Drought
816	Thuravoor South	Cherthala	Alapuzha	Moderate Drought
817	Pallippuram	Cherthala	Alapuzha	Moderate Drought
818	Vayalar East	Cherthala	Alapuzha	Moderate Drought
819	Pattenakkad	Cherthala	Alapuzha	Moderate Drought
820	Kadakkappally	Cherthala	Alapuzha	Moderate Drought
821	Thanneermukkom North	Cherthala	Alapuzha	Moderate Drought
822	Manjoor	Vaikom	Kottayam	Severe Drought
823	Kallara	Vaikom	Kottayam	Severe Drought
824	Kanakkari	Meenachil	Kottayam	Severe Drought
825	Onamduruthu	Kottayam	Kottayam	Severe Drought
826	Vechoor	Vaikom	Kottayam	Severe Drought
827	Athirampuzha	Kottayam	Kottayam	Severe Drought
828	Kaipuzha	Kottayam	Kottayam	Severe Drought
829	Peroor	Kottayam	Kottayam	Severe Drought
830	Arpookara	Kottayam	Kottayam	Severe Drought
831	Ayimanam	Kottayam	Kottayam	Severe Drought
832	Perembaikad	Kottayam	Kottayam	Severe Drought
833	Kumarakom	Kottayam	Kottayam	Severe Drought
834	Muttambalam	Kottayam	Kottayam	Severe Drought
835	Chengalam	Kottayam	Kottayam	Severe Drought
836	Kottayam	Kottayam	Kottayam	Severe Drought
837	Muttambalam	Kottayam	Kottayam	Severe Drought
838	Thiruvappu	Kottayam	Kottayam	Severe Drought
839	Velloor	Kottayam	Kottayam	Severe Drought
840	Nattakom	Kottayam	Kottayam	Severe Drought
841	Puthupally	Kottayam	Kottayam	Severe Drought
842	Panchikad	Kottayam	Kottayam	Severe Drought
843	Kurichi	Changanassery	Kottayam	Severe Drought
844	Vazhapalli West	Changanassery	Kottayam	Severe Drought
845	Vazhapalli East	Changanassery	Kottayam	Severe Drought
846	Changanassary	Changanassery	Kottayam	Severe Drought
847	Mulakulam	Vaikom	Kottayam	Moderate Drought
848	Velloor	Vaikom	Kottayam	Moderate Drought
849	Chempu	Vaikom	Kottayam	Moderate Drought
850	Vellilappally	Meenachil	Kottayam	Moderate Drought
851	Kulasekharamangalam	Vaikom	Kottayam	Moderate Drought
852	Vadayar	Vaikom	Kottayam	Moderate Drought
853	Kadudhurudhy	Vaikom	Kottayam	Moderate Drought
854	Vadakkemuri	Vaikom	Kottayam	Moderate Drought
855	Bharananganam	Meenachil	Kottayam	Moderate Drought
856	Naduvila	Vaikom	Kottayam	Moderate Drought
857	Lalam	Meenachil	Kottayam	Moderate Drought
858	Muttuchira	Vaikom	Kottayam	Moderate Drought
859	Kodhanalloor	Vaikom	Kottayam	Moderate Drought
860	Vaikom	Vaikom	Kottayam	Moderate Drought
861	Thalayazham	Vaikom	Kottayam	Moderate Drought
862	Thulappalam	Meenachil	Kottayam	Moderate Drought

863	Puliyannur	Meenachil	Kottayam	Moderate Drought
864	Kidingoor	Meenachil	Kottayam	Moderate Drought
865	Irattupettah	Meenachil	Kottayam	Moderate Drought
866	Meenachil	Meenachil	Kottayam	Moderate Drought
867	Poovarani	Meenachil	Kottayam	Moderate Drought
868	Kondoor	Meenachil	Kottayam	Moderate Drought
869	Ettumanur	Kottayam	Kottayam	Moderate Drought
870	Koottickal	Kanjirapally	Kottayam	Moderate Drought
871	Ayarkunnam	Kottayam	Kottayam	Moderate Drought
872	Akalakunnam	Kottayam	Kottayam	Moderate Drought
873	Manarcad	Kottayam	Kottayam	Moderate Drought
874	Kooropada	Kottayam	Kottayam	Moderate Drought
875	Mundakayam	Kanjirapally	Kottayam	Moderate Drought
876	Edakunnam	Kanjirapally	Kottayam	Moderate Drought
877	Kanjirapally	Kanjirapally	Kottayam	Moderate Drought
878	Chirakadavu	Kanjirapally	Kottayam	Moderate Drought
879	Koovapally	Kanjirapally	Kottayam	Moderate Drought
880	Erumeli North	Kanjirapally	Kottayam	Moderate Drought
881	Vellayur	Changanassery	Kottayam	Moderate Drought
882	Erumeli South	Kanjirapally	Kottayam	Moderate Drought
883	Manimala	Kanjirapally	Kottayam	Moderate Drought
884	Mannamkandam	Devikulam	Idukki	Severe Drought
885	Chinnakanal	Udumbonchola	Idukki	Severe Drought
886	Bisonvally	Udumbonchola	Idukki	Severe Drought
887	Kunnjithannuy	Devikulam	Idukki	Severe Drought
888	Vannappuram	Todupuzha	Idukki	Severe Drought
889	Rajakumari	Udumbonchola	Idukki	Severe Drought
890	Kanjikuzhy	Todupuzha	Idukki	Severe Drought
891	Poopara	Udumbonchola	Idukki	Severe Drought
892	Vellathoval	Devikulam	Idukki	Severe Drought
893	Kodikulam	Todupuzha	Idukki	Severe Drought
894	Rajakadu	Udumbonchola	Idukki	Severe Drought
895	Kumaramangalam	Todupuzha	Idukki	Severe Drought
896	Konnathady	Udumbonchola	Idukki	Severe Drought
897	Sandhampara	Udumbonchola	Idukki	Severe Drought
898	Udumbannoor	Todupuzha	Idukki	Severe Drought
899	Gandhipara	Udumbonchola	Idukki	Severe Drought
900	Neyyassery	Todupuzha	Idukki	Severe Drought
901	Todupuzha	Todupuzha	Idukki	Severe Drought
902	Vathikudy	Udumbonchola	Idukki	Severe Drought
903	Idukki	Todupuzha	Idukki	Severe Drought
904	Udumbanchola	Udumbonchola	Idukki	Severe Drought
905	Karikode	Todupuzha	Idukki	Severe Drought
906	Manakkad	Todupuzha	Idukki	Severe Drought
907	Upputhoda	Udumbonchola	Idukki	Severe Drought
908	Parathodu	Udumbonchola	Idukki	Severe Drought
909	Alakode	Todupuzha	Idukki	Severe Drought
910	Kalkunthal	Udumbonchola	Idukki	Severe Drought

911	Karinkunnam	Todupuzha	Idukki	Severe Drought
912	Thankamany	Udumbonchola	Idukki	Severe Drought
913	Velliamattom	Todupuzha	Idukki	Severe Drought
914	Muttam	Todupuzha	Idukki	Severe Drought
915	Ayyappancoil	Udumbonchola	Idukki	Severe Drought
916	Kudayathoor	Todupuzha	Idukki	Severe Drought
917	Arakulam	Todupuzha	Idukki	Severe Drought
918	Karunapuram	Udumbonchola	Idukki	Severe Drought
919	Elappilly	Todupuzha	Idukki	Severe Drought
920	Kumily	Peermed	Idukki	Severe Drought
921	Milapra	Peermed	Idukki	Severe Drought
922	Marayoor	Devikulam	Idukki	Moderate Drought
923	Keezhanthoor	Devikulam	Idukki	Moderate Drought
924	Kantalloor	Devikulam	Idukki	Moderate Drought
925	Manakulam	Devikulam	Idukki	Moderate Drought
926	Upputhara	Peermed	Idukki	Moderate Drought
927	Anavilasom	Udumbonchola	Idukki	Moderate Drought
928	Elappara	Peermed	Idukki	Moderate Drought
929	Manjamala	Peermed	Idukki	Moderate Drought
930	Periyar	Peermed	Idukki	Moderate Drought
931	Kokkayar	Peermed	Idukki	Moderate Drought
932	Puruvantham	Peermed	Idukki	Moderate Drought
933	Anikkaad	Mallappally	Pathanamthitta	Severe Drought
934	Kottangl	Mallappally	Pathanamthitta	Severe Drought
935	Chittar Seethathodu	Ranni	Pathanamthitta	Severe Drought
936	Mallappally	Mallappally	Pathanamthitta	Severe Drought
937	Perund	Ranni	Pathanamthitta	Severe Drought
938	Kalloopara	Mallappally	Pathanamthitta	Severe Drought
939	Angadi	Ranni	Pathanamthitta	Severe Drought
940	Kavigoor	Thiruvalla	Pathanamthitta	Severe Drought
941	Pazhavangadi	Ranni	Pathanamthitta	Severe Drought
942	Kavumbhagam	Thiruvalla	Pathanamthitta	Severe Drought
943	Kuttapuzha	Thiruvalla	Pathanamthitta	Severe Drought
944	Puramatton	Mallappally	Pathanamthitta	Severe Drought
945	Athikayam	Ranni	Pathanamthitta	Severe Drought
946	Peringara	Thiruvalla	Pathanamthitta	Severe Drought
947	Thiruvalla	Thiruvalla	Pathanamthitta	Severe Drought
948	Ayroor	Ranni	Pathanamthitta	Severe Drought
949	Eraviperoor	Thiruvalla	Pathanamthitta	Severe Drought
950	Nedumpuram	Thiruvalla	Pathanamthitta	Severe Drought
951	Thottapuzhassery	Thiruvalla	Pathanamthitta	Severe Drought
952	Koyapuram	Thiruvalla	Pathanamthitta	Severe Drought
953	Ranni	Ranni	Pathanamthitta	Severe Drought
954	Vadasserikara	Ranni	Pathanamthitta	Severe Drought
955	Kuttoor	Thiruvalla	Pathanamthitta	Severe Drought
956	Kadapra	Thiruvalla	Pathanamthitta	Severe Drought
957	Cherukole	Ranni	Pathanamthitta	Severe Drought
958	Kozhanchery	Kozhanchery	Pathanamthitta	Severe Drought

959	Niranam	Thiruvalla	Pathanamthitta	Severe Drought
960	Aranmula	Kozhenchery	Pathanamthitta	Severe Drought
961	Mallappuzhasseri	Kozhenchery	Pathanamthitta	Severe Drought
962	Malayalapuzha	Kozhenchery	Pathanamthitta	Severe Drought
963	Thannithode	Kozhenchery	Pathanamthitta	Severe Drought
964	Pathamthitta	Kozhenchery	Pathanamthitta	Severe Drought
965	Mezhuveli	Kozhenchery	Pathanamthitta	Severe Drought
966	Kulanada	Kozhenchery	Pathanamthitta	Severe Drought
967	Chunnirkara	Kozhenchery	Pathanamthitta	Severe Drought
968	Konnithazham	Kozhenchery	Pathanamthitta	Severe Drought
969	Omanur	Kozhenchery	Pathanamthitta	Severe Drought
970	Pramadom	Kozhenchery	Pathanamthitta	Severe Drought
971	Aruvapalam	Kozhenchery	Pathanamthitta	Severe Drought
972	Airavon	Kozhenchery	Pathanamthitta	Severe Drought
973	Konni	Kozhenchery	Pathanamthitta	Severe Drought
974	Vallikkod	Kozhenchery	Pathanamthitta	Severe Drought
975	Pandalam	Adoor	Pathanamthitta	Severe Drought
976	Kurampala	Adoor	Pathanamthitta	Severe Drought
977	Pardalomthekakara	Adoor	Pathanamthitta	Severe Drought
978	Enadh	Adoor	Pathanamthitta	Severe Drought
979	Kadampanad	Adoor	Pathanamthitta	Severe Drought
980	Kollamula	Ranni	Pathanamthitta	Moderate Drought
981	Punnala	Pathanapuram	Kollam	Severe Drought
982	Piravanthor	Pathanapuram	Kollam	Severe Drought
983	Pavumba	Karunagapally	Kollam	Severe Drought
984	Padhanapuram	Pathanapuram	Kollam	Severe Drought
985	Edamon	Pathanapuram	Kollam	Severe Drought
986	Alappad	Karunagapally	Kollam	Severe 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
991	Aryankavu	Pathanapuram	Kollam	Severe Drought
992	Thodiyoor	Karunagapally	Kollam	Severe Drought
993	Sooranad South	Kunnathur	Kollam	Severe Drought
994	Kunnathur	Kunnathur	Kollam	Severe Drought
995	Pattazha	Pathanapuram	Kollam	Severe Drought
996	Kalayapuram	Kottarakkara	Kollam	Severe Drought
997	Kulakkada	Kottarakkara	Kollam	Severe Drought
998	Pidavoor	Pathanapuram	Kollam	Severe Drought
999	Athinad	Karunagapally	Kollam	Severe Drought
1000	Karunagapally	Karunagapally	Kollam	Severe Drought
1001	Sasthamcotta	Kunnathur	Kollam	Severe Drought
1002	Kallelibhagam	Karunagapally	Kollam	Severe Drought
1003	Mynagapally	Kunnathur	Kollam	Severe Drought
1004	Pavithreswaram	Kottarakkara	Kollam	Severe Drought
1005	Puthur	Kottarakkara	Kollam	Severe Drought
1006	Ayanivelikulangara	Karunagapally	Kollam	Severe Drought

1007	Vadkkumthala	Karunagapally	Kollam	Severe Drought
1008	Vilokudr	Pathanapuram	Kollam	Severe Drought
1009	Valakkod	Pathanapuram	Kollam	Severe Drought
1010	Punalur	Pathanapuram	Kollam	Severe Drought
1011	West Kalada	Kunnathur	Kollam	Severe Drought
1012	Thevalakara	Karunagapally	Kollam	Severe Drought
1013	Panmana	Karunagapally	Kollam	Severe Drought
1014	East Kallada	Kollam	Kollam	Severe Drought
1015	Manrothuruthu	Kollam	Kollam	Severe Drought
1016	Mulavana	Kollam	Kollam	Severe Drought
1017	Chavara	Karunagapally	Kollam	Severe Drought
1018	Airanallur	Pathanapuram	Kollam	Severe Drought
1019	Thekkumbhagam	Karunagapally	Kollam	Severe Drought
1020	Thingalkarikkom	Pathanapuram	Kollam	Severe Drought
1021	Kulathupuzha	Pathanapuram	Kollam	Severe Drought
1022	Panayan	Kollam	Kollam	Severe Drought
1023	Thrikkaruva	Kollam	Kollam	Severe Drought
1024	Perinad	Kollam	Kollam	Severe Drought
1025	Alchal	Pathanapuram	Kollam	Severe Drought
1026	Nundakara	Karunagapally	Kollam	Severe Drought
1027	Sakthakulongara	Kollam	Kollam	Severe Drought
1028	Elamadu	Kottarakkara	Kollam	Severe Drought
1029	Thrikkadavoor	Kollam	Kollam	Severe Drought
1030	Edamuluckal	Pathanapuram	Kollam	Severe Drought
1031	Mangad	Kollam	Kollam	Severe Drought
1032	Thrikkovilvattom	Kollam	Kollam	Severe Drought
1033	Pooyappally	Kottarakkara	Kollam	Severe Drought
1034	Kollam	Kollam	Kollam	Severe Drought
1035	Kottakkal	Kottarakkara	Kollam	Severe Drought
1036	Velinalloor	Kottarakkara	Kollam	Severe Drought
1037	Vadakkevila	Kollam	Kollam	Severe Drought
1038	Chadayamangalam	Kottarakkara	Kollam	Severe Drought
1039	Thazhuthala	Kollam	Kollam	Severe Drought
1040	Adichanalloor	Kollam	Kollam	Severe Drought
1041	Mundakkd	Kollam	Kollam	Severe Drought
1042	Meenad	Kollam	Kollam	Severe Drought
1043	Mayyanad	Kollam	Kollam	Severe Drought
1044	Kallevathukkal	Kollam	Kollam	Severe Drought
1045	Iravipuram	Kollam	Kollam	Severe Drought
1046	Paravoor	Kollam	Kollam	Severe Drought
1047	Chirakkara	Kollam	Kollam	Severe Drought
1048	Poothakulam	Kollam	Kollam	Severe Drought
1049	Kottapuram	Kollam	Kollam	Severe Drought
1050	Pallikkal	Chirayinkeezhu	Thiruvananthapuram	Severe Drought
1051	Peringamala	Nedumangad	Thiruvananthapuram	Severe Drought
1052	Ayirur	Chirayinkeezhu	Thiruvananthapuram	Severe Drought
1053	Thennur	Nedumangad	Thiruvananthapuram	Severe Drought
1054	Edava	Chirayinkeezhu	Thiruvananthapuram	Severe Drought

1055	Pulimathu	Chirayinkeezhu	Thiruvananthapuram	Severe Drought
1056	Venkala	Chirayinkeezhu	Thiruvananthapuram	Severe Drought
1057	Ottur	Chirayinkeezhu	Thiruvananthapuram	Severe Drought
1058	Kallara	Nedumangad	Thiruvananthapuram	Severe Drought
1059	Nagarur	Chirayinkeezhu	Thiruvananthapuram	Severe Drought
1060	Koduvazhaninur	Chirayinkeezhu	Thiruvananthapuram	Severe Drought
1061	Vamanapuram	Nedumangad	Thiruvananthapuram	Severe Drought
1062	Manampur	Chirayinkeezhu	Thiruvananthapuram	Severe Drought
1063	Vettur_cherunniyur	Chirayinkeezhu	Thiruvananthapuram	Severe Drought
1064	Alankode	Chirayinkeezhu	Thiruvananthapuram	Severe Drought
1065	Pullampara	Nedumangad	Thiruvananthapuram	Severe Drought
1066	Palode	Nedumangad	Thiruvananthapuram	Severe Drought
1067	Ilampi-Mundakkal	Chirayinkeezhu	Thiruvananthapuram	Severe Drought
1068	Kizhattangl	Chirayinkeezhu	Thiruvananthapuram	Severe Drought
1069	Nallanad	Nedumangad	Thiruvananthapuram	Severe Drought
1070	Vidura	Nedumangad	Thiruvananthapuram	Severe Drought
1071	Ahilgil-Avanavachery	Chirayinkeezhu	Thiruvananthapuram	Severe Drought
1072	Kadakkavur	Chirayinkeezhu	Thiruvananthapuram	Severe Drought
1073	Chirayinkizh	Chirayinkeezhu	Thiruvananthapuram	Severe Drought
1074	Kizhvalal Kuntalur	Chirayinkeezhu	Thiruvananthapuram	Severe Drought
1075	Mannurkara	Nedumangad	Thiruvananthapuram	Severe Drought
1076	Veilur	Thiruvananthapuram	Thiruvananthapuram	Severe Drought
1077	Azhur	Chirayinkeezhu	Thiruvananthapuram	Severe Drought
1078	Aryanad	Nedumangad	Thiruvananthapuram	Severe Drought
1079	Kadinamkulam	Thiruvananthapuram	Thiruvananthapuram	Severe Drought
1080	Uzhamalakkal	Nedumangad	Thiruvananthapuram	Severe Drought
1081	Pallipuram	Thiruvananthapuram	Thiruvananthapuram	Severe Drought
1082	Vazhichal	Neyyattinkara	Thiruvananthapuram	Severe Drought
1083	Vellanad	Nedumangad	Thiruvananthapuram	Severe Drought
1084	Kazhakuttom Menomkulam	Thiruvananthapuram	Thiruvananthapuram	Severe Drought
1085	Aruvikar	Nedumangad	Thiruvananthapuram	Severe Drought
1086	Parumkulam	Nedumangad	Thiruvananthapuram	Severe Drought
1087	Attipra	Thiruvananthapuram	Thiruvananthapuram	Severe Drought
1088	Kallikkad	Neyyattinkara	Thiruvananthapuram	Severe Drought
1089	Veerankavu	Nedumangad	Thiruvananthapuram	Severe Drought
1090	Velappil	Neyyattinkara	Thiruvananthapuram	Severe Drought
1091	Amboory	Neyyattinkara	Thiruvananthapuram	Severe Drought
1092	Kulathummel	Neyyattinkara	Thiruvananthapuram	Severe Drought
1093	Ottasekharamangalam	Neyyattinkara	Thiruvananthapuram	Severe Drought
1094	Maranallur	Neyyattinkara	Thiruvananthapuram	Severe Drought
1095	Keezharoor	Neyyattinkara	Thiruvananthapuram	Severe Drought
1096	Perumpazhuthur	Neyyattinkara	Thiruvananthapuram	Severe Drought
1097	Perumkadavila	Neyyattinkara	Thiruvananthapuram	Severe Drought
1098	Kottakal	Neyyattinkara	Thiruvananthapuram	Severe Drought
1099	Venganur	Thiruvananthapuram	Thiruvananthapuram	Severe Drought
1100	Neyyattinkara	Neyyattinkara	Thiruvananthapuram	Severe Drought
1101	Vizhingim	Neyyattinkara	Thiruvananthapuram	Severe Drought
1102	Chenkal	Neyyattinkara	Thiruvananthapuram	Severe Drought

1103	Parasuvaikkal	Neyyattinkara	Thiruvananthapuram	Severe Drought
1104	Kanjsramkulam	Neyyattinkara	Thiruvananthapuram	Severe Drought
1105	Thirupuram	Neyyattinkara	Thiruvananthapuram	Severe Drought
1106	Karinkulam	Neyyattinkara	Thiruvananthapuram	Severe Drought
1107	Karode	Neyyattinkara	Thiruvananthapuram	Severe Drought
1108	Kulathur	Neyyattinkara	Thiruvananthapuram	Severe Drought
1109	Cheruvikkal	Thiruvananthapuram	Thiruvananthapuram	Moderate Drought
1110	Kadagampally	Thiruvananthapuram	Thiruvananthapuram	Moderate Drought
1111	Vilavurkkal	Neyyattinkara	Thiruvananthapuram	Moderate Drought
1112	Thaicad	Thiruvananthapuram	Thiruvananthapuram	Moderate Drought
1113	Thirumala	Thiruvananthapuram	Thiruvananthapuram	Moderate Drought
1114	Pettah	Thiruvananthapuram	Thiruvananthapuram	Moderate Drought
1115	Nemom	Thiruvananthapuram	Thiruvananthapuram	Moderate Drought
1116	Manacaud	Thiruvananthapuram	Thiruvananthapuram	Moderate Drought
1117	Muttathara	Thiruvananthapuram	Thiruvananthapuram	Moderate Drought
1118	Thiruvallam	Thiruvananthapuram	Thiruvananthapuram	Moderate Drought
1119	Kallaiyar	Thiruvananthapuram	Thiruvananthapuram	Moderate Drought



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