

CHAPTER: 1

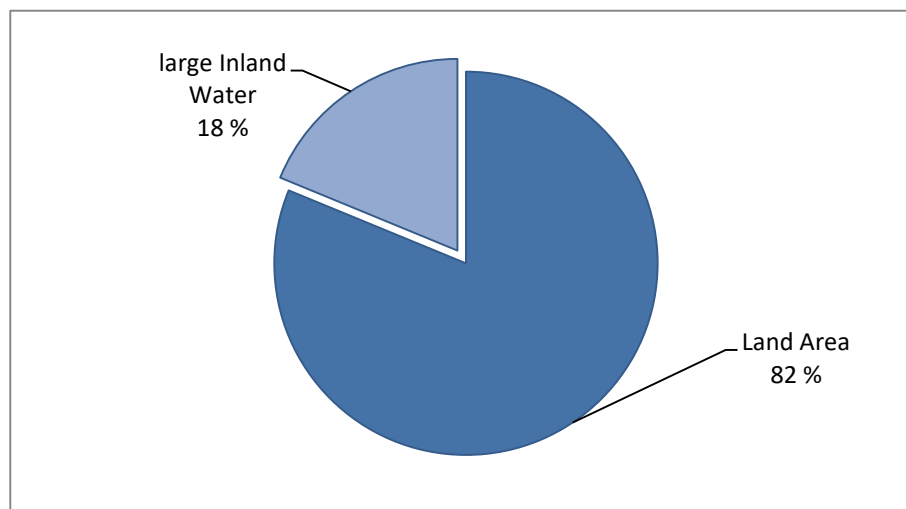
GEOGRAPHICAL FEATURE

1.1 Land Area in Kuchchaveli Division

Generally, land area included paddy land, forest, state land, private, cultivation and abandoned land. It contains land area and inland water of the GN division as given below.

DS Division	Total Area		Land Area		large Inland Water	
	Sq.Km.	%	Sq.Km.	%	Sq.Km.	%
Kuchchaveli	504.23	100	413.47	82.00%	90.76	18.00%

Source: Department of Land Agrarian Services



Source: Department of Land Agrarian Services

1.2 Land Area in GN Division Wise

S. No	G. N. Division	G.N Number	Extent (Sq. Km)	No of Villages
1	Periyakulam	241 E	8.70	3
2	Iqbalnagar	241 D	5.31	5
3	Velloor	241 C	4.66	3
4	Nilaveli	241	25.27	2
5	Gopalapuram	241 B	17.06	1
6	Vaalaiuttru	241 G	6.45	1
7	Irakkandy	241 A	1.61	1
8	Kumpurupity-East	240 B	34.59	6
9	Kumpurupity-South	240	40.70	1
10	Kumpurupity-North	240 A	26.72	2
11	Iranaikerny	239 A	13.51	3
12	Veerancholai	239 B	11.11	2
13	Kuchchaveli	239	59.86	4
14	Casim nagar	239 D	14.32	2
15	Jayanagar	239 C	9.92	4
16	Senthoor	237 B	8.70	4
17	Thiriyai	237 C	11.26	3
18	Kattukkulam	237 C	46.03	2
19	Kallampaththai	237 D	12.06	3
20	Pulmoodai-01	31 I	57.31	6
21	Pulmoodai-02	31 H	4.01	6
22	Pulmoodai-03	31 G	37.00	5
23	Pulmoodai-04	31 J	25.58	7
24	Thennamaravady	31 E	22.21	2
	Total		504.23	78

Source: Divisional Secretariat, Kuchchaveli

1.3 GN Division wise Village in the Division

S. No.	Ref. No	GN Division No	GN Division	Village
1	53/6/5/51	31E	Thennaimaravady	Thennaimaravady
2	53/6/5/52	31E	Thennaimaravady	Amarivayal
3	53/6/10/51	31G	Pulmoddai Division No. 3	Salamiya Nagar
4	53/6/10/52	31G	Pulmoddai Division No. 3	Kovilady
5	53/6/10/53	31G	Pulmoddai Division No. 3	Hijra Nagar
6	53/6/10/54	31G	Pulmoddai Division No. 3	Pulmoddai Ward 3
7	53/6/10/55	31G	Pulmoddai Division No. 3	Mohaideen Nagar
8	53/6/15/51	31H	Pulmoddai Division No. 2	Pulmoddai Ward 2
9	53/6/15/52	31H	Pulmoddai Division No. 2	Rahuman Nagar
10	53/6/15/53	31H	Pulmoddai Division No. 2	Ponmalaikkudah
11	53/6/15/54	31H	Pulmoddai Division No. 2	Arisimalai
12	53/6/15/55	31H	Pulmoddai Division No. 2	Peeliyadi
13	53/6/15/56	31H	Pulmoddai Division No. 2	Thaqwa Nagar
14	53/6/20/51	31I	Pulmoddai Division No. 1	Arafath Nagar
15	53/6/20/52	31I	Pulmoddai Division No. 1	Nooraniyanagar
16	53/6/20/53	31I	Pulmoddai Division No. 1	Ilahiya Nagar
17	53/6/20/54	31I	Pulmoddai Division No. 1	Thaqwa Nagar
18	53/6/20/55	31I	Pulmoddai Division No. 1	Veeranthivu
19	53/6/20/56	31I	Pulmoddai Division No. 1	Thethavadithivu
20	53/6/25/51	31J	Pulmoddai Division No. 4	14th Mile Post
21	53/6/25/52	31J	Pulmoddai Division No. 4	Paddikudah
22	53/6/25/53	31J	Pulmoddai Division No. 4	Al Falah Nagar
23	53/6/25/54	31J	Pulmoddai Division No. 4	Jinnapuram
24	53/6/25/55	31J	Pulmoddai Division No. 4	Hamas Nagar
25	53/6/25/56	31J	Pulmoddai Division No. 4	Satham Nagar
26	53/6/25/57	31J	Pulmoddai Division No. 4	Pulmoddai Ward 4
27	53/6/30/51	237	Thiriyai	Kallarawa
28	53/6/30/52	237	Thiriyai	Thiriyai

Source: Divisional secretariat, Kuchchaveli

1.3 GN Division wise Village in the Division

S. No.	Ref. No	GN Division No	GN Division	Village
29	53/6/30/53	237	Thiriyai	Maramveddicholai
30	53/6/35/51	237B	Senthoor	Senthoor
31	53/6/35/52	237B	Senthoor	Kadaloor
32	53/6/35/53	237B	Senthoor	Pudavaikaddu
33	53/6/35/54	237B	Senthoor	Mathurankudah
34	53/6/40/51	237C	Kaddukulam	Kaddukulam
35	53/6/40/52	237C	Kaddukulam	Kaddukkulam Ward - 6
36	53/6/45/51	237D	Kallampattai	Thanchchavoor
37	53/6/45/52	237D	Kallampattai	Kallampathai
38	53/6/45/53	237D	Kallampattai	Alamkulathucholai
39	53/6/50/51	239	Kuchchaveli	Kuchchaveli Ward 4
40	53/6/50/52	239	Kuchchaveli	Kuchchaveli Ward 2
41	53/6/50/53	239	Kuchchaveli	Kuchchaveli Ward 1
42	53/6/50/54	239	Kuchchaveli	Vadalikkulam
43	53/6/55/51	239A	Iranaikerni	Salappaiyaru
44	53/6/55/52	239A	Iranaikerni	Iranaikerny Ward No 2
45	53/6/55/53	239A	Iranaikerni	Iranaikerny Ward No 1
46	53/6/60/51	239B	Veerancholai	Veerancholai Ward 2
47	53/6/60/52	239B	Veerancholai	Veerancholai Ward 1
48	53/6/65/51	239C	Jayanagar	Sagarapura
49	53/6/65/52	239C	Jayanagar	Pallavakkulam
50	53/6/65/53	239C	Jayanagar	Sallimunai
51	53/6/65/54	239C	Jayanagar	Jaya Nagar
52	53/6/70/51	239D	Cassimnagar	Cassim Nagar Ward No 4
53	53/6/70/52	239D	Cassimnagar	Cassim Nagar Ward No 3
54	53/6/75/51	240	Kumpurupitty South	Kumpurupiddy Ward No 6
55	53/6/80/51	240A	Kumpurupitty North	Kumpurupiddy Ward No 5
56	53/6/80/52	240A	Kumpurupitty North	Kumpurupiddy Ward No 6

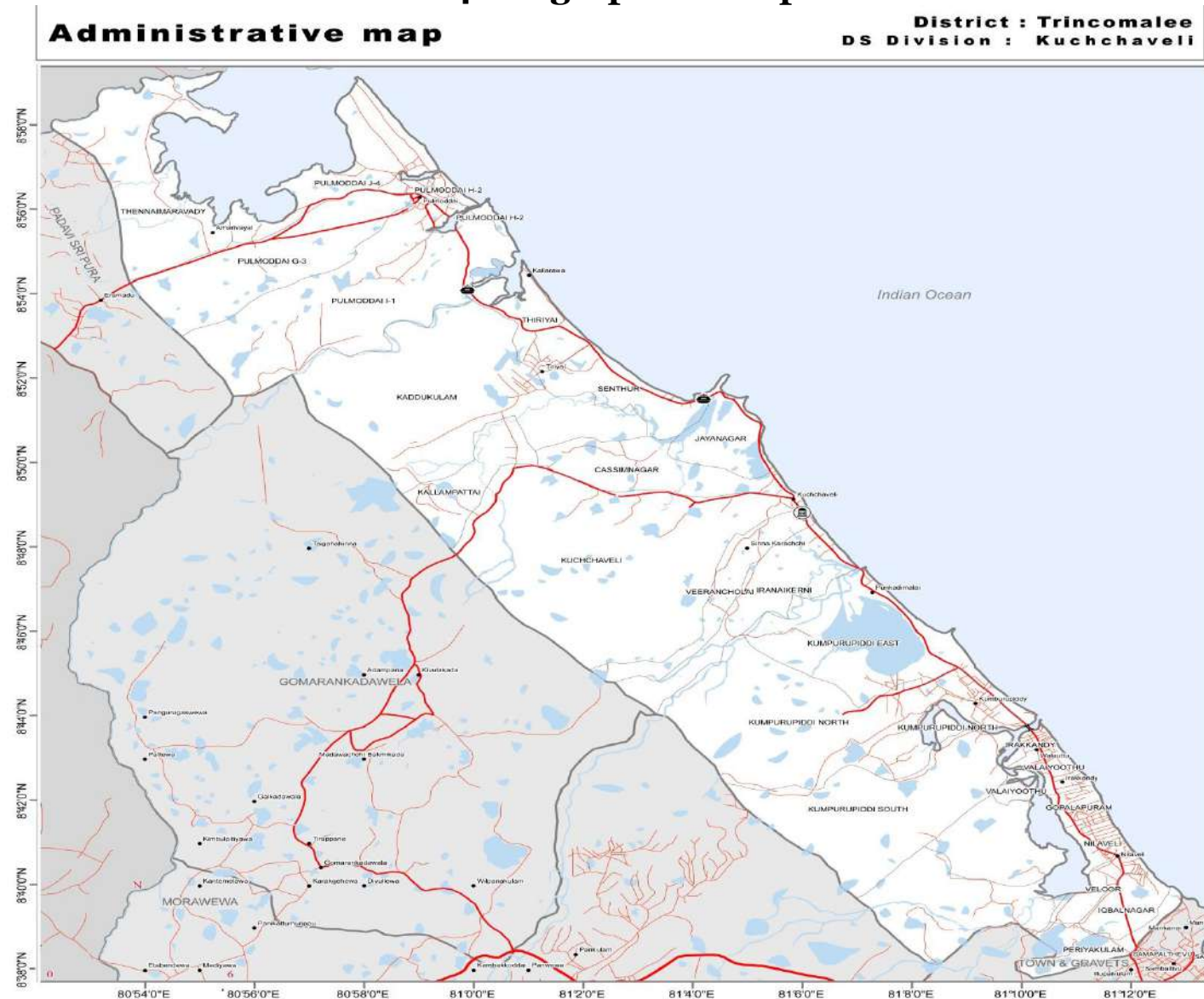
Source: Divisional secretariat, Kuchchaveli

1.3 GN Division wise Village in the Division

S. No.	Ref. No	GN Division No	GN Division	Village
57	53/6/85/51	240B	Kumpurupitty East	Berga
58	53/6/85/52	240B	Kumpurupitty East	Salappaiyaru
59	53/6/85/53	240B	Kumpurupitty East	Kumpurupiddy Central
60	53/6/85/54	240B	Kumpurupitty East	Vipulananda Model Village
61	53/6/85/55	240B	Kumpurupitty East	Navatchchulai
62	53/6/85/56	240B	Kumpurupitty East	Ganthi Nagar
63	53/6/90/51	241	Nilaveli	Nilaveli 2
64	53/6/90/52	241	Nilaveli	Periya Pallam Ward-3
65	53/6/95/51	241A	Irakkandy	Irakkandy
66	53/6/100/51	241B	Gopalapuram	Gopalapuram
67	53/6/105/51	241C	Velloor	Adampodai
68	53/6/105/52	241C	Velloor	Velloor
69	53/6/105/53	241C	Velloor	Katchunaikal
70	53/6/110/51	241D	Iqbalnagar	Thamaraikkulam
71	53/6/110/52	241D	Iqbalnagar	Jicca
72	53/6/110/53	241D	Iqbalnagar	Puthukkudiyiruppu
73	53/6/110/54	241D	Iqbalnagar	Iqbal Nagar
74	53/6/110/55	241D	Iqbalnagar	Siththoor
75	53/6/115/51	241E	Periyakulam	Periyakulam
76	53/6/115/52	241E	Periyakulam	Konesapuri
77	53/6/115/53	241E	Periyakulam	Thirumalpuram
78	53/6/120/51	241G	Valaiyoottu	Valaiyoottu

Source: Divisional secretariat, Kuchchaveli

1.4 Geographical Map



1.5 Land Use Pattern

The division spreads over an area of 313.37 s.q. km., this is 11.5% of the land area of the district. This is the second largest division in terms of land area. State land and forest land are in this division. The large

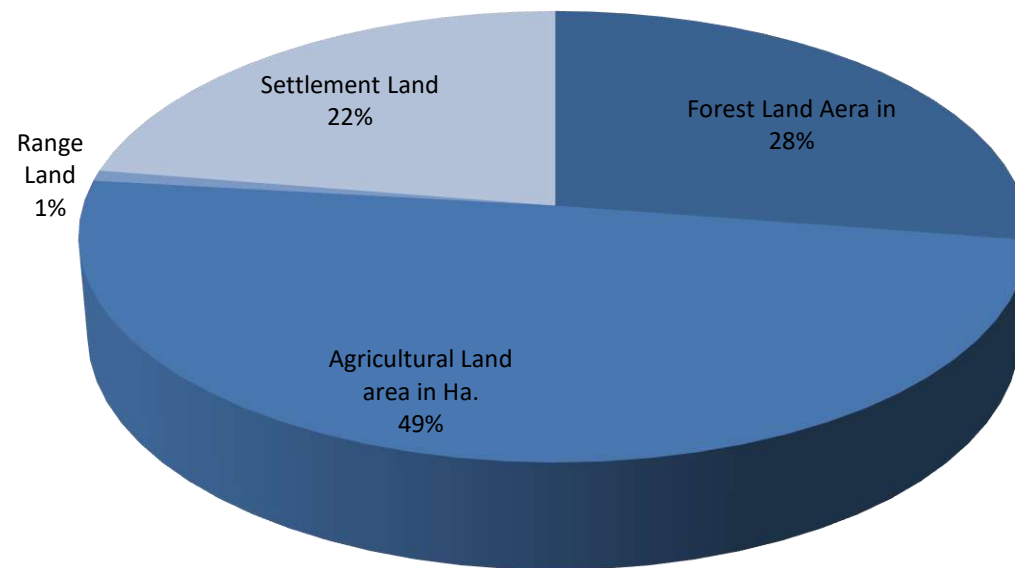
numbers of people are doing paddy cultivation and high land crop cultivation. Up to now not prepared any master plan or land use pattern for has been prepared for this division.

Land Use Pattern in Kuchchaveli Division

S.No.	Description	Category of Land	Area (Ha)
1	Area in Ha.	State land Area in Ha (C.)	-
		State land Area in Ha (P)	28979
		Private Land Area in Ha.	8773
		Archeological Land Area in Ha.	200
		Inland water Area in Ha.	5,848
		Total	43,800
2	Forest Land Area in	Dense Forest Area in Ha.	500
		Sparse Forest Area in Ha.	1,000
		Open Forest Area in Ha.	1,500
		Forest Plantation Area in Ha.	60
		Total	3,060
3	Agricultural Land area in Ha.	Paddy Cultivation Area in Ha.	5,550
		Other Field Crops Area in Ha	350
		Other Crops Cultivation Area in Ha.	800
		Coconut Cultivation Area in Ha.	110
		Cashew cultivation Area in Ha.	24
		Total	6,834
4	Range Land	Scrubland/ Grassland Area in Ha.	60
		Marshland Area in Ha.	25
		Total	85
5	Settlement Land	Settlement Land	2,500
		Total	2,500

Source: Divisional Secretariat, Kuchchaveli-Tentative

Land Use Pattern in Kuchchaveli Division



Source: Divisional Secretariat, Kuchchaveli

1.6 Climate

Climatically Sri Lanka is divided into two zones: the dry zone that spreads over the Northern plains, North central plains, eastern plains and northern. Sri Lanka lies 400 miles north of the equator and is affected by two monsoon seasons caused by the winds originating from the Indian Ocean and the Bay of Bengal. The monsoon weather patterns in Sri Lanka ensure that some beaches of the coastal belts a, receive ample rainfall an annual average of 250 centimeters re always in season for swimming, snorkeling, and diving.

The island receives rain mainly through two monsoons. The rainfall intensity varies markedly across the island. Based on rainfall, several agro climatic regions (wet zone, intermediate zone, dry zone, and arid zone) can be recognized. Depending on the rainfall pattern, climatologists divide Sri Lanka's climatic year into five seasons:

- The convectional-convergence period (March to mid-April) is when the island comes under the influence of the Inter tropical Convergence Zone.
- The pre-monsoon period (mid-April to late May) presents transitional weather patterns, with convectional weather gradually being suppressed by surges of the southwest monsoon.
- The southwest monsoon (late May to late September) brings the largest amount of rainfall to the southwest lowlands and windward slopes of the central hills. After the rains, dry desiccating monsoon winds blow across the north, north-central and southeast regions.
- The convectional cyclonic period (late September to late November) begins with the weakening of the southwest monsoon. This period can include cyclones and may result in heavy rain falls.
- The northeast monsoon (November to February), though weak compared to southwest monsoons, brings agriculturally important rainfall to northern and eastern parts of the island.

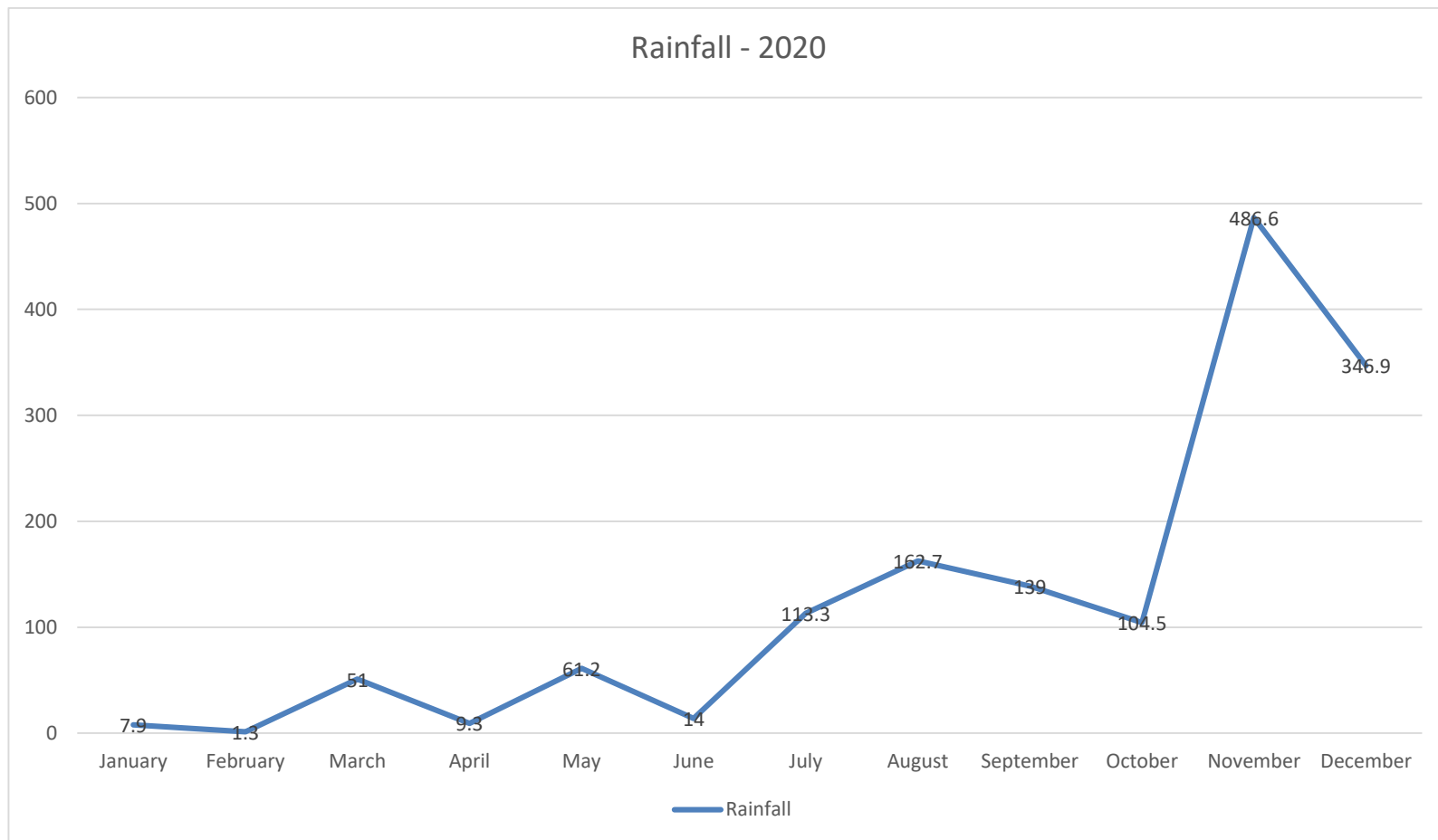
Kuchchaveli division lies within the intermediate zone and the climate is characterized by high Temperature and seasonal high rainfall. Temperature ranges from 25°C to 39°C and the highest temperatures are normally recorded during the month of April and May. The average annual rainfall over 30 year's period amounted to 1340 mm. within January to December for every year. Nearly 80 percent of the rainfall was recorded during the North East monsoon months from October to January. The months from February to July are dry with very little rainfall during the months of June, July and August. Most of the areas are affected by seasonal drought and flood.

1.7 Monthly Rainfall by DS Division: 2000 - 2020

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total	Average
2000	108.8	4.6	-	1.0	82.6	0.8	67.2	18.2	122.3	41.9	219.6	573.6	1,240.6	103.4
2001	332.6	164.3	-	104.7	0.1	49.9	6.9	29.5	160.4	379.0	201.6	211.0	1,640.0	136.7
2002	282.9	143.7	13.1	32.2	42.3	48.2	20.0	22.2	95.4	98.3	304.6	308.0	1,410.9	117.6
2003	182.3	14.8	-	135.1	6.7	88.5	108.4	16.5	89.0	269.1	262.3	458.6	1,631.3	135.9
2004	98.7	30.4	14.0	5.1	64.3	37.5	11.6	2.1	71.2	367.8	452.1	562.7	1,717.5	143.1
2005	215.3	140.0	61.6	14.9	43.3	11.7	66.4	21.2	138.9	61.3	602.4	57.8	1,434.8	119.6
2006	46.8	28.3	7.3	30.7	165.3	-	139.2	141.9	158.2	500.3	274.4	460.7	1,953.1	162.8
2007	280.3	-	15.0	211.7	68.1	-	17.8	85.7	6.0	235.2	731.8	140.0	1,791.6	149.3
2008	9.9M	12.8	25.9	9.9M	9.9M	4.3	34.6	9.9M	9.9M	9.9M	9.9M	9.9M	77.6	19.4
2009	9.9M	45.1	7.4	136.2	107.3	11.0	27.9	122.6	5.6	309.6	103.1	294.5	1,170.3	106.4
2010	133.5	150.1	345.6	28.7	-	68.5	27.5	148.9	(-)4.5	104.9	508.2	313.2	1,829.1	166.3
2011	171.1	-	254.4	203.3	17.2	3.6	15.8	58.2	1.1	133.0	400.8	610.0	1,868.5	155.7
2012	48.4	3.8	2.6	2.0	42.2	19.0	23.2	96.3	197.3	71.1	292.1	621.5	1,419.5	118.3
2013	817.0	481.5	43.6	196.9	0.9	0.5	34.0	80.4	31.8	548.0	351.6	320.5	2,906.7	242.5
2014	817.0	156.2	21.1	13.5	0.6	-	15.8	4.4	231.2	596.8	180.7	590.1	2,627.4	151.9
2015	332.6	164.3	-	104.7	0.1	49.9	6.9	29.5	160.4	379.0	201.6	211.0	1,640.0	136.7
2016	282.9	143.7	13.1	32.2	42.3	48.2	20.0	22.2	95.4	98.3	304.6	308.0	1,410.9	117.6
2017	200.4	355.2	239.3	2.5	132.3	1.2	64.8	93.0	2.1	34.8	177.4	189.5	1492.5	124.4
2018	417.0	11.7	0.4	66.7	42.8	1.8	89.1	54.0	151.8	203.3	198.5	117.3	1,155.9	105.1
2019	52.5	100.5	43.6	32.1	62.6	157.9	20.8	169.7	95.3	190.7	467.5	119.7	1,469.3	122.4
2020	7.9	1.3	51.0	9.3	61.2	14.0	113.3	162.7	139.0	104.5	486.6	346.9	1,497.7	124.8

9.9M - denotes that data is not available

Source :- Department of Meteorology



1.8 Monthly Mean Temperature by DS Division: 2000 – 2020

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
2000	27.4	28.4	29.0	30.5	30.9	31.7	30.5	30.2	30.1	29.4	28.1	26.5	29.4
2001	26.2	27.1	28.6	29.1	30.4	30.4	30.6	30.8	30.7	27.5	26.9	26.1	28.7
2002	26.3	26.8	28.3	30.3	31.4	30.5	30.9	29.7	30.2	28.8	27.2	26.5	28.9
2003	26.3	26.7	29.0	28.7	31.7	29.9	30.6	30.4	30.2	28.8	27.5	26.6	28.9
2004	26.8	27.6	28.8	29.5	31.0	31.2	31.7	31.1	32.4	28.4	26.8	26.2	29.3
2005	26.4	27.3	28.4	29.5	30.6	31.4	30.4	30.7	30.8	29.1	26.2	27.0	29.0
2006	27.1	27.4	28.8	30.2	29.8	30.9	30.2	30.6	28.9	27.6	26.7	26.2	28.7
2007	26.5	27.8	28.7	28.8	30.8	31.2	30.7	30.8	30.7	28.7	26.1	26.1	28.9
2008	25.8	27.3	28.4	29.7	30.5	31.4	30.9	26.3	27.1	-9.9	-9.9	-9.9	12.9
2009	-9.9	26.7	27.5	28.2	30.8	30.1	30.6	30.4	30.2	28.4	26.9	26.3	25.5
2010	26.3	27.1	27.4	28.9	31.1	30.5	30.4	29.2	30.4	28.4	27.2	26.3	28.6
2011	26.4	27.1	27.7	29.3	30.3	30.8	31.0	30.3	30.6	29.5	27.0	26.2	28.9
2012	27.0	27.8	29.1	30.8	30.9	31.3	30.4	30.0	29.2	-9.9	-9.9	-9.9	19.7
2013	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9
2014	-9.9	26.9	27.9	29.3	31.5	31.2	31.1	31.5	30.7	27.5	26.7	26.2	29.1
2015	26.4	27.1	27.7	29.3	30.3	30.8	31.0	30.3	30.6	29.5	27.0	26.2	28.9
2016	27.0	27.8	29.1	30.8	30.9	31.3	30.4	30.0	29.2	29.9	27.1	25.8	19.7
2017	25.9	26.6	27.8	29.6	30.2	29.9	29.6	29.4	29.8	29.9	27.1	25.8	341.6
2018	26.5	27.1	28.5	29.0	30.5	31.1	30.7	30.3	30.0	28.5	27.0	26.7	28.8
2019	26.8	27.2	28.3	29.7	32.0	29.6	30.4	29.8	29.3	28.2	26.9	26.2	28.7
2020	26.3	27.1	27.6	28.6	29.9	26.9	30.7	30.6	29.1	27.5	26.9	27.1	18.6

-9.9= denotes that data is not available

Source:- Department of Meteorology

