

RAINFALL, MOISTURE INDEX, AGRICULTURE, RESERVOIR LEVELS, MINOR IRRIGATION, EARTHQUAKE IN KARNATAKA – 2024

1. ANNUAL RAINFALL

1.1. Introduction:

The State receives an Annual normal rainfall of **1153 mm** out of which the **Pre-Monsoon season** contributes about **10%**, the **South-West Monsoon** season contributes about **74%** and the **North-East Monsoon** season contributes to about **16%**. The spatial and temporal distribution of rainfall varies significantly across the State, i.e., from West to East. **Udupi District** which lies in the extreme western part of the State receives maximum annual rainfall of **4,535 mm** and **Chitradurga** District which lies in the eastern part of the State receives minimum annual rainfall of **540 mm**.

During **2024**, the **State** as a whole recorded **1375 mm** of rainfall as against the Normal Annual rainfall of **1153 mm** with a departure from Normal being (+) **19%**. Thus the Annual rainfall over the State is considered as **Normal** Rainfall. Among the **31** Districts, **8** Districts recorded **Excess** and **23** Districts recorded **Normal** rainfall.

During the **Pre-Monsoon 2024**, the State has recorded **159 mm** of rainfall as against the Normal rainfall of **120 mm** showing (+)**33 %** departure from Normal. Therefore, the Pre-Monsoon rainfall is considered as **Excess** in the State. Among the **31** Districts, **2** Districts recorded **Large Excess**, **18** Districts recorded **Excess**, **11** Districts recorded **Normal**.

During the **South-West Monsoon 2024**, the State has recorded **642 mm** of rainfall as against the Normal rainfall of **852 mm** showing (+)**15%** departure from Normal. Thus, the South-West Monsoon rainfall is considered as **Normal** in the State. Among the **31** Districts, **5** Districts recorded **Excess** and **26** Districts recorded **Normal** rainfall.

During the **North-East Monsoon 2024**, the State has recorded **238 mm** of rainfall as against the Normal rainfall of **182 mm** showing (+) **30%** departure from Normal. Thus, the North-East Monsoon rainfall is considered as **Excess** in the State. Among the **31** Districts, **8** Districts recorded **Large Excess** rainfall **11** Districts recorded **Excess**, **7** Districts recorded **Normal** rainfall and **5** Districts recorded **Deficit** rainfall.

The report provides the details on Rainfall distribution pattern, Agriculture status, Status of Reservoir levels, Seismic activity in the State and the response of the Government to the Flood & Drought condition in the State.

1.2 Annual Rainfall in the State during 2024

During 2024, the State received a total rainfall of **1375 mm (+19%)** out of which the **Pre-Monsoon season** contributed **33% (159 mm)**, the **South-West Monsoon** season contributed **15% (978 mm)** and the **North-East Monsoon** season contributed **30% (238 mm)** to the Annual rainfall of the State.

Rainfall distribution during different seasons of 2024 in different met divisions of the State is as below:

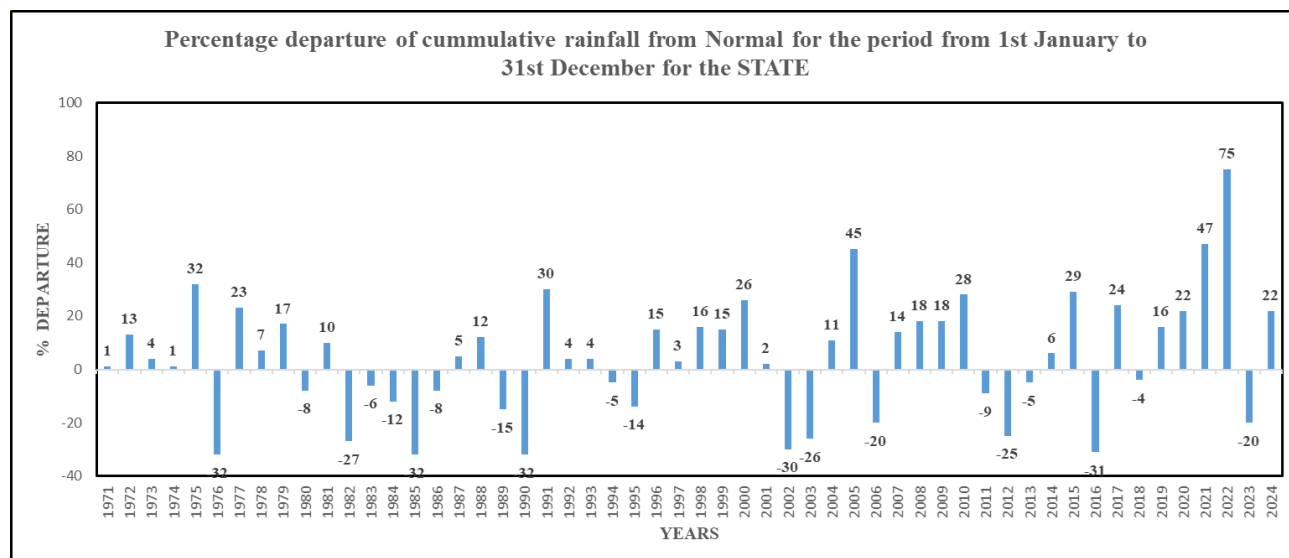
Region/ State	Pre-Monsoon			South-West			North -East			Annual		
	Normal (mm)	Actual (mm)	Dep (%)	Normal (mm)	Actual (mm)	Dep (%)	Normal (mm)	Actual (mm)	Dep (%)	Normal (mm)	Actual (mm)	Dep (%)
SIK	143.4	173.4	21	369	408	11	201.9	293.3	45	714.1	874.5	22
NIK	83.3	102.5	23	479	534	12	139.7	146.0	5	701.6	782.9	12
MALNAD	167.6	266.9	59	1556	1755	13	225.7	319.7	42	1949.6	2341.9	20
COASTAL	158.2	238.0	50	3101	3736	20	259.4	392.7	51	3518.3	4366.6	24
STATE	119.6	159.5	33	852	978	15	182.2	237.8	30	1153.4	1374.7	19

The comparison of Zone-wise rainfall pattern during Annual 2024 with the rainfall of the last 4 years is as follows:

Region/State	Normal (mm)	2020		2021		2022		2023		2024	
		Actual (mm)	Dep (%)	Actual (mm)	Dep (%)	Actual (mm)	Dep (%)	Actual (mm)	Dep (%)	Actual (mm)	Dep (%)
SIK	714	869	22	1050	47	1246	75	572	-20	874.5	22
NIK	702	882	26	780	11	915	30	524	-25	782.9	12
MALNAD	1950	1827	-6	2100	8	2303	18	1275	-35	2341.9	20
COASTAL	3518	3936	12	3784	8	3672	4	2848	-19	4366.6	24
State	1153	1307	13	1337	16	1474	28	872	-24	1374.7	19

The percentage departure of rainfall from Normal during 2024 is (+) **19%** which is **good** when compared to the rainfall of the **last** year.

The percentage departure of Annual rainfall from Normal for the State as a whole since 1971 is given in the following Figure 1.1:



The above figure shows that the percentage departure of Annual rainfall for the State since 1971. The Rainfall recorded during 2024 is (+) **19%** which is **more** than the corresponding period of the **last** year.

District wise rainfall pattern during the Year 2024 is given in the following Table.

Sl. No.	District	Normal (mm)	Actual (mm)	Departure (%)
1	Tumakuru	669	1016	52
2	Davanagere	659	952	45
3	Belagavi	826	1165	41
4	Hassan	1142	1580	38
5	Uttara Kannada	2936	3914	33
6	Chitradurga	540	698	29
7	Mandya	699	869	24
8	Chikkamagaluru	1833	2250	23
9	Vijayanagar	643	764	19
10	Dakshina Kannada	4006	4666	16
11	Udupi	4535	5261	16
12	Shivamogga	2325	2690	16
13	Mysuru	837	965	15
14	Dharwad	787	890	13
15	Haveri	800	899	12
16	Kodagu	2729	3052	12
17	Bengaluru Rural	799	884	11
18	Ballari	600	663	11
19	Bengaluru Urban	846	934	10
20	Kalaburagi	771	831	8
21	Chamarajanagara	787	836	6
22	Kolar	735	780	6
23	Vijayapura	591	622	5
24	Ramanagara	840	878	4
25	Bagalkote	582	603	4
26	Chikkaballapura	736	755	3
27	Yadgir	719	736	2
28	Bidar	838	839	0
29	Koppala	614	598	-3
30	Raichur	655	637	-3
31	Gadag	624	583	-7
	STATE	1153	1374.7	19

Large Excess ($\geq 60\%$)	Nil
Excess (+20 to +59%)	8 Districts
Normal (-19 to +19%)	23 Districts

Deficit (-20 to -59%)	Nil
Large Deficit (-60 to -99%)	Nil
No rain (<=-100%)	Nil

During the preceding year (2023) the Annual rainfall was **Normal** in **12** Districts and **Excess** in **19** Districts.

Taluk wise Annual Rainfall pattern of 2024 is given in the following table (**Total 236 Taluks in the State**):

Large Excess (>=60%)	9 Taluks
Excess (+20 to +59%)	87 Taluks
Normal (-19 to +19%)	132 Taluks
Deficit (-20 to -59%)	8 Taluks
Large Deficit (-60 to -99%)	Nil
No rain (<=-100%)	Nil

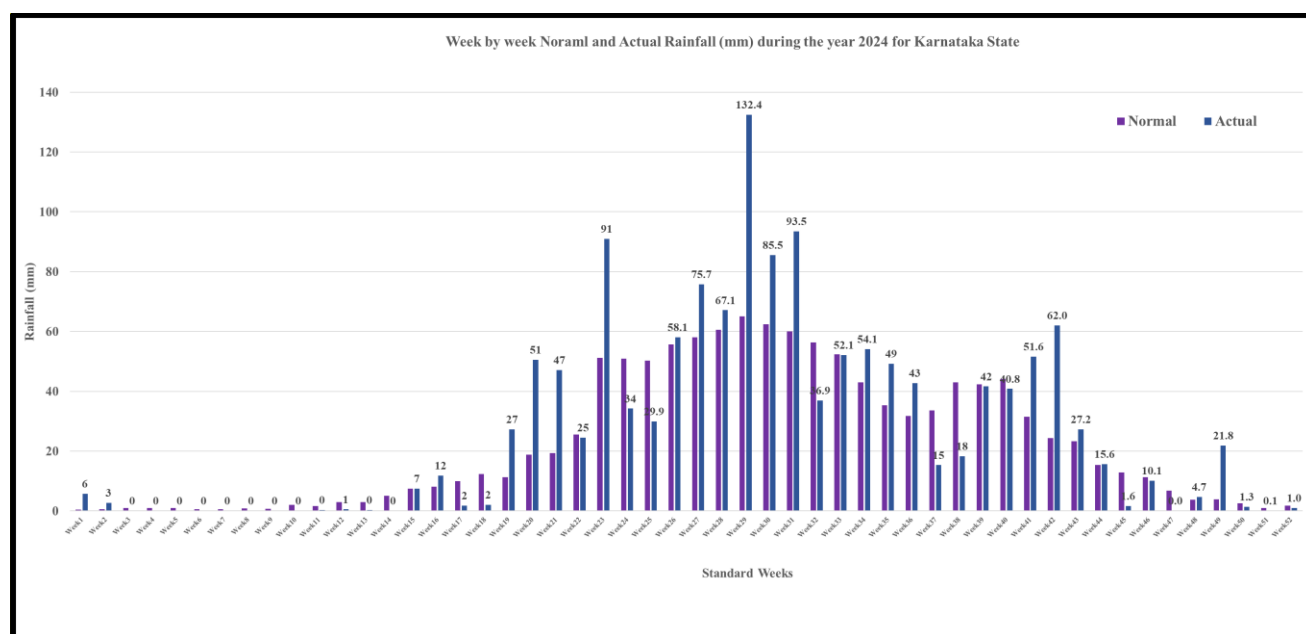
During the preceding year (2023) the Annual rainfall was **Excess** in **2** Taluks and **Normal** in **80** Taluks **Deficit** in **151** Taluks and **Large Deficit** in **3** Taluks.

Hobli wise Rainfall pattern during 2024 is given in the following table (**Total 850 Hoblis in the State**):

Large Excess (>=60%)	60 Hoblis
Excess (+20 to +59%)	317 Hoblis
Normal (-19 to +19%)	439 Hoblis
Deficit (-20 to -59%)	34 Hoblis
Large Deficit (-60 to -99%)	Nil
No rain (<=-100%)	Nil

During the preceding year (2023) the annual rainfall, **Excess** in **15** Hoblis, **Normal** in **316** Hoblis **Deficit** in **509** Hoblis and **Large Deficit** in **10** Hoblis.

Weekly Rainfall pattern for the State during 2024 is given in the following Figure 1.2.



1.3 Rainfall in 4 meteorological sub-Divisions of the State during 2024.

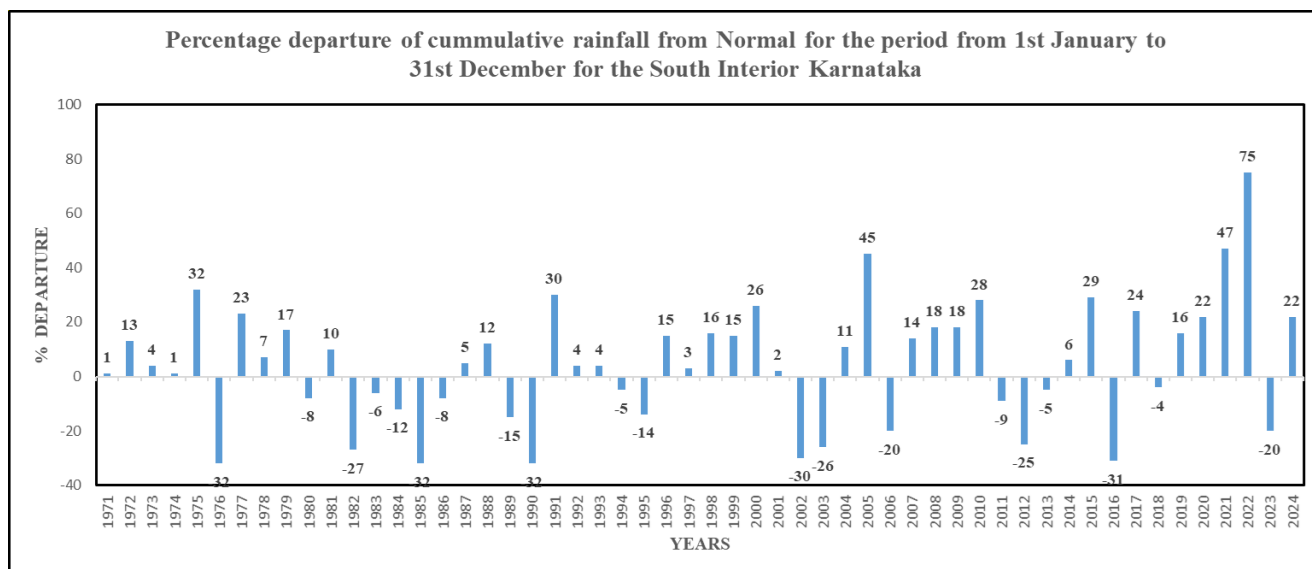
1.3.1 South-Interior Karnataka (SIK):

During 2024, the Annual rainfall was **Excess** in **Chitradurga, Davanagere, Mandya and Tumakuru, Bengaluru Rural, Bengaluru Urban, Kolar, Mysuru** Districts, **Normal** in **Chamarajanagara, Chikkaballapura, and Ramanagara** Districts. During the preceding year (2023), the Annual rainfall was **Normal** in **6** Districts and **Deficit** in **5** Districts.

Among the **69** Taluks in **SIK**, the Annual rainfall was **Large Excess** in **1** Taluk, **Excess** in **24** Taluks and **Normal** in **44** Taluks . During the preceding year (2023), the Annual rainfall was **Normal** in **24** Taluks and **Deficit** in **45** Taluks.

Among the **336** Hoblis in **SIK**, the Annual rainfall was **Large Excess** in **32** Hoblis, **Excess** in **124** Hoblis , **Normal** in **172** Hoblis and **Deficit** in **8** Hoblis. During the preceding year (2023), the Annual rainfall was **Excess** in **5** Hoblis, **Normal** in **151** Hoblis and **Deficit** in **180** Hoblis.

The departure (%) of the Annual rainfall from Normal in South-Interior Karnataka since 1971 is given in the following Figure 1.3:



The figure shows that, during 2024, the **South-Interior Karnataka** recorded a rainfall **(+)22% more** the Normal which is **less** than the corresponding period from the **last** year.

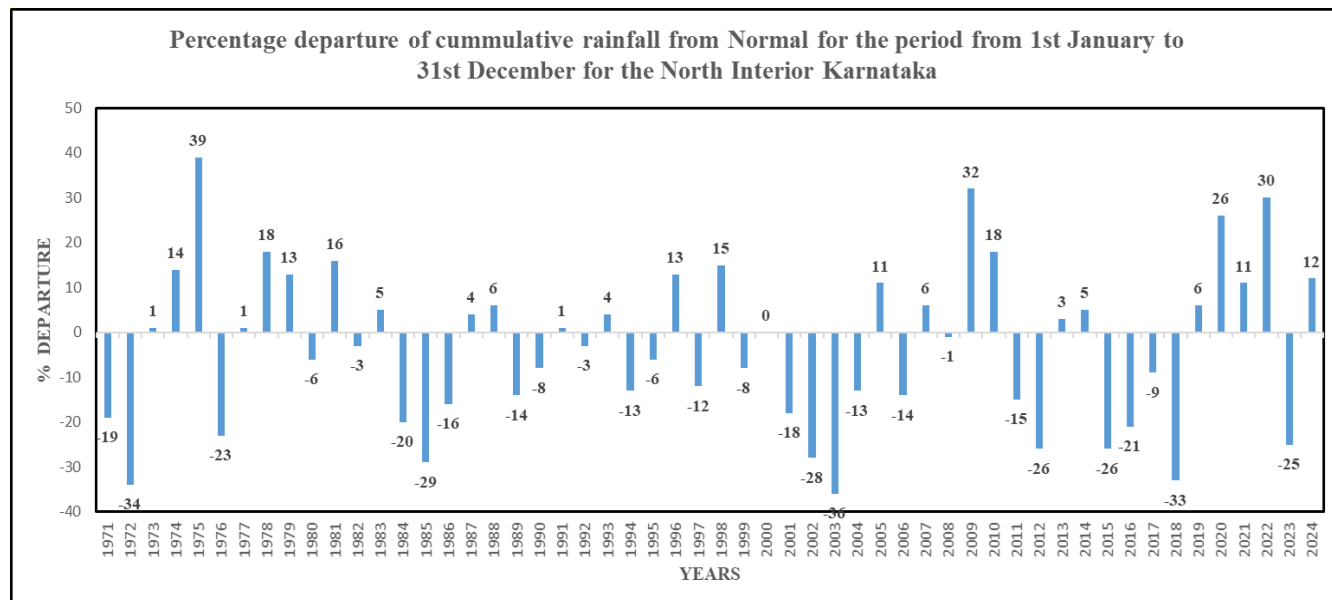
1.3.2 North-Interior Karnataka (NIK):

During 2024, the Annual rainfall was **Excess** in **Belagavi** District and **Normal** in **Bagalkote, Ballari, Bidar, Dharwad, Gadag, Kalaburagi, Koppala, Haveri, Raichur, Vijayanagara, Vijayapura** and **Yadgir** Districts. During the preceding year (2023), the Annual rainfall was **Normal** in **4** Districts and **Excess** in **9** Districts.

Among the **110** Taluks, the Annual rainfall was **Large Excess** in **3** Taluks, **Excess** in **29** Taluks, **Normal** in **70** Taluks and **Deficit** in **8** Taluks. During the preceding year (2023), the Annual rainfall was **Excess** in **2** Taluks , **Normal** in **27** Taluks, **Deficit** in **78** Taluks and **Large Deficit** in **3** Taluks.

Among the **316** Hoblis, the Annual rainfall was **Large Excess** in **7** Hoblis, **Excess** in **82** Hoblis, **Normal** in **203** Hoblis and **Deficit** in **24** Hoblis. During the preceding year (2023), the Annual rainfall was **Excess** in **9** Hoblis, **Normal** in **88** Hoblis, **Deficit** in **212** Hoblis and **Large Deficit** in **7** Hoblis.

Percentage departure of the Annual rainfall from Normal in North-Interior Karnataka since 1971 is given in the following Figure 1.4:



The figure indicates that, during 2024, the **North-Interior Karnataka** recorded a rainfall (+)**12%** **more** the Normal which is **more** than the corresponding period from the **last** year.

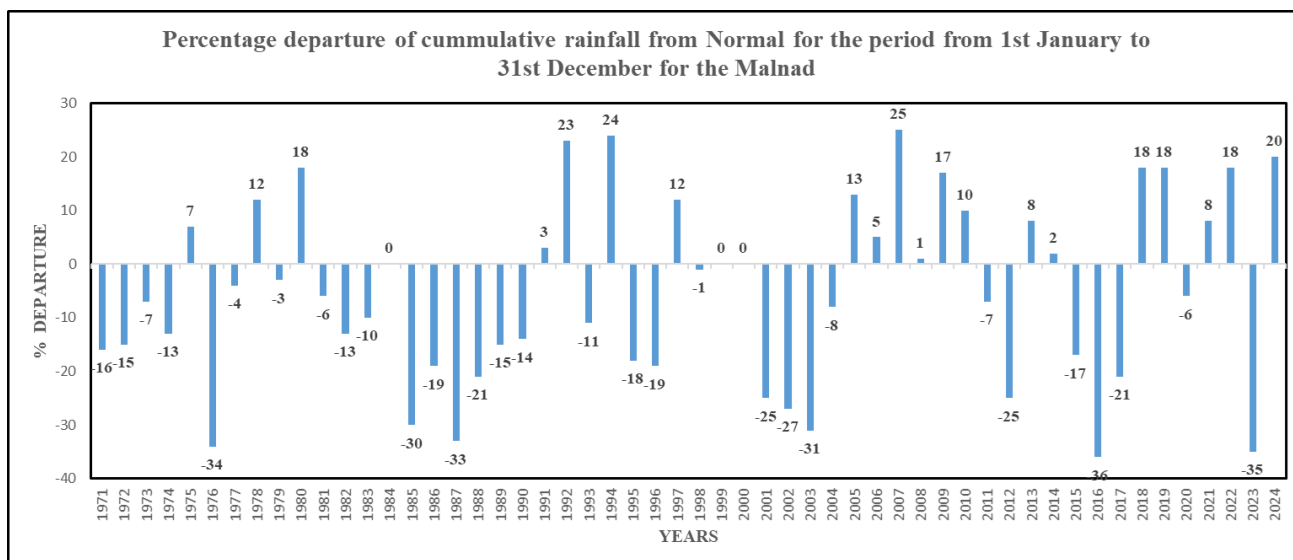
1.3.3 Malnad Region:

During 2024, the Annual rainfall was **Excess** in **Chikkamagaluru** and **Hassan** Districts and **Normal** in **Kodagu** and **Shivamogga** Districts. During the preceding year (2023), the Annual rainfall was **Deficit** in **4** Districts.

Among the **29** Taluks, the Annual rainfall was **Large Excess** in **4** Taluks, **Excess** in **21** Taluks and **Normal** in **4** Taluks. During the preceding year (2023), the Annual rainfall was **Normal** in **9** Taluks and **Deficit** in **20** Taluks.

Among the **131** Hoblis, the Annual rainfall was **Large Excess** in **18** Hoblis, **Excess** in **70** Hoblis, **Normal** in **41** Hoblis and **Deficit** in **2** Hoblis. During the preceding year (2023), the Annual rainfall was **Excess** in **1** Hobli, **Normal** in **38** Hoblis, **Deficit** in **89** Hoblis and **Large Deficit** in **3** Hoblis.

Percentage departure of the Annual rainfall from Normal in Malnad Region since 1971 is given in the following Figure 1.5:



The Figure shows that, during 2024, the Malnad Region recorded a rainfall (+)**20% more** the Normal, which is **more** than the corresponding period from the **last** year.

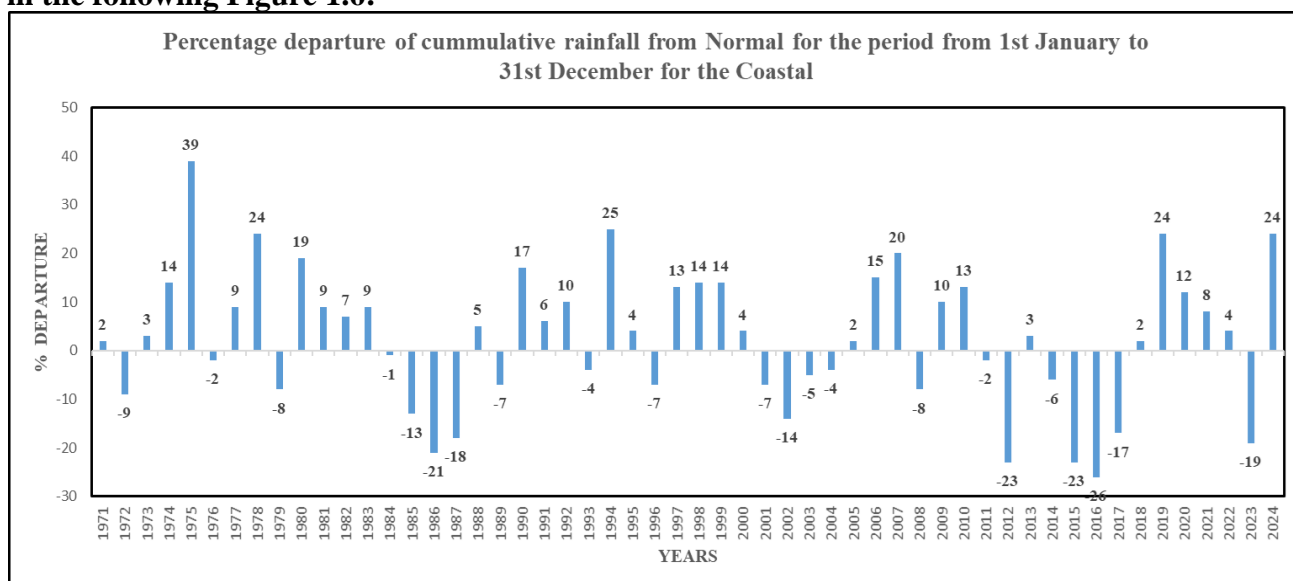
1.3.4 Coastal Region:

During 2024, the Annual rainfall was **Excess** in **Uttara Kannada** District and **Normal** in **Dakshina Kannada** and **Udupi** Districts. During the preceding year (2023), the Annual rainfall was **Normal** in **2** Districts and **Deficit** in **1** District.

Among the **28** Taluks, the Annual rainfall was **Large Excess** in **1** Taluk, **Excess** in **13** Taluks and **Normal** in **14** Taluks. During the preceding year (2023), the Annual rainfall was **Normal** in **20** Taluks and **Deficit** in **8** Taluks.

Among the **67** Hoblis, the Annual rainfall was **Large Excess** in **3** Hoblis, **Excess** in **41** Hoblis and **Normal** in **23** Hoblis. During the preceding year (2023), the Annual rainfall was **Normal** in **39** Hoblis and **Deficit** in **28** Hoblis.

Percentage departure of the Annual rainfall from Normal in Coastal Region since 1971 is given in the following Figure 1.6:



The figure shows that, during 2024, the **Coastal Region** recorded a rainfall (+)**24% more** the Normal and which is **more** than the corresponding period of the **last** year.

Number of Taluks falling under different Rainfall Categories during 2024 and 2023.

Division	Total No Taluks	Large Excess		Excess		Normal		Deficit		Large Deficit		No Rain	
		2024	2023	2024	2023	2024	2023	2024	2023	2024	2023	2024	2023
1.SIK	69	1	0	24	0	44	24	0	45	0	0	0	0
2.NIK	110	3	0	29	2	70	27	8	78	0	3	0	0
3.MALNAD	29	4	0	21	0	4	9	0	20	0	0	0	0
4.COASTAL	28	1	0	13	0	14	20	0	8	0	0	0	0
State	236	9	0	87	2	132	80	8	151	0	3	0	0

Table: 1.1: District / Taluk / Hobli / Region rainfall Pattern in Karnataka State during 2024.

Sl.No	District/Taluk/Hobli	Annual Rainfall 2024 (1 st January to 31 st December)		
		Normal (mm)	Actual (mm)	%DEP
1	BENGALURU URBAN	845.6	933.8	10
1	Anekal	901.6	933.8	4
1	Anekal_1	901.6	866.5	-4
2	Attibele_1	823.5	970.5	18
3	Jigani_1	844.8	900.4	7
4	Sarjapura_1	747.8	929.3	24
5	Anekal_2	880.9	937.5	6
6	Jigani_2	865.0	969.0	12
7	Attibele_2	856.8	941.3	10
8	Sarjapura_1	855.0	959.4	12
9	Sarjapura_3	813.6	994.3	22
2	Bengaluru North	1004.6	969.2	-4
1	Bengaluru North_1	1004.6	869.3	-13
2	Dasanapura_1	895.6	884.6	-1
3	Yashavantapura_1	819.0	1031.4	26
4	Bengaluru North_2	854.2	950.0	11
5	Yashavantapura_2	865.7	1081.6	25
6	Dasanapura_2	872.2	1079.2	24
7	Dasanapura_3	899.8	1019.1	13
3	Bengaluru South	819.5	913.3	11
1	Beguru_3	819.5	818.0	0
2	Kengeri_1	905.4	1036.0	14
3	Tavarekere_1	734.4	1096.7	49
4	Uttarahalli_4	904.7	1147.4	27
5	Uttarahalli_1	885.8	780.7	-12
6	Uttarahalli_2	872.1	848.2	-3
7	Uttarahalli_3	862.6	682.5	-21

Sl.No	District/Taluk/Hobli	Annual Rainfall 2024 (1 st January to 31 st December)		
		Normal (mm)	Actual (mm)	%DEP
8	Uttarahalli_5	941.1	964.2	2
9	Beguru_1	912.3	832.2	-9
10	Beguru_2	875.0	892.7	2
11	Kengeri_2	877.9	932.0	6
12	Kengeri_3	860.1	869.1	1
13	Kengeri_4	851.5	1235.0	45
14	Tavarekere_2	961.0	790.3	-18
15	Tavarekere_3	870.6	1012.4	16
4	Bengaluru East	814.5	817.1	0
1	Mahadevpura_1	814.5	532.0	-35
2	Bidarahalli_2	828.0	821.5	-1
3	Varturu_1	817.9	911.6	11
4	K R Pura_2	855.2	765.7	-10
5	K R Pura_3	827.4	683.7	-17
6	Varturu_2	881.1	761.2	-14
7	Bidarahalli_1	820.6	896.6	9
8	Mahadevpura_2	882.2	506.9	-43
9	Marathahalli	891.5	930.2	4
10	Bidharahalli_3	798.7	1089.9	36
5	Yelahanka	751.6	1022.2	36
1	Yelahanka_1	751.6	1157.9	54
2	Yelahanka_2	785.4	1040.7	33
3	Yelahanka_3	800.6	1128.3	41
4	Jala_1	760.1	873.8	15
5	Jala_2	763.4	976.7	28
6	Jala_3	781.4	970.3	24
7	Hesarughatta_1	746.1	1007.1	35
8	Hesarughatta_2	780.6	1028.7	32
2	BENGALURU RURAL	798.5	883.5	11
6	Devanahalli	808.5	813.2	1
1	Devanahalli	808.5	910.1	13
2	Channarayapatna	796.3	741.3	-7
3	Kundana	786.3	777.7	-1
4	Vijayapura	786.9	815.2	4
7	Doddaballapura	799.0	951.0	19
1	Dodballapur	799.0	844.5	6
2	Dodda Belavangala	791.9	960.6	21
3	Madure	812.5	879.8	8
4	Sasalu	710.0	975.5	37
5	Tubagere	787.0	1040.7	32
8	Hosakote	856.9	756.7	-12

Sl.No	District/Taluk/Hobli	Annual Rainfall 2024 (1 st January to 31 st December)		
		Normal (mm)	Actual (mm)	%DEP
1	Hosakote	856.9	894.0	4
2	Anugondhalli	731.3	705.6	-4
3	Jadigenhalli	795.7	808.3	2
4	Nandagudi	777.3	665.5	-14
5	Sulibele	802.8	731.2	-9
9	Nelamangala	954.3	979.7	3
1	Nelamangala	954.3	1025.3	7
2	Sompura	794.5	953.8	20
3	Tyamagondal	877.0	875.9	0
4	Nelamangala_2	890.8	1013.4	14
5	Sompura_2	827.0	878.8	6
6	Tyamagondal_2	869.8	1032.6	19
3	RAMANAGARA	840.1	877.9	4
10	Channapatna	861.4	797.2	-7
1	Channapatna	861.4	840.6	-2
2	Maluru	843.4	760.3	-10
3	Virupakshipura	843.5	799.8	-5
11	Kanakapura	797.0	781.7	-2
1	Kanakapura	797.0	796.8	0
2	Kodihalli	802.6	961.0	20
3	Satnuru	798.6	603.6	-24
4	Uyyamballi	792.5	741.2	-6
12	Magadi	1000.6	1141.0	14
1	Magadi	1000.6	1201.3	20
2	Kuduru	841.2	1167.8	39
3	Madabal	968.7	1024.6	6
4	Solur	881.1	1185.4	35
5	Tippasanara	822.3	1132.2	38
13	Ramanagara	921.5	893.9	-3
1	Ramanagara_1	921.5	841.1	-9
2	Bidadi	865.6	855.5	-1
3	Kailancha	867.5	930.0	7
4	Kutgallu	887.6	882.2	-1
5	Ramanagara_2	889.4	969.0	9
6	Kailancha_2	871.7	948.4	9
14	Harohalli	845.5	735.6	-13
1	Harohalli	845.5	618.1	-27
2	Dodda Maralavadi	828.6	797.2	-4
4	KOLAR	735.2	780.3	6
15	Bangarapet	764.3	787.5	3
1	Bangarapet	764.3	728.1	-5

Sl.No	District/Taluk/Hobli	Annual Rainfall 2024 (1 st January to 31 st December)		
		Normal (mm)	Actual (mm)	%DEP
2	Budikote	687.1	731.4	6
3	Kamsandra	778.0	832.7	7
4	Robertsonpet	818.2	921.6	13
16	Kolar	783.6	655.4	-16
1	Kolar	783.6	562.6	-28
2	Holuru	744.7	779.5	5
3	Huttur	768.4	669.5	-13
4	Narasapura	753.0	555.1	-26
5	Sugaturu	763.3	674.1	-12
6	Vakkaleri	737.7	643.8	-13
7	Rajakallahalli Vemagal	758.6	666.0	-12
17	Malur	798.4	766.8	-4
1	Malur	798.4	683.7	-14
2	Lakkur	528.8	836.9	58
3	Masathi	632.6	809.2	28
4	Tyakal	649.2	787.8	21
18	Mulabagilu	803.8	807.9	1
1	Mulbagal	803.8	744.9	-7
2	Avani	775.4	806.4	4
3	Bairakur	734.2	943.1	28
4	Duggasandra	752.5	767.8	2
5	Tayilur	708.1	762.7	8
19	Srinivasapura	757.6	800.3	6
1	Srinivasapura	757.6	807.2	7
2	Nelavanki	664.2	801.7	21
3	Ronuru	711.0	883.5	24
4	Rayalpadu	639.4	771.7	21
5	Yelldur	710.3	734.0	3
20	K.G.F	889.8	954.2	7
1	Betamangala	797.3	914.6	15
2	Kyasamballi	784.9	968.9	23
3	Robertsonpet	889.8	1019.8	15
5	CHIKKABALLAPURA	736.0	755.3	3
21	Bagepalli	695.4	740.6	7
1	Bagepalli	695.4	827.1	19
2	Chelur	706.4	766.2	8
3	Guluru	696.4	740.2	6
4	Mittemari	715.3	786.1	10
5	Pathapalya	701.3	630.6	-10
22	Chikkaballapura	828.4	818.7	-1
1	Chikballapura	828.4	828.9	0

Sl.No	District/Taluk/Hobli	Annual Rainfall 2024 (1 st January to 31 st December)		
		Normal (mm)	Actual (mm)	%DEP
2	Mandikal	723.1	792.4	10
3	Nandi	807.9	835.8	3
23	Chintamani	787.4	704.2	-11
1	Chintamani	787.4	732.5	-7
2	Ambajidurga	768.4	661.8	-14
3	Chilakalanerpu	722.6	689.4	-5
4	Kaiwara	736.2	733.3	0
5	Munganahalli	730.2	699.3	-4
6	Murugamale	749.0	724.7	-3
24	Gauribidanur	704.7	851.5	21
1	Gauribidanur	704.7	809.2	15
2	D.Palya	713.2	699.8	-2
3	Hosur	709.9	919.6	30
4	Manchenahalli	786.2	797.4	1
5	Nagaragere	695.4	885.2	27
6	Tondebavi	758.6	990.7	31
25	Gudibanda	694.0	728.3	5
1	Gudibanda	694.0	778.1	12
2	Somenahalli	728.0	675.4	-7
26	Sidlaghatta	763.5	665.6	-13
1	Sidlaghatta	763.5	663.0	-13
2	Bashattahalli	765.1	711.2	-7
3	Jangamakote	776.0	665.0	-14
4	Sadali	735.2	622.0	-15
6	TUMAKURU	669.2	1015.8	52
27	Chikkanayakanahalli	760.7	1006.5	32
1	Chiknayakanahalli	760.7	1092.6	44
2	Handanakere	594.7	948.6	60
3	Huliyaru	504.1	997.2	98
4	Kandikere	609.7	1024.1	68
5	Shettikeri	700.2	1041.7	49
28	Gubbi	809.4	1147.4	42
1	Gubbi	809.4	1295.2	60
2	Chandrashekerapura	691.9	1002.9	45
3	Chelur	729.5	1161.4	59
4	Hagalavadi	655.0	1096.5	67
5	Kadaba	787.1	1143.7	45
6	Nittur	789.2	1149.4	46
29	Koratagere	778.8	1133.3	46
1	Koratagere	778.8	1194.0	53
2	Chennarayadurga	787.4	1107.4	41

Sl.No	District/Taluk/Hobli	Annual Rainfall 2024 (1 st January to 31 st December)		
		Normal (mm)	Actual (mm)	%DEP
3	Holanahalli	767.9	1198.6	56
4	Kolala	721.3	1055.9	46
30	Kunigal	824.9	931.5	13
1	Kunigal	824.9	951.0	15
2	Amrutur	675.4	920.0	36
3	Huliyurudurga	741.5	899.5	21
4	Huttariduraga	799.3	1071.2	34
5	Kottagere	752.4	985.6	31
6	Yedeyur	668.9	835.4	25
31	Madhugiri	730.3	1034.8	42
1	Madhugiri	730.3	1129.4	55
2	Dodderi	594.3	1084.7	83
3	Itakadibbanahalli	615.7	966.2	57
4	Kodigenahalli	631.6	911.5	44
5	Midigesi	553.4	1009.9	82
6	Puravara	673.6	1114.8	66
32	Pavagada	611.6	873.8	43
1	Pavagada	611.6	901.6	47
2	Nagalamadike	587.7	797.8	36
3	Nidagal	518.0	971.6	88
4	Yellappanayakana Hosakote	532.0	853.8	60
33	Sira	637.7	908.5	42
1	Sira	637.7	863.8	35
2	Bukkaptna	579.1	973.9	68
3	Gowdagere	580.6	750.1	29
4	Hulikunta	505.8	986.2	95
5	Kallambella	606.0	987.9	63
34	Tiptur	731.2	1019.5	39
1	Tiptur	731.2	951.8	30
2	Honnnavalli	705.6	1010.5	43
3	Kibbanahalli	607.6	1085.6	79
4	Nonavinakere	719.8	1053.5	46
35	Tumakuru	830.8	1178.8	42
1	Tumakuru North	830.8	1244.5	50
2	Bellavi	788.1	1305.6	66
3	Guluru	869.3	1091.3	26
4	Hebbur	678.0	983.3	45
5	Uradigere	683.3	1211.0	77
6	Kora	788.4	1306.8	66
7	Tumakuru East	844.2	1381.1	64
8	Tumakuru West	839.5	1158.5	38

Sl.No	District/Taluk/Hobli	Annual Rainfall 2024 (1 st January to 31 st December)		
		Normal (mm)	Actual (mm)	%DEP
9	Tumakuru South	846.3	1117.9	32
36	Turuvekere	772.2	1038.2	34
1	Turuvekere	772.2	1010.6	31
2	Dabbegatta	606.2	1019.3	68
3	Dandinasivara	707.3	1077.7	52
4	Mayasandra	657.0	1051.9	60
7	CHITRADURGA	540.1	697.9	29
37	Challakere	484.5	736.8	52
1	Challakere	484.5	574.8	19
2	Nayakanahatti	427.7	985.0	130
3	Parasurampura	410.3	799.3	95
4	Thalku	391.7	641.7	64
38	Chitradurga	665.5	747.9	12
1	Chitradurga	665.5	688.6	3
2	Bharmasagara	601.4	810.6	35
3	Hire Guntanur	576.0	889.2	54
4	Turuvanur	580.6	676.7	17
39	Hiriyur	578.2	604.3	5
1	Hiriyur	578.2	640.0	11
2	Aymangala	516.7	549.7	6
3	Dharmapura	480.5	668.4	39
4	Javanagondanahalli	562.1	579.7	3
40	Holalkere	722.0	632.4	-12
1	Holalkere	722.0	647.7	-10
2	Bharmanaikanadurga	647.7	601.7	-7
3	Ramagiri	535.1	688.1	29
4	Talya	650.3	601.5	-8
41	Hosadurga	647.7	818.6	26
1	Hosadurga	647.7	837.6	29
2	Madadhakeri	572.8	745.6	30
3	Mathodu	580.2	847.6	46
4	Srirampura	564.3	869.4	54
42	Molakalmuru	545.0	575.4	6
1	Molakalmuru	545.0	501.9	-8
2	Devasamudra	400.3	658.1	64
8	DAVANAGERE	659.0	952.4	45
43	Channagiri	840.1	908.5	8
1	Channagiri	840.1	948.3	13
2	Basavapatna_1	703.4	910.8	29
3	Basavapatna_2	681.9	812.0	19
4	Santebannur_1	710.2	874.4	23

Sl.No	District/Taluk/Hobli	Annual Rainfall 2024 (1 st January to 31 st December)		
		Normal (mm)	Actual (mm)	%DEP
5	Santebannur_2	741.0	847.4	14
6	Ubrani	751.6	943.5	26
44	Davanagere	641.3	956.3	49
1	Davanagere	641.3	934.3	46
2	Anogodu	598.8	975.2	63
3	Mayakonda	638.9	958.7	50
45	Harihara	630.1	868.3	38
1	Harihara	630.1	820.8	30
2	Malebennur	586.3	907.5	55
46	Honnali	661.6	954.6	44
1	Honnali	661.6	946.4	43
2	Govinakovi_2	667.2	881.2	32
3	Sasavehalli_1	719.3	1053.4	46
4	Sasavehalli_2	640.3	890.0	39
47	Jagalur	527.7	994.4	88
1	Jagalur	527.7	1051.9	99
2	Bilichodu	503.6	883.0	75
3	Sokke	574.4	1027.2	79
48	Nyamati	825.7	1085.7	31
1	Belagutti	825.7	1116.3	35
2	Govinakovi_1	709.9	1001.9	41
9	CHAMARAJANAGARA	786.9	836.3	6
49	Chamarajanagara	769.7	880.7	14
1	Chamarajanagara	769.7	856.5	11
2	Chandakavadi	792.9	871.1	10
3	Haradhanalli	774.4	970.2	25
4	Harve	751.9	860.7	14
5	Santemarahalli	837.8	846.1	1
50	Gundlupet	792.0	938.5	18
1	Gundlupet	792.0	905.8	14
2	Begur	648.7	926.9	43
3	Terakanambi	766.2	761.4	-1
4	Hangala	784.1	1006.6	28
51	Kollegal	843.4	789.3	-6
1	Kollegala	843.4	695.5	-18
2	Palya	802.3	839.0	5
52	Yelandur	867.3	750.0	-14
1	Yelandur	867.3	809.8	-7
2	Agara	770.8	720.7	-6
53	Hanur	753.8	775.6	3
1	Hanur	753.8	785.5	4

Sl.No	District/Taluk/Hobli	Annual Rainfall 2024 (1 st January to 31 st December)		
		Normal (mm)	Actual (mm)	%DEP
2	Lokkanahalli	781.4	687.2	-12
3	Ramapura	811.1	797.0	-2
10	MYSURU	837.4	964.9	15
54	Heggadadevanakote	836.7	1137.2	36
1	Heggadadevanakote	836.7	1078.9	29
2	Antarasante	1031.5	1263.2	22
3	Hampapura	764.5	984.1	29
55	Hunsur	799.3	923.7	16
1	Hunsur	799.3	867.4	9
2	Bilikere	764.1	937.1	23
3	Gowdargyare	767.2	805.9	5
4	Hanagoadu	976.2	994.5	2
56	Krishnarajanagar	734.9	712.7	-3
1	Krishnarajanagar	734.9	668.9	-9
2	Hebbalu	721.3	763.9	6
3	Hasa Agrahar	681.7	709.5	4
57	Mysuru	809.9	807.6	0
1	Mysuru	809.9	848.8	5
2	Elivala	756.9	726.2	-4
3	Jayapura	774.1	886.6	15
4	Varuna	738.5	749.6	2
58	Nanjanagud	730.0	926.3	27
1	Nanjangud	730.0	986.8	35
2	Biligere	725.6	837.8	15
3	Chikkayyana Chattra	732.3	882.4	20
4	Hullahalli	788.3	1010.4	28
5	Doddakowlande	731.0	815.7	12
59	Periyapatna	851.7	1093.8	28
1	Periyapatna	851.7	1093.0	28
2	Bettadpur	770.1	1095.0	42
3	Haranahalli	957.0	1279.6	34
4	Ravanduru	809.7	836.2	3
60	T.NARASIPURA	738.2	877.6	19
1	T.Narasipur	738.2	909.9	23
2	Bannur	721.4	836.7	16
3	Muguru	781.3	849.3	9
4	Sosale	737.8	967.8	31
5	Talakad	776.8	819.6	6
61	Saraguru	949.7	1067.4	12
1	Saraguru	949.7	1030.3	8
2	B.Matakere	937.4	1094.9	17

Sl.No	District/Taluk/Hobli	Annual Rainfall 2024 (1 st January to 31 st December)		
		Normal (mm)	Actual (mm)	%DEP
62	Saligrama	662.9	921.5	39
1	Saligram	662.9	983.0	48
2	Mirale	690.2	970.4	41
3	Chanachanakatte	698.6	813.5	16
11	MANDYA	699.0	868.9	24
63	Krishnarajapet	747.4	1061.4	42
1	Krishnarajapet	747.4	933.6	25
2	Akkihebalu	699.4	1092.4	56
3	Bukanakere	700.3	843.5	20
4	Kikkeri	719.5	1215.0	69
5	Santebachahalli	652.0	1223.7	88
6	Silanare	697.7	1060.2	52
64	Maddur	767.0	703.4	-8
1	Madduru_2	767.0	710.1	-7
2	Koppa_2	883.4	715.0	-19
3	Chikkaarasinakere_1	753.1	585.9	-22
4	Autaguru	779.1	747.5	-4
5	Madduru_1	757.8	625.0	-18
6	Koppa_2	739.3	915.4	24
7	Koppa_1	832.2	768.5	-8
8	Koppa_3	768.5	736.3	-4
9	Chikaarasinakere_2	742.1	633.6	-15
10	Chikaarasinakere_3	734.5	667.3	-9
65	Malavalli	702.6	889.2	27
1	Malavalli_1	702.6	758.5	8
2	Halaguru	799.3	962.4	20
3	Kirgavalu_1	719.0	747.1	4
4	B G Pura_2	778.1	883.9	14
5	Malavalli_2	748.3	924.2	24
6	Malavalli_3	772.3	742.3	-4
7	Kirgavalu_2	721.1	986.8	37
8	Kirgavalu_3	718.6	899.2	25
9	B G Pura_1	772.6	906.4	17
66	Mandya	699.7	762.6	9
1	Mandya_1	699.7	610.6	-13
2	Basaralu_1	609.5	929.2	52
3	Dudda_1	648.8	833.4	28
4	Keragodu_1	735.1	733.6	0
5	Kottatti_1	697.4	691.3	-1
6	Mandya_2	736.9	625.9	-15
7	Kottatti_2	709.4	709.5	0

Sl.No	District/Taluk/Hobli	Annual Rainfall 2024 (1 st January to 31 st December)		
		Normal (mm)	Actual (mm)	%DEP
8	Keragodu_2	747.4	703.5	-6
9	Dudda_2	681.4	606.7	-11
10	Basaralu_2	796.4	959.9	21
67	Nagamangala	765.1	904.3	18
1	Nagamangala	765.1	621.3	-19
2	Belluru	520.0	965.2	86
3	Bendaganavele	556.4	1177.1	112
4	Devalapura	692.0	810.1	17
5	Honakere	465.3	973.1	109
68	Pandavapura	679.6	806.8	19
1	Pandavapura_1	679.6	664.2	-2
2	Chinkurali	684.6	873.1	28
3	Melukote	701.8	853.8	22
4	Pandavapura_2	660.5	688.7	4
69	Srirangapatna	638.1	834.1	31
1	Srirangapatna	638.1	842.4	32
2	Arakere	700.9	798.5	14
3	Belagola	748.0	870.1	16
4	K Shettihalli_2	650.6	847.9	30
5	K Shettihalli_1	642.9	855.2	33
12	BALLARI	599.5	662.6	11
70	Ballari	516.2	431.4	-16
1	Ballari	516.2	410.1	-21
2	Moka	523.8	559.0	7
3	Rupanagudi	504.6	316.6	-37
4	Koluru	525.3	475.5	-9
71	Sandur	818.6	893.9	9
1	Sandur	818.6	906.4	11
2	Choranuru	626.8	975.4	56
3	Toranagallu	611.6	776.8	27
72	Siruguppa	675.1	650.4	-4
1	Siruguppa	675.1	790.0	17
2	Hachcholli	655.7	700.4	7
3	Karuru	563.1	476.2	-15
4	Tekkalakote	630.0	682.1	8
73	Kurugodu	499.2	595.2	19
1	Kurugodu	499.2	631.4	26
2	Koluru	513.6	536.9	5
74	Kampli	531.1	657.0	24
1	Kampli	531.1	685.0	29
2	Kurugodu	552.8	607.8	10

Sl.No	District/Taluk/Hobli	Annual Rainfall 2024 (1 st January to 31 st December)		
		Normal (mm)	Actual (mm)	%DEP
13	KOPPALA	613.8	598.3	-3
75	Gangavathi	583.0	673.1	15
1	Gangavathi	583.0	724.6	24
2	Marali	571.3	579.8	1
3	Venkatagiri	585.5	705.1	20
76	KOPPALA	635.0	610.5	-4
1	Koppal	635.0	629.0	-1
2	Alawandi	586.7	645.5	10
3	Hitnal	640.1	620.0	-3
4	Irkalgada	626.9	538.5	-14
77	Kushtagi	597.1	550.9	-8
1	Kushtagi	597.1	559.6	-6
2	Hanumanhal	658.4	515.4	-22
3	Hanamsagar	626.6	547.2	-13
4	Tavaragera	591.8	568.4	-4
78	Yelburga	596.8	646.7	8
1	Yelburga	596.8	641.6	8
2	Hire Wankalkunti	594.9	658.2	11
79	Karatagi	639.8	540.1	-16
1	Karatgi	639.8	535.8	-16
2	Siddapur	592.7	544.7	-8
80	Kukanuru	693.2	537.9	-22
1	Kukanoor	693.2	500.6	-28
2	Manglur	630.4	623.5	-1
81	Kanakagiri	525.2	665.1	27
1	Kanakagiri	525.2	637.9	21
2	Hulihaidar	557.6	568.6	2
3	Nauli	594.9	781.4	31
14	RAICHUR	654.7	636.6	-3
82	Deodurga	759.0	630.0	-17
1	Devadurga	759.0	619.7	-18
2	Arakeri	658.5	650.1	-1
3	Gabbur	682.5	667.2	-2
4	Jalihalli	690.3	580.6	-16
83	Lingsugur	631.3	643.1	2
1	Lingasuguru	631.3	672.2	6
2	Gurgunta	622.8	644.0	3
3	Mudgal	624.7	615.4	-1
84	Manvi	651.9	522.1	-20
1	Manvi	651.9	489.5	-25
2	Hire Katankal	644.3	492.1	-24

Sl.No	District/Taluk/Hobli	Annual Rainfall 2024 (1 st January to 31 st December)		
		Normal (mm)	Actual (mm)	%DEP
3	Kurdi	663.2	594.1	-10
85	Raichur	735.6	769.1	5
1	Raichur	735.6	846.1	15
2	Chandrabanda	733.0	758.6	3
3	Devarsugur	723.4	810.9	12
4	Gilasuguru	610.8	667.0	9
5	Kalmali	678.3	707.8	4
6	Yergara	762.8	823.0	8
86	Sindhanur	691.4	628.6	-9
1	Sindhanur	691.4	642.3	-7
2	Badarli	662.9	684.0	3
3	Gorebal	648.9	464.7	-28
4	Gunjihalli	634.6	594.9	-6
5	Hadganhal	654.9	636.5	-3
6	Huda	649.9	482.4	-26
7	Jalihal	637.7	708.9	11
8	Jawalgeri	655.9	702.1	7
9	Kunatgi	660.7	732.8	11
10	Salgundi	660.2	590.6	-11
11	Turvihal	627.4	685.6	9
12	Walkamdinni	644.9	621.6	-4
87	Maski	559.5	569.1	2
1	Maski	559.5	591.2	6
2	Halapur	587.1	469.7	-20
3	Pamankallur	602.2	499.3	-17
4	Balganur	598.7	642.1	7
5	Gunjihalli	609.9	634.4	4
6	Turvihal	603.8	668.4	11
7	Gudadur	574.3	611.5	6
8	Lingsugur	593.0	444.8	-25
88	Sirivara	588.7	606.5	3
1	Sirwar	588.7	605.4	3
2	Kallur	671.5	624.4	-7
3	Mallat	624.5	615.6	-1
4	Kavital	622.7	580.1	-7
15	KALABURAGI	770.5	830.5	8
89	Afzalpur	692.0	768.4	11
1	Afzalpur	692.0	766.3	11
2	Atanur	707.2	792.8	12
3	Karajgi	663.7	745.0	12
90	Aland	763.7	886.1	16

Sl.No	District/Taluk/Hobli	Annual Rainfall 2024 (1 st January to 31 st December)		
		Normal (mm)	Actual (mm)	%DEP
1	Aland	763.7	870.8	14
2	Khajuri	757.2	941.4	24
3	Madana Hipparga	735.5	870.4	18
4	Narona	766.6	953.1	24
5	Nimbarga Tanda	761.8	839.1	10
91	Chincholi	913.2	852.6	-7
1	Chincholi	913.2	971.2	6
2	Ainapur	783.4	832.0	6
3	Sulepet	873.9	737.3	-16
4	Kodli Chincholi	896.8	735.5	-18
92	CHITTAPUR	771.2	886.3	15
1	Chittapur	771.2	926.6	20
2	Gundgurti	776.5	833.1	7
3	Nalavara	791.2	879.5	11
93	Kalaburagi	794.0	787.5	-1
1	Kalaburagi	794.0	829.7	4
2	Aurad	777.5	827.2	6
3	Farhatabad	779.2	751.8	-4
4	Pattan	772.7	760.4	-2
94	Jevargi	804.9	688.3	-14
1	Jewargi	804.9	688.1	-15
2	Andola	792.1	701.1	-11
3	Nelogi	752.9	676.6	-10
95	Sedam	790.8	988.7	25
1	Sedam	790.8	944.0	19
2	Adki	807.0	992.1	23
3	Kodla	799.5	972.0	22
4	Mudhol	806.9	1060.4	31
96	Kalagi	765.5	834.2	9
1	Kalagi	765.5	874.7	14
2	Kodli	774.2	767.0	-1
3	Gundgurti	772.8	855.7	11
97	Kamalapura	762.0	926.2	22
1	Kamalapur	762.0	857.1	12
2	Mahagaon Tanda	772.1	937.1	21
3	Narona	770.2	1108.1	44
4	Ainapur	779.7	676.0	-13
98	Yadrami	686.5	677.3	-1
1	Yadrami	686.5	657.7	-4
2	Ijeri	750.0	708.5	-6
99	Shahbadha	758.4	837.3	10

Sl.No	District/Taluk/Hobli	Annual Rainfall 2024 (1 st January to 31 st December)		
		Normal (mm)	Actual (mm)	%DEP
1	Shahabad	758.4	837.3	10
16	BIDAR	838.1	838.7	0
100	Aurad	854.8	643.6	-25
1	Aurad	854.8	653.3	-24
2	Chintaki	873.0	560.8	-36
3	Santpur	875.0	692.9	-21
101	Bidar	939.8	837.9	-11
1	Bidar	939.8	768.6	-18
2	Bagadhal	843.1	811.9	-4
3	Bidar South	935.1	873.6	-7
4	Janwada	909.4	868.5	-4
5	Kamthana	906.5	826.4	-9
6	Manalli	890.2	890.9	0
102	Bhalki	874.1	866.8	-1
1	Bhalki	874.1	879.4	1
2	Halburga	875.4	857.6	-2
3	Khatak Chincholi	833.2	940.7	13
4	Lakangaon	877.3	847.1	-3
5	Nittur Buzurg	873.5	847.7	-3
6	Saigaon	769.2	845.5	10
103	Basavakalyan	790.3	941.5	19
1	Basavakalyan	790.3	949.3	20
2	Kohinoor	774.8	954.5	23
3	Matala	786.9	985.4	25
4	Mudabi	778.9	928.6	19
5	Rajeshwar	813.4	890.1	9
104	Humnabad	834.2	961.6	15
1	Humnabad	834.2	995.9	19
2	Dubalgundi	822.4	938.0	14
3	Hallikheda	827.0	940.0	14
105	Chittaguppa	759.4	952.2	25
1	Chitguppa	759.4	886.2	17
2	Bhimalkhed	838.3	1012.9	21
3	Nirna	794.1	980.6	23
106	Kamalanagara	902.4	716.3	-21
1	Kamalnagar	902.4	613.4	-32
2	Dabaka C.	877.7	866.8	-1
3	Thanakushanur	873.4	739.2	-15
107	Hulasuru	739.3	625.0	-15
1	Hulsoor	739.3	625.0	-15
17	BELAGAVI	826.2	1165.0	41

Sl.No	District/Taluk/Hobli	Annual Rainfall 2024 (1 st January to 31 st December)		
		Normal (mm)	Actual (mm)	%DEP
108	Athani	539.0	642.4	19
1	Athani	539.0	618.2	15
2	Anantapur	516.9	649.4	26
3	Telsang	507.3	656.4	29
109	Bailhongal	816.0	1038.1	27
1	Bailhongal	816.0	979.2	20
2	Nesargi	770.7	1086.2	41
110	Belagavi	1363.1	1673.2	23
1	Belagavi	1363.1	1776.7	30
2	Hirebagevadi	1041.3	1338.5	29
3	Kakti	1130.5	1322.0	17
4	Uchagaon	1340.9	2302.3	72
111	Chikkodi	666.0	873.4	31
1	Chikkodi	666.0	928.2	39
2	Nagaramonnali	634.1	807.3	27
3	Sadalgi	663.4	854.2	29
112	Gokak	524.1	707.3	35
1	Gokak	524.1	755.6	44
2	Kowjalgi	537.0	712.1	33
3	Arbhavi	560.4	569.2	2
113	Hukkeri	648.6	1015.1	57
1	Hukkeri	648.6	781.5	20
2	Sankeswar	812.1	1184.0	46
3	Yamkanmardi	685.2	1081.5	58
114	Khanapur	1950.2	3018.9	55
1	Khanapur	1950.2	1977.9	1
2	Bidi	1413.4	1755.9	24
3	Gunji	2263.3	3371.4	49
4	Jamboti	1856.1	3825.7	106
115	Ramadurga	540.4	707.7	31
1	Ramdurg	540.4	665.8	23
2	Bidki	534.0	685.7	28
3	Katkol	535.6	762.4	42
4	Mudkavi	542.5	700.7	29
116	Raibagh	483.1	614.1	27
1	Raibagh	483.1	610.5	26
2	Kudchi	528.9	617.6	17
117	Soundatti	568.0	848.1	49
1	Savadatti	568.0	905.1	59
2	Manoli	562.0	809.9	44
3	Muragoda	607.1	822.5	35

Sl.No	District/Taluk/Hobli	Annual Rainfall 2024 (1 st January to 31 st December)		
		Normal (mm)	Actual (mm)	%DEP
118	Kitthuru	1035.5	1387.8	34
1	Kittur	1035.5	1375.1	33
119	Nippani	838.1	1128.7	35
1	Nippani	838.1	1239.4	48
2	Sadalgi	766.8	987.8	29
120	Kagavada	540.7	882.2	63
1	Kagwad	540.7	882.2	63
121	Mudagali	533.5	637.4	19
1	Arbhavi	533.5	674.7	26
2	Kowjalgi	528.5	602.1	14
122	Yargatti	532.8	735.6	38
1	Yargatti	532.8	735.6	38
18	BAGALKOTE	582.4	602.9	4
123	Badami	599.5	599.5	0
1	Badami	599.5	557.0	-7
2	Kerur	569.7	615.1	8
3	Kulgeri	582.5	625.8	7
124	Bagalkote	612.6	571.6	-7
1	Bagalkote	612.6	548.2	-11
2	Kaladgi	548.1	518.8	-5
3	Rampura	611.7	642.6	5
125	Bilgi	609.5	495.3	-19
1	Bilgi	609.5	508.7	-17
2	Anagvadi	598.7	480.2	-20
126	Hungund	669.5	634.7	-5
1	Hungund	669.5	587.4	-12
2	Amingarh	632.6	696.3	10
3	Karadi	652.2	663.8	2
127	Jamkhandi	548.3	704.4	28
1	Jamakhadi	548.3	665.9	21
2	Savalagi	529.7	726.1	37
3	Terdal	542.8	793.0	46
128	Mudhol	532.0	547.6	3
1	Mudhol	532.0	529.4	0
2	Lokapur	472.5	566.1	20
129	Guledagudda	606.8	650.4	7
1	Guledagudda	606.8	650.4	7
130	Ilkal	651.4	658.4	1
1	Ilkal	651.4	719.6	10
2	Amingarh	636.4	593.5	-7
3	Karadi	653.8	562.9	-14

Sl.No	District/Taluk/Hobli	Annual Rainfall 2024 (1 st January to 31 st December)		
		Normal (mm)	Actual (mm)	%DEP
131	Rabakavi Banahatti	495.7	622.2	26
1	Terdal	495.7	616.1	24
2	Mudhol	549.7	645.8	17
19	VIJAYAPURA	591.2	621.6	5
132	BAGEVADI	668.5	594.5	-11
1	Basavana Bagewadi	668.5	604.3	-10
2	Huvin Hippargi	647.1	602.3	-7
3	Managuli	608.3	577.6	-5
133	Vijayapura	670.9	522.3	-22
1	Vijayapura	670.9	542.5	-19
2	Nagathan	392.3	493.2	26
134	Indi	620.2	649.8	5
1	Indi	620.2	636.3	3
2	Ballolli	563.4	664.4	18
135	Muddebihal	651.7	589.6	-10
1	Muddebihal	651.7	630.3	-3
2	Dhavalagi	637.9	546.1	-14
3	Nalatvad	690.6	590.4	-15
136	Sindgi	657.8	643.4	-2
1	Sindhagi	657.8	644.0	-2
137	Babaleshwara	544.6	639.8	17
1	Babaleshwar	544.6	652.6	20
2	Mamdapur	568.8	607.7	7
138	Chadachana	552.4	597.8	8
1	Chadchan	552.4	597.9	8
139	Nidagundi	616.4	624.6	1
1	Nidagundi	616.4	618.4	0
2	Basavana Bagewadi	630.8	565.7	-10
3	Huvin Hippargi	628.5	649.7	3
4	Muddebihal	614.6	681.0	11
5	Dhavalagi	624.3	645.9	3
140	Talikote	585.8	585.5	0
1	Talikoti	585.8	632.0	8
2	Devarhipargi	597.5	425.5	-29
3	Dhavalagi	612.4	629.1	3
4	Huvinhippargi	602.7	594.3	-1
141	Tikota	405.5	766.4	89
1	Tikota	405.5	766.4	89
142	Kolhara	605.7	639.4	6
1	Kolhar	605.7	639.4	6
143	Devara Hipparagi	630.3	600.2	-5

Sl.No	District/Taluk/Hobli	Annual Rainfall 2024 (1 st January to 31 st December)		
		Normal (mm)	Actual (mm)	%DEP
1	Devar Hipparagi	630.3	586.0	-7
2	Huvinhirgi	625.3	676.1	8
144	Almel	646.0	606.3	-6
1	Almel	646.0	605.9	-6
20	GADAG	624.0	582.8	-7
145	Gadag	658.9	567.1	-14
1	Gadag	658.9	578.3	-12
2	Betageri	655.2	558.3	-15
146	Mundargi	556.9	626.1	12
1	Mundargi	556.9	649.3	17
2	Dambal	461.7	612.8	33
147	Naragund	556.8	552.6	-1
1	Naragund	556.8	683.0	23
2	Konnur	583.3	376.4	-35
148	Ron	699.4	436.1	-38
1	Ron	699.4	590.8	-16
2	Hole Alur	623.2	328.5	-47
3	Nargil	668.2	365.9	-45
149	Shirahatti	688.5	704.9	2
1	Shirahatti	688.5	704.9	2
150	Gajendragad	737.1	651.3	-12
1	Rona	737.1	859.2	17
2	Nargil	660.1	579.3	-12
151	Laxmeshwar	593.6	641.1	8
1	Laxmeshwar	593.6	641.1	8
21	Haveri	799.5	899.4	12
152	Byadgi	678.6	1002.6	48
1	Byadgi	678.6	929.5	37
2	Kaginelli	796.7	1095.9	38
153	Hanagal	1043.7	1009.0	-3
1	Hangal	1043.7	986.1	-6
2	Akki Alur	1067.1	982.1	-8
3	Bommanhalli	1024.3	1060.5	4
154	Haveri	777.8	756.0	-3
1	Haveri	777.8	841.7	8
2	Guttal	618.6	718.0	16
3	Karajgi	732.2	733.9	0
155	Hirekerur	856.2	961.5	12
1	Hirekerur	856.2	1001.2	17
2	Haunsbhavi	917.7	924.9	1
156	Ranebennur	622.6	905.9	46

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		Normal (mm)	Actual (mm)	%DEP
1	Ranebennur	622.6	895.3	44
2	Kuppelur	707.7	830.4	17
3	Medleri	650.6	971.4	49
157	Savanur	698.9	786.2	12
1	Savanur	698.9	769.5	10
2	Hatti Mattur	716.5	800.4	12
158	Shiggaon	813.6	922.4	13
1	Shiggaon	813.6	809.7	0
2	Bankapur	808.0	946.2	17
3	Dhunds	955.2	987.0	3
159	Ratteealli	789.5	908.4	15
1	Rattihalli	789.5	921.6	17
2	Hirekerur	829.5	852.8	3
22	DHARWAD	787.1	890.2	13
160	Dharwad	776.9	927.8	19
1	Dharwad	776.9	1028.1	32
2	Aminbhavi	792.2	747.0	-6
3	Garag	908.4	969.0	7
161	Hubballi	771.6	732.2	-5
1	Chabbi	771.6	864.5	12
2	Shirguppi	699.1	650.0	-7
162	Kalghatgi	978.5	1399.6	43
1	Kalghatgi	978.5	1510.5	54
2	Dummavada	851.6	1326.5	56
3	Tabkad Honnihalli	965.1	1349.7	40
163	Kundgol	661.3	945.3	43
1	Kundgol	661.3	949.3	44
2	Saunshi	695.9	941.8	35
164	Navalgund	630.6	606.9	-4
1	Moraba	630.6	606.7	-4
165	Hubballi Nagara	745.8	544.4	-27
1	Hubballi Urban	745.8	544.5	-27
166	Alnavara	1267.4	1613.2	27
1	Alnavar	1267.4	1613.2	27
167	Annigeri	650.6	483.7	-26
1	Annigeri	650.6	483.5	-26
23	SHIVAMOGGA	2324.5	2689.5	16
168	Bhadravathi	865.7	1105.3	28
1	Bhadravathi_1	865.7	1162.6	34
2	Bhadravathi_2	936.5	1280.7	37
3	Hole Honnuru_1	882.5	1021.7	16

Sl.No	District/Taluk/Hobli	Annual Rainfall 2024 (1 st January to 31 st December)		
		Normal (mm)	Actual (mm)	%DEP
4	Hole Honnuru_3	845.6	1142.2	35
5	Hole Honnuru_2	799.5	931.1	16
6	Kudligere	881.6	1053.2	19
169	Hosanagara	3070.8	3602.8	17
1	Hosanagar	3070.8	3378.0	10
2	Huncha	2490.3	3227.8	30
3	Kerehalli	1764.0	1900.5	8
4	Nagar	5204.7	5009.6	-4
170	Sagara	2494.5	3864.7	55
1	Sagar	2494.5	2378.4	-5
2	Anandapuram	1702.1	2218.7	30
3	Baragadde	4039.8	6101.5	51
4	Anahalli	2692.4	3279.5	22
5	Karauru	4154.3	4634.4	12
6	Talguppa	2709.9	3271.2	21
171	Shikaripura	975.2	1350.4	38
1	Shikaripur	975.2	1525.0	56
2	Anjanapura	1170.9	1397.8	19
3	Husuru	861.4	1271.2	48
4	Udagani	1036.8	1383.3	33
5	Talagunda	1050.4	1257.8	20
172	Shivamogga	842.3	1320.9	57
1	Shivamogga_2	842.3	1128.8	34
2	Shivamogga_1	1150.4	1355.3	18
3	Haranahalli	1037.2	1069.2	3
4	Holalur_1	842.5	1133.4	35
5	Holalur_2	912.8	1094.9	20
6	Kumsi	983.9	1500.1	52
7	Nidige_1	950.8	1199.1	26
8	Nidige_2	1192.9	1573.3	32
9	Ayanuru	1043.0	1356.2	30
173	Soraba	1541.0	1849.1	20
1	Sorab	1541.0	1806.0	17
2	Anavatti	1260.8	1326.6	5
3	Chandragutti	2331.7	2550.8	9
4	Jade	1477.8	1305.1	-12
5	Kuppagadde	1417.3	1481.0	4
6	Ulvi	1895.2	2186.5	15
174	Tirthahalli	2866.8	3671.5	28
1	Thirthahalli	2866.8	3521.2	23
2	Agrahara	2713.1	3722.9	37

Sl.No	District/Taluk/Hobli	Annual Rainfall 2024 (1 st January to 31 st December)		
		Normal (mm)	Actual (mm)	%DEP
3	Agumbe	7565.0	5383.1	-29
4	Mandagadde	1690.0	2493.5	48
5	Malur	2578.7	3299.9	28
24	HASSAN	1142.0	1579.8	38
175	Alur	1149.0	1667.1	45
1	Alur	1149.0	1292.8	13
2	Kenchamman Hoskote	1813.9	2256.1	24
3	Kundur	1136.0	1260.2	11
4	Palya	1581.1	1647.4	4
176	Arkalgud	885.3	1220.3	38
1	Arkalgud	885.3	1203.0	36
2	Doddamagge	898.8	1187.2	32
3	Konanuru	797.1	1199.8	51
4	Mallipatna	1246.0	1577.2	27
5	Ramanathapura	829.7	965.3	16
177	Arasikere	695.6	929.4	34
1	Arasikere	695.6	811.8	17
2	Banavara	564.5	988.4	75
3	Gandasi	661.0	1011.3	53
4	Javagal	934.5	934.9	0
5	Kanakatte	595.7	921.4	55
178	Belur	1022.1	1505.8	47
1	Belur	1022.1	1318.2	29
2	Arehalli	1789.6	2239.7	25
3	Bikkodu	1213.4	1830.9	51
4	Halebeedu	1305.2	1069.3	-18
5	Madihalli	1005.0	1265.1	26
179	Channarayapatna	689.5	1065.8	55
1	Channarayapatna	689.5	1148.0	66
2	Baguru	778.5	973.0	25
3	Dandiganahalli	692.0	1036.1	50
4	Hirisave	768.3	1136.8	48
5	Nuggehalli	669.0	996.4	49
6	Shravan Belgola	733.0	1147.2	57
180	Hassan	845.6	1166.4	38
1	Hassan	845.6	1147.2	36
2	Dudda	652.9	1042.2	60
3	Kattya	692.6	1218.0	76
4	Salagame	816.2	1370.6	68
5	Shantigrama	661.4	1109.2	68
181	Holenarasipura	768.8	1081.6	41

Sl.No	District/Taluk/Hobli	Annual Rainfall 2024 (1 st January to 31 st December)		
		Normal (mm)	Actual (mm)	%DEP
1	Holenarasipur	768.8	1100.9	43
2	Halekote	778.4	1035.0	33
3	Halli Mysore	767.4	1099.5	43
182	Sakaleshpura	2246.7	3842.6	71
1	Sakaleshpur	2246.7	3305.5	47
2	Balegodu	1789.7	2302.4	29
3	Hanbalu	2377.3	4059.7	71
4	Hettur	2218.3	4857.1	119
5	Yaslur	1783.4	3494.1	96
25	CHIKKAMAGALURU	1832.9	2250.1	23
183	Chikkamagaluru	835.8	1886.2	126
1	Chikkamagaluru	835.8	1459.8	75
2	Amble	937.9	1232.6	31
3	Aldur	1642.9	2163.7	32
4	Sangmeswrpet	2338.6	2285.1	-2
5	Lakya	1283.3	1271.9	-1
6	Avathi	1340.4	2318.1	73
7	Jagar	909.4	2255.5	148
8	Vasthare	1048.2	2163.8	106
184	Kadur	638.9	953.9	49
1	Kadur	638.9	925.9	45
2	Birur	676.5	1114.1	65
3	Hirenalluru	643.0	876.0	36
4	Sakkarepatna	813.5	1010.6	24
5	Shingatagere	630.1	1010.0	60
6	Yagati	632.5	771.4	22
7	Panchanahalli	593.9	907.1	53
185	Koppa	2906.9	3793.1	30
1	Koppa	2906.9	3973.2	37
2	Hariharpur	3046.1	4337.2	42
3	Meguda	3121.6	3358.3	8
186	Mudigere	2315.3	3146.4	36
1	Mudigere	2315.3	2200.4	-5
2	Bankal	4139.1	3365.8	-19
3	Gonibidu	2268.2	3368.7	49
4	Baluru	3866.0	3287.4	-15
187	Narasimharajapura	1609.0	2576.0	60
1	Narasimharajapur	1609.0	2259.8	40
2	Balehonnur	2590.1	2965.3	14
188	Sringeri	3887.2	4966.5	28
1	Sringeri	3887.2	4370.2	12

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		Normal (mm)	Actual (mm)	%DEP
2	Kigga	4377.0	5160.0	18
189	Tarikere	914.3	1296.6	42
1	Tarikere	914.3	1281.1	40
2	Amrutapur	881.7	1177.3	34
3	Lakavalli	1256.0	1444.9	15
4	Lingadahalli	825.5	1275.3	54
190	Ajjampura	668.6	931.3	39
1	Ajjampura	668.6	969.0	45
2	Chowlahiriyur	607.1	820.9	35
3	Shivani	575.4	947.3	65
4	Amrutapura	698.2	1127.6	62
5	Hirenalluru	644.9	932.2	45
191	Kalasa	3491.3	4057.0	16
1	Kalasa	3491.3	4057.0	16
26	KODAGU	2729.4	3052.2	12
192	Madikeri	3265.2	4029.4	23
1	Madikeri	3265.2	3878.0	19
2	Bhagamandala	5783.9	4481.0	-23
3	Napoklu	2832.8	3432.1	21
4	Sampaje	4417.5	4349.4	-2
193	Somwarpet	2098.1	2728.8	30
1	Somwarpet	2098.1	2429.9	16
2	Kodlipet	1613.1	2098.3	30
3	Sanivarsante	1862.9	2017.2	8
4	Santhahalli	2294.3	3583.6	56
194	Virajpet	2467.6	2690.3	9
1	Virajpet	2467.6	3146.4	28
2	Ammati	1992.5	2423.2	22
195	Kushalanagara	978.5	2017.0	106
1	Kushalnagar	978.5	1952.9	100
2	Suntikoppa	1589.1	2852.8	80
196	Ponnampete	2267.2	2464.9	9
1	Ponnampet	2267.2	2055.2	-9
2	Blale	1798.5	2005.2	11
3	Hudakere	2402.7	3235.6	35
4	Srimangala	2753.2	2541.3	-8
27	DAKSHINA KANNADA	4006.4	4665.9	16
197	Beltangadi	4426.4	5133.5	16
1	Belthangady	4426.4	5007.0	13
2	Kokkada	4261.4	5088.9	19
3	Venur	4117.3	5465.9	33

Sl.No	District/Taluk/Hobli	Annual Rainfall 2024 (1 st January to 31 st December)		
		Normal (mm)	Actual (mm)	%DEP
198	Bantwal	3856.4	4255.8	10
1	Bantwal	3856.4	4550.2	18
2	Pane Mangalore	3884.9	4370.3	12
3	Vittal	3984.1	3934.1	-1
199	Mangaluru	3608.9	4025.2	12
1	Mangaluru_A	3630.7	3668.8	1
2	Gurpur	3801.3	4019.7	6
3	Suratkal	3834.2	4212.0	10
200	Puttur	4058.3	4262.1	5
1	Puttur	4058.3	4224.3	4
2	Uppinangadi	3939.3	4378.4	11
201	Sulya	3592.0	4668.5	30
1	Sullia	3592.0	4458.5	24
2	Panaje	4014.6	5139.6	28
202	Mudabidri	4009.5	5043.6	26
1	Mudbidri	4009.5	5043.9	26
203	Kadaba	4135.2	4759.3	15
1	Kadaba	4135.2	4858.0	17
2	Panaje	4214.9	4753.5	13
3	Uppinangadi	3494.9	4568.3	31
204	Mulki	3788.0	4180.0	10
1	Mulki	3788.0	4180.0	10
205	Ullala	3609.2	4038.4	12
1	Mangaluru_B	3608.9	4038.4	12
28	UDUPI	4534.6	5261.4	16
206	Karkala	4776.6	5273.0	10
1	Karkala	4776.6	5135.0	8
2	Ajekar	4755.1	5529.5	16
207	Kundapur	3786.0	5580.7	47
1	Kundapur	3786.0	4949.8	31
2	Vandse	4259.6	5915.1	39
208	Udupi	3861.5	4524.8	17
1	Udupi	3861.5	4544.7	18
2	Brahmavara	4333.0	4484.2	3
209	Bynduru	4428.1	5287.9	19
1	Bainduru	4428.1	5287.9	19
210	Bramhavara	4042.9	4797.1	19
1	Brahmavara	4042.9	4924.7	22
2	Kota	3524.7	4665.0	32
211	Kapu	3757.0	4388.6	17
1	Kapu	3757.0	4388.7	17

Sl.No	District/Taluk/Hobli	Annual Rainfall 2024 (1 st January to 31 st December)		
		Normal (mm)	Actual (mm)	%DEP
212	Hebri	5801.8	5920.5	2
1	Ajekar	5801.8	5847.5	1
2	Kundapur	5072.7	6173.1	22
29	UTTARA KANNADA	2936.3	3914.2	33
213	Ankola	3532.2	5292.6	50
1	Ankola	3532.2	5435.7	54
2	Belikere	3516.8	4948.7	41
3	Basagod	3438.0	5148.4	50
4	Blale	3363.5	5424.4	61
214	Bhatkal	4322.3	5265.1	22
1	Susgadi	4322.3	5460.4	26
2	Mavalli	4071.1	5026.7	23
215	Haliyal	1339.0	1494.3	12
1	Haliyal	1339.0	1503.9	12
2	Murkvad	1061.4	1335.8	26
3	Sambrani	1259.9	1531.1	22
4	Dandeli	1370.7	1906.4	39
216	Honnavar	3727.9	5474.7	47
1	Honnavar	3727.9	5299.1	42
2	Manki	3667.6	4908.3	34
3	Mavinakurvei	3869.0	5900.6	53
217	Karwar	3233.6	5042.4	56
1	Baad	3233.6	4742.6	47
2	Ghadasaya	3611.4	5325.1	47
3	Kinnar	3447.7	4999.6	45
4	Savantvada	3329.4	4361.2	31
218	Kumta	3522.6	5009.0	42
1	Kumta	3522.6	5503.5	56
2	Gokarna	3243.4	5080.6	57
3	Kujahalli	3977.6	5276.8	33
4	Mirjan	3525.7	4693.6	33
219	Mundgod	1437.6	1762.5	23
1	Mundgod	1437.6	1761.6	23
2	Pala	1243.0	1763.9	42
220	Siddapur	3016.0	4775.5	58
1	Umbalamani	4455.6	4423.1	-1
2	Siddapura	3016.0	3849.5	28
3	Kodkani	3370.5	5714.1	70
221	Sirsi	2359.9	3844.0	63
1	Sirsi	2359.9	3111.3	32
2	Banavasi	1510.9	2332.3	54

Sl.No	District/Taluk/Hobli	Annual Rainfall 2024 (1 st January to 31 st December)		
		Normal (mm)	Actual (mm)	%DEP
3	Hulekal	2174.3	4275.3	97
4	Sampakanda	4140.6	5035.6	22
222	Supa	2578.3	3602.7	40
1	Supa	2578.3	3003.2	16
2	Kasalrock	4657.9	3876.5	-17
3	Kumbarawada	3072.6	3850.1	25
223	Yellapur	2667.9	3061.4	15
1	Yellapur	2667.9	3650.1	37
2	Manchikeri	1989.4	2552.1	28
224	Dandelli	1539.5	2123.4	38
1	Dhandeli	1539.5	2120.8	38
30	YADGIR	718.8	736.0	2
225	Shahapur	848.4	702.3	-17
1	Shahpur	848.4	687.7	-19
2	Doranahlli	815.7	708.5	-13
3	Gogi	775.2	713.2	-8
4	Hayyalbuzurg	735.7	709.9	-4
226	Shorapur	722.1	694.4	-4
1	Shorapur	722.1	781.3	8
2	Kakkeri	575.8	671.0	17
3	Kembhavi	583.6	630.4	8
227	Yadgir	908.4	821.1	-10
1	Yadgir	908.4	902.1	-1
2	Balichakra	773.2	818.4	6
3	Hattikuni	854.5	814.1	-5
4	Saidapur	753.6	752.4	0
228	Gurumithakala	773.2	912.3	18
1	Gurmitakal	773.2	999.3	29
2	Konakal	776.1	872.4	12
3	Balichakra	762.7	832.2	9
229	Vadagera	616.9	655.4	6
1	Wadagera	616.9	611.4	-1
2	Doranahlli	715.5	755.9	6
3	Hayyala Buzurg	722.5	667.7	-8
230	Hunisigi	500.5	642.7	28
1	Hunasagi	500.5	646.4	29
2	Kodekal	621.7	628.9	1
3	Kakkeri	571.4	714.6	25
31	VIJAYANAGAR	642.5	763.7	19
231	Hosapete	703.8	939.7	34
1	Hospet	703.8	881.3	25

Sl.No	District/Taluk/Hobli	Annual Rainfall 2024 (1 st January to 31 st December)		
		Normal (mm)	Actual (mm)	%DEP
2	Kamalapura	658.3	1002.7	52
3	Mariyammanahalli	673.1	904.9	34
232	Hadagali	641.0	557.0	-13
1	Hadagali	641.0	487.2	-24
2	Hirehadagalli	652.1	724.5	11
3	Ittigi	666.5	490.6	-26
233	Hagaribommanahalli	634.6	747.8	18
1	Hagaribommanahalli	634.6	757.3	19
2	Hampa Sagara	616.9	810.0	31
3	Tambarahalli	627.6	823.8	31
4	Kogali	616.9	579.5	-6
234	Harappanahalli	755.1	713.5	-6
1	Harapanahalli	755.1	525.3	-30
2	Arasikere	656.3	805.2	23
3	Chigateri	761.2	747.2	-2
4	Telagi	665.5	770.3	16
235	Kotturu	533.0	959.2	80
1	Kotturu	533.0	989.4	86
2	Kogali	641.4	821.4	28
3	Hoshalli	560.4	983.4	75
236	Kudligi	589.8	832.4	41
1	Kudligi	589.8	903.2	53
2	Gudekote	521.4	724.3	39
3	Hosahalli	504.0	926.1	84
I	SIK	714.1	874.5	22
II	NIK	701.6	782.9	12
III	MALNAD	1949.6	2341.9	20
IV	COASTAL	3518.3	4366.6	24
V	State	1153.4	1374.7	19

LE : Large Excess (=>60%) E: Excess (20 to +59%) N: Normal (-19 to +19%) D: Deficit (-20 to -59%) D: Large Deficit (-60 to -99%) NR : No Rainfall (-100 %)).

Figure 1.7: District wise Rainfall (mm) pattern during 2024.

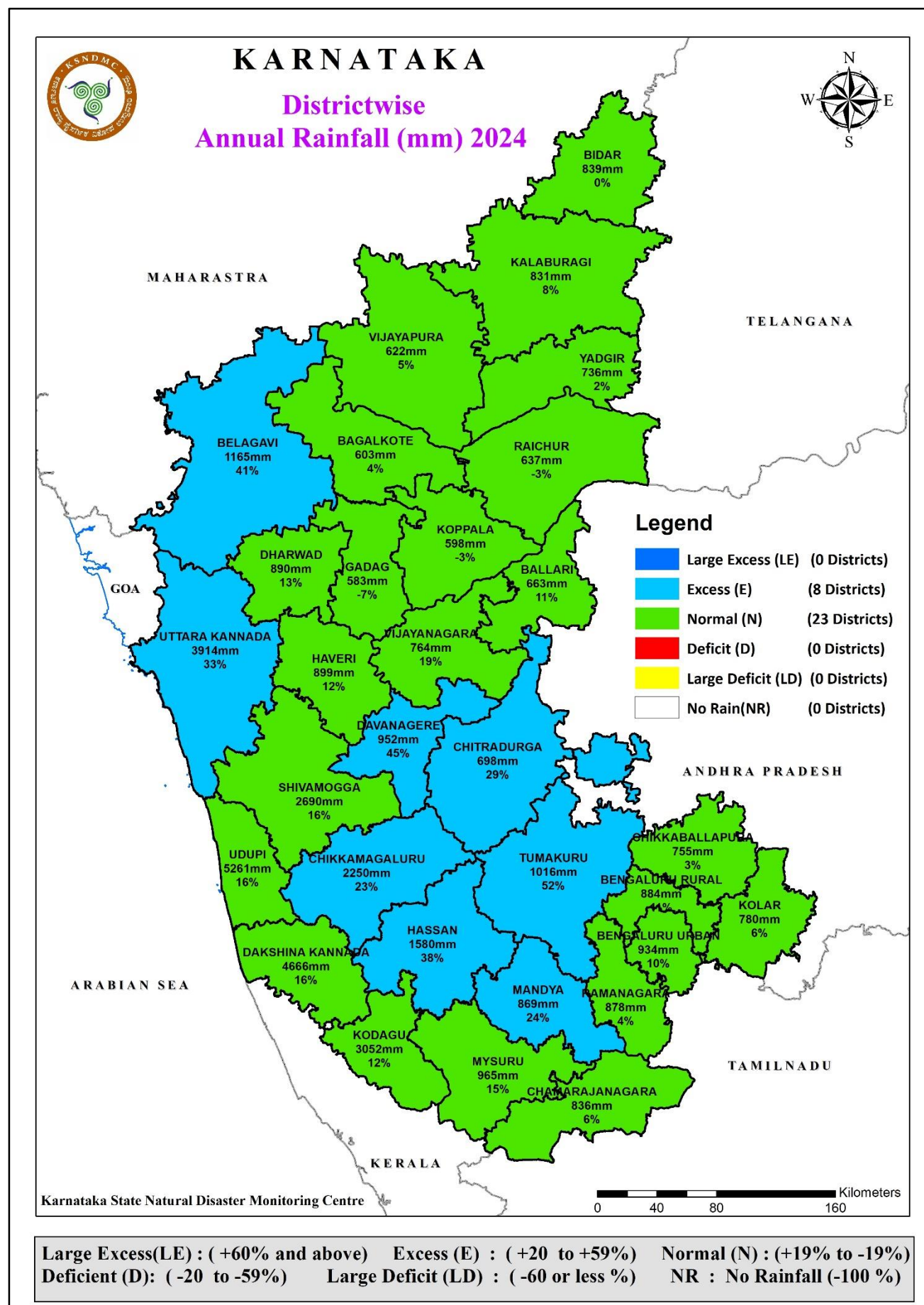
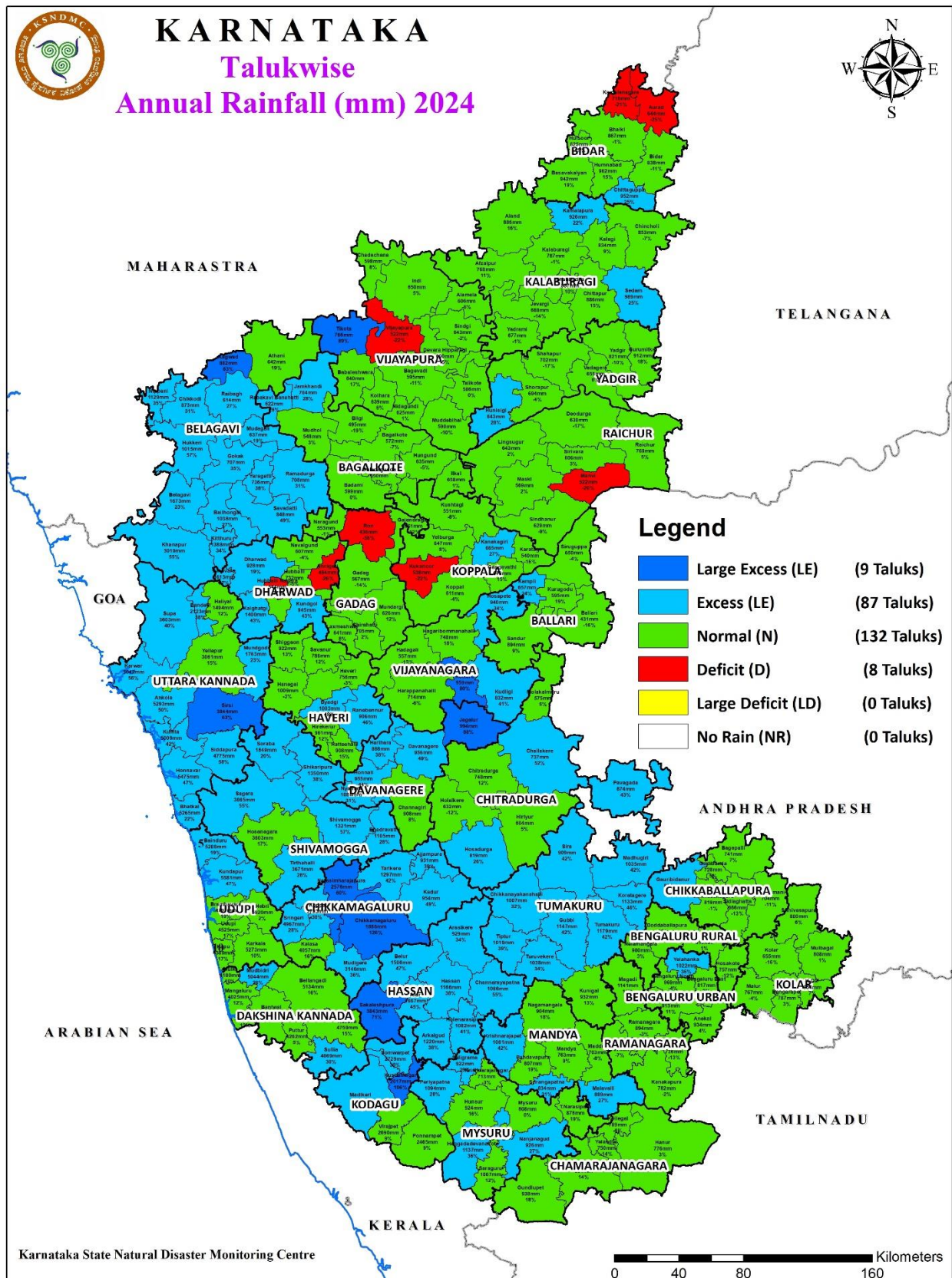


Figure 1.8: Taluk wise Rainfall (mm) pattern during 2024.



Large Excess(LE) : (+60% and above) Excess (E) : (+20 to +59%) Normal (N) : (+19% to -19%)
Deficient (D): (-20 to -59%) Large Deficit (LD) : (-60 or less %) NR : No Rainfall (-100 %)

Figure 1.9: Hobli wise Rainfall (mm) pattern during 2024

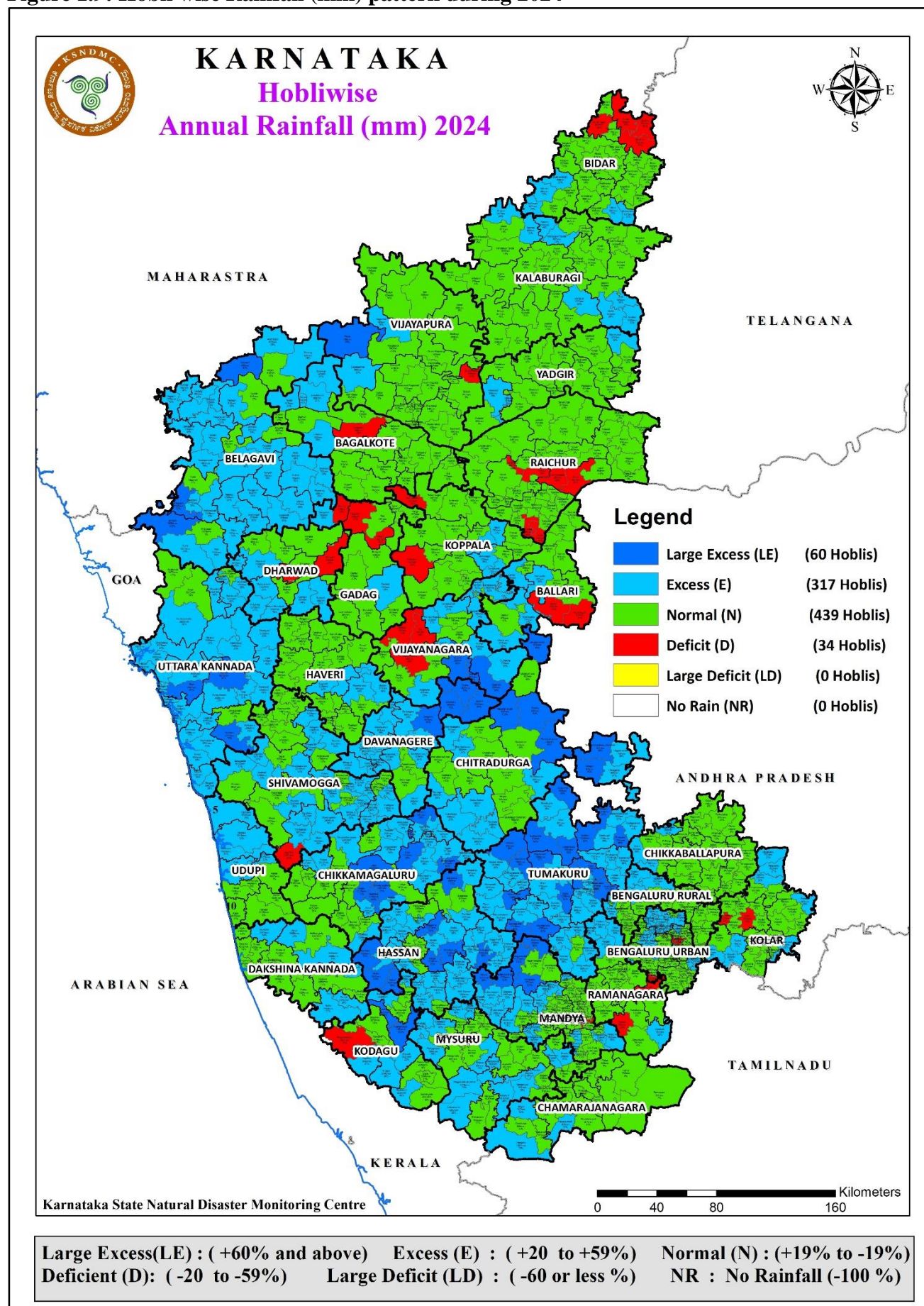


Table: 1.2: Classification of Taluk wise Rainfall pattern (1st January to 31st December)

			Large Excess		Excess		Normal		Total		Deficit		Large Deficit		No Rain		Total	
Sl.No.	District	Total Taluks \ Hoblis	Taluks	Hoblis	Taluks	Hoblis	Taluks	Hoblis	Taluks	Hoblis	Taluks	Hoblis	Taluks	Hoblis	Taluks	Hoblis	Taluks	Hoblis
1	BENGALURU URBAN	5/49	0	0	1	16	4	30	5	46	0	3	0	0	0	0	0	3
2	BENGALURU RURAL	4/20	0	0	0	4	4	16	4	20	0	0	0	0	0	0	0	0
3	RAMANAGARA	5/20	0	0	0	5	5	13	5	18	0	2	0	0	0	0	0	2
4	KOLAR	6/28	0	0	0	8	6	18	6	26	0	2	0	0	0	0	0	2
5	CHIKKABALLAPURA	6/26	0	0	1	3	5	23	6	26	0	0	0	0	0	0	0	0
6	TUMAKURU	10/53	0	19	9	33	1	1	10	53	0	0	0	0	0	0	0	0
7	CHITRADURGA	6/22	0	4	2	8	4	10	6	22	0	0	0	0	0	0	0	0
8	DAVANAGERE	6/20	1	4	4	13	1	3	6	20	0	0	0	0	0	0	0	0
9	CHAMARAJANA GARA	5/16	0	0	0	3	5	13	5	16	0	0	0	0	0	0	0	0
10	MYSURU	9/33	0	0	4	14	5	19	9	33	0	0	0	0	0	0	0	0
11	MANDYA	7/49	0	5	3	17	4	26	7	48	0	1	0	0	0	0	0	1
	South Interior Karnataka	69/336	1	32	24	124	44	172	69	328	0	8	0	0	0	0	0	8
12	BALLARI	5/15	0	0	1	4	4	9	5	13	0	2	0	0	0	0	0	2
13	KOPPALA	7/20	0	0	1	4	5	14	6	18	1	2	0	0	0	0	1	2
14	RAICHUR	7/40	0	0	0	0	6	34	6	34	1	6	0	0	0	0	1	6
15	KALABURAGI	11/36	0	0	2	8	9	28	11	36	0	0	0	0	0	0	0	0
16	BIDAR	8/30	0	0	1	5	5	21	6	26	2	4	0	0	0	0	2	4
17	BELAGAVI	15/38	1	3	13	29	1	6	15	38	0	0	0	0	0	0	0	0
18	BAGALKOTE	9/22	0	0	2	5	7	16	9	21	0	1	0	0	0	0	0	1
19	VIJAYAPURA	13/28	1	1	0	2	11	24	12	27	1	1	0	0	0	0	1	1
20	GADAG	7/13	0	0	0	2	6	8	6	10	1	3	0	0	0	0	1	3
21	HAVERI	8/20	0	0	2	4	6	16	8	20	0	0	0	0	0	0	0	0
22	DHARWAD	8/14	0	0	4	7	2	5	6	12	2	2	0	0	0	0	2	2
30	YADGIR	6/20	0	0	1	3	5	17	6	20	0	0	0	0	0	0	0	0
31	VIJAYANAGAR	6/20	1	3	2	9	3	5	6	17	0	3	0	0	0	0	0	3
	North Interior Karnataka	110/316	3	7	29	82	70	203	102	292	8	24	0	0	0	0	8	24
23	SHIVAMOGGA	7/41	0	0	6	24	1	16	7	40	0	1	0	0	0	0	0	1
24	HASSAN	8/38	1	8	7	23	0	7	8	38	0	0	0	0	0	0	0	0
25	CHIKKAMAGALURU	9/36	2	8	6	17	1	11	9	36	0	0	0	0	0	0	0	0
26	KODAGU	5/16	1	2	2	6	2	7	5	15	0	1	0	0	0	0	0	1
	Mahnad	29/131	4	18	21	70	4	41	29	129	0	2	0	0	0	0	0	2
27	DAKSHINA KANNADA	7/19	0	0	2	6	7	13	9	19	0	0	0	0	0	0	0	0
28	UDUPI	7/12	0	0	2	6	5	6	7	12	0	0	0	0	0	0	0	0
29	UTTARA KANNADA	12/36	1	3	9	29	2	4	12	36	0	0	0	0	0	0	0	0
	Coastal	28/67	1	3	13	41	14	23	28	67	0	0	0	0	0	0	0	0
	STATE	236/850	9	60	87	317	132	439	228	816	8	34	0	0	0	0	8	34

1.4 SEASONAL RAINFALL DURING 2024

1.4.1. PRE-MONSOON SEASON RAINFALL:
Pre-Monsoon covers five months from January to May of which January and February pertain to winter season while the later three months (March to May) represent hot weather period. The amount of Normal Pre-Monsoon rainfall for the State is **120 mm** which constitutes only **10%** of the annual rainfall. The Normal Pre-Monsoon rainfall varies from **63 mm** in **Vijayapura** district to **253 mm** in **Kodagu** district. The Normal rainfall for the State during **January to March** is only **13 mm**, whereas the same during **April and May** are **32 mm** and **74 mm** respectively.

1.2 Rainfall pattern during Pre-Monsoon-2024

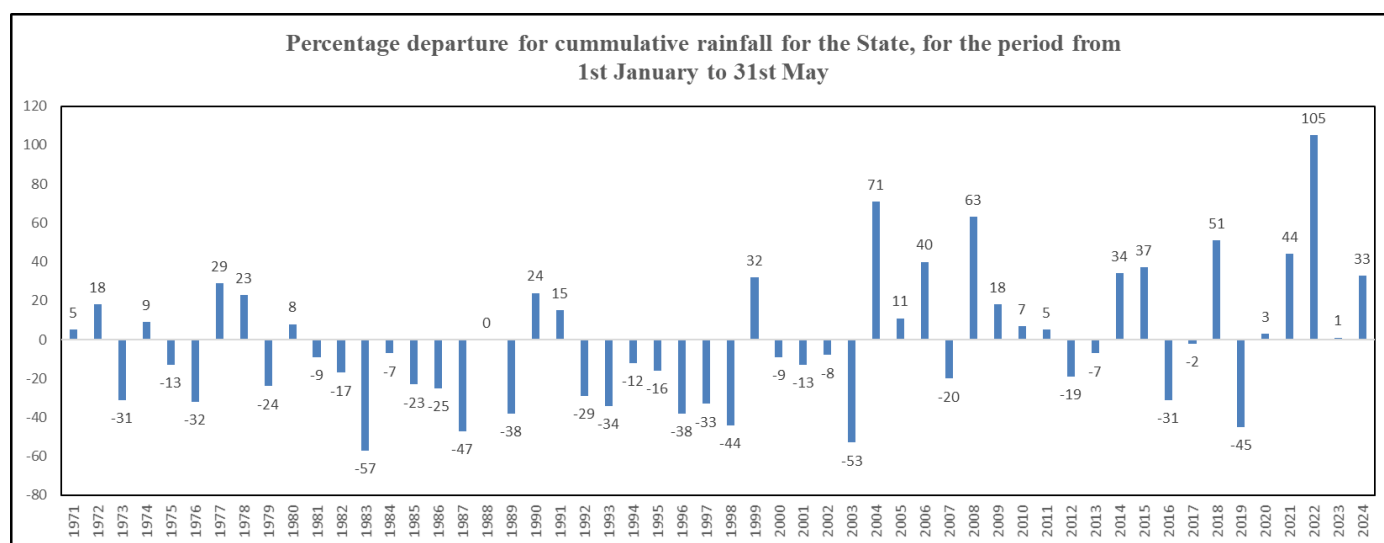
During Pre-Monsoon season 2024 the state as a whole recorded an actual amount of **159.5 mm** of rainfall as against the Normal rainfall of **119.6 mm** with percentage departure from Normal being **(+)33%**. Thus the State as whole is classified under **Excess** Category.

The comparison of Zone wise rainfall pattern during the period from **Pre- Monsoon 2024** with the rainfall of corresponding week in the last **4** years is as follows

Region/State	Normal (mm)	2020		2021		2022		2023		2024	
		Actual (mm)	Dep%	Actual (mm)	Dep%	Actual (mm)	Dep%	Actual (mm)	Dep%	Actual (mm)	Dep%
1.SIK	143.4	167	21	136.0	-1	282	105	163	18	173.4	21
2.NIK	83.3	80	2	105.1	33	152	93	95	21	102.5	23
3.MALNAD	167.6	182	11	250.3	54	354	117	128	-21	266.9	59
4.COASTAL	158.2	146	-6	426.1	173	340	118	62	-60	238.0	50
State	119.6	119	3	166	44	237	105	116	1	159.5	33

The percentage departure of rainfall from Normal for the state during Pre-Monsoon which is **good** when compared to the corresponding period of **last** year.

The percentage departure of rainfall from Normal for the state as a whole, during the period **Pre-Monsoon** since 1971, in given figure below:



The figure shows that the percentage departure of rainfall from **Normal** for the **State** which is **more** in the corresponding period of **last** year.

District wise Rainfall pattern during Pre-Monsoon 2024 is given in the following :
(Total 31 Districts in the State):

SI. No.	District	Normal	Actual	% Dep
1	Chikkamagaluru	164.4	289.6	76
2	Hassan	168.4	293.3	74
3	Dakshina Kannada	242.5	386.9	60
4	Shivamogga	129	201	56
5	Raichur	68.9	105.7	53
6	Udupi	200.8	302.3	51
7	Tumakuru	125.1	187.9	50
8	Chitradurga	103.3	150.3	45
9	Koppala	81.8	118.6	45
10	Uttara Kannada	103	144.9	41
11	Davanagere	105	145.3	38
12	Vijayapura	62.8	85.2	36
13	Kalaburagi	67.2	90.5	35
14	Yadgir	67.7	88.4	31
15	Belagavi	94.8	121.7	28
16	Mysuru	205.4	263.2	28
17	Kodagu	252.9	319.5	26
18	Mandya	166.3	209.8	26
19	Bagalkote	79.8	99	24
20	Vijayanagar	98.6	117.8	19
21	Haveri	121.5	133.6	10
22	Bengaluru Rural	141.5	151.5	7
23	Bidar	71.2	71.9	1
24	Chamarajanagara	203.5	204.4	0
25	Dharwad	125.4	125.9	0
26	Bengaluru Urban	156.2	151.4	-3
27	Gadag	105.5	102	-3
28	Ballari	74.5	72	-3
29	Kolar	117.3	113.1	-4
30	Chikkaballapura	108.4	99	-9
31	Ramanagara	177.7	144.3	-19
	STATE	120	159.5	35

The district wise rainfall pattern indicates: **(Total 31 Districts in the State):**

Rainfall category	No. of Districts
Large Excess ($\geq 60\%$)	2 Districts
Excess (+20 to +59%)	18 Districts
Normal (-19 to +19%)	11 Districts
Deficit (-20 to -59%)	Nil
Large Deficit (-60 to -99%)	Nil
No rain ($\leq -100\%$)	Nil

During **Pre-Monsoon 2024**, the above data shows that, the rainfall was **Large Excess** in 2 Districts, **Excess** in 18 Districts and **Normal** in 11 Districts. During the corresponding period of the preceding year (2023), the rainfall was **Large Excess** in 4 Districts, **Excess** in 6 Districts, **Normal** in 8 Districts, **Deficit** in 11 Districts and **Large Deficit** in 2 Districts.

41.1.2 Taluk wise Rainfall pattern during Pre-Monsoon 2024 is given in the following table. (**Total 236 Taluks in the State**):

Rainfall category	No. of Taluks
Large Excess ($\geq 60\%$)	48 Taluks
Excess (+20 to +59%)	83 Taluks
Normal (-19 to +19%)	85 Taluks
Deficit (-20 to -59%)	19 Taluks
Large Deficit (-60 to -99%)	1 Taluk
No rain ($\leq -100\%$)	Nil

During **Pre-Monsoon 2024**, the above data shows that, the rainfall was **Large Excess** in 48 Taluks, **Excess** in 83 Taluks, **Normal** in 85 Taluks, **Deficit** in 19 Taluks and **Large Deficit** in 1 Taluk. During the preceding year (2023), the rainfall was **Large Excess** in 25 Taluks, **Excess** in 34 Taluks, **Normal** in 80 Taluks, **Deficit** in 70 Taluks and **Large Deficit** in 18 Taluks.

The Hobli-wise rainfall pattern during **Pre-Monsoon 2024** is given in the following table (**Total 850 Hoblis in the State**):

Rainfall category	No. of Hoblis
Large Excess ($\geq 60\%$)	212 Hoblis
Excess (+20 to +59%)	256 Hoblis
Normal (-19 to +19%)	278 Hoblis
Deficit (-20 to -59%)	100 Hoblis
Large Deficit (-60 to -99%)	4 Hoblis
No rain ($\leq -100\%$)	Nil

During **Pre-Monsoon 2024**, the above data shows that, the rainfall was **Large Excess** in 212 Hoblis, **Excess** in 256 Hoblis, **Normal** in 278 Hoblis, **Deficit** in 100 Hoblis and **Large Deficit** in 4 Hoblis. During the preceding year (2023), the rainfall was **Large Excess** in 138 Hoblis, **Excess** in 188 Hoblis, **Normal** in 261 Hoblis, **Deficit** in 200 Hoblis and **Large Deficit** in 63 Hoblis.

Figure 1.10: District wise Rainfall (mm) pattern during the Pre-Monsoon Season 2024

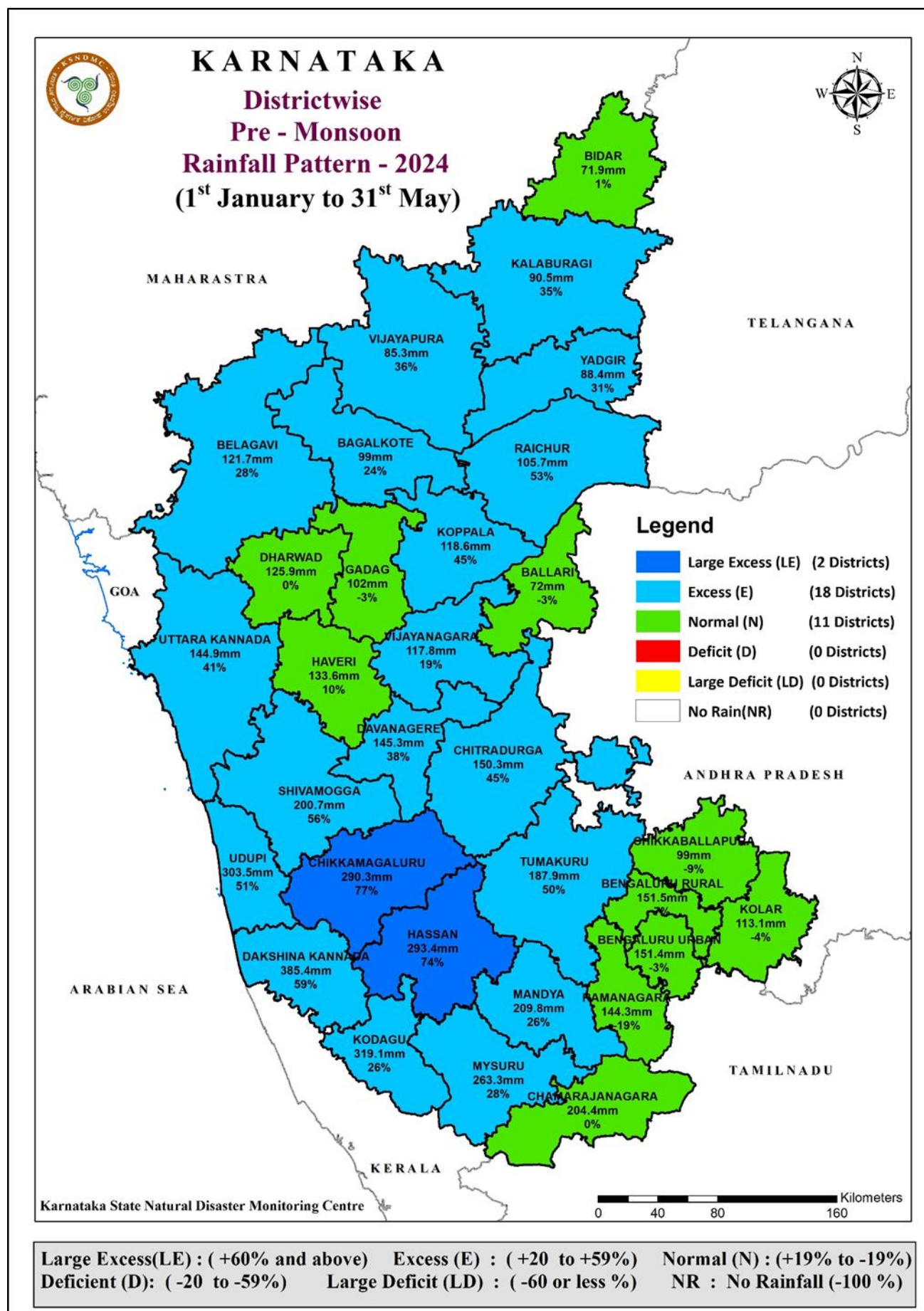


Figure 1.11: Taluk wise Rainfall (mm) pattern during the Pre-Monsoon Season 2024

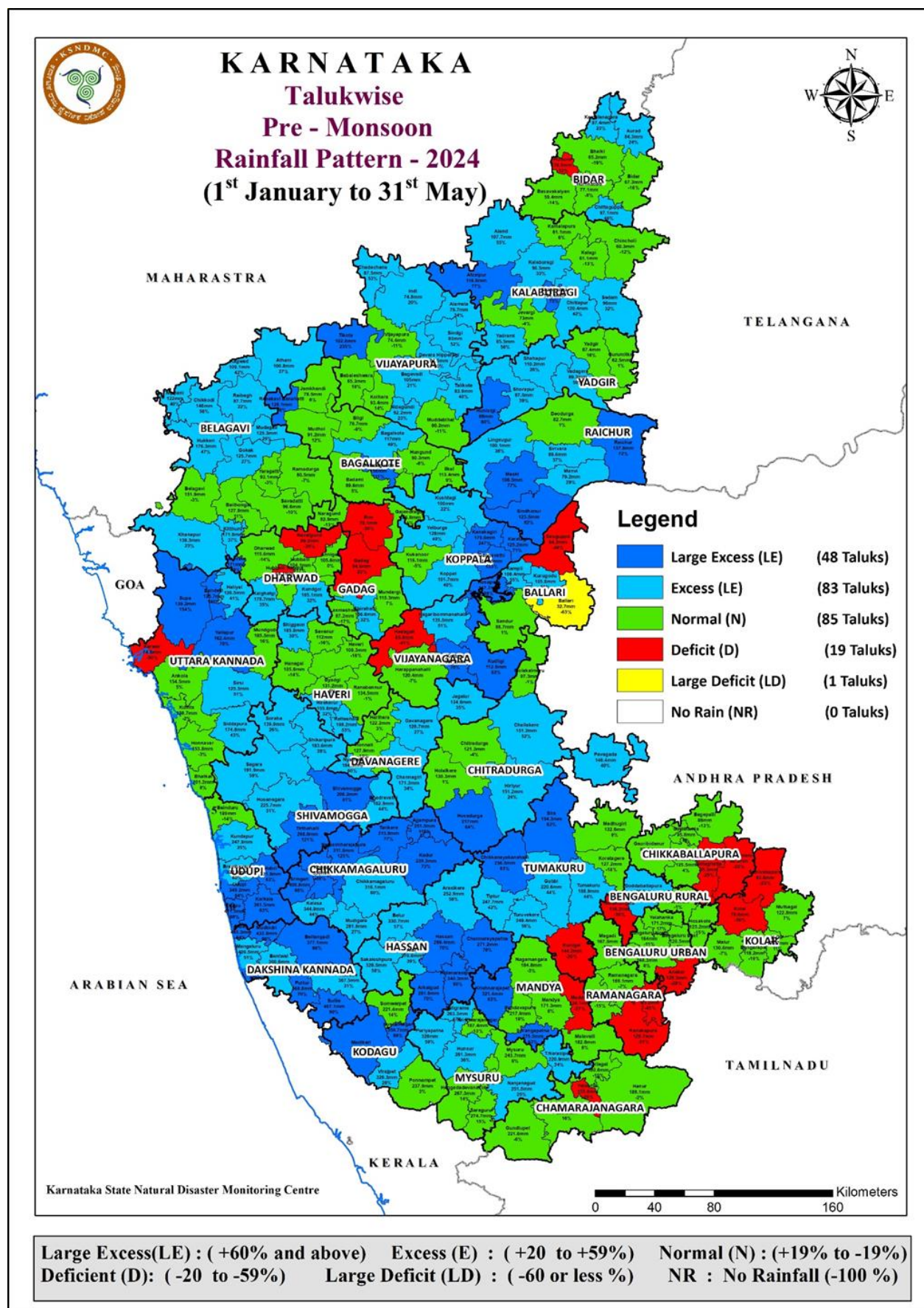
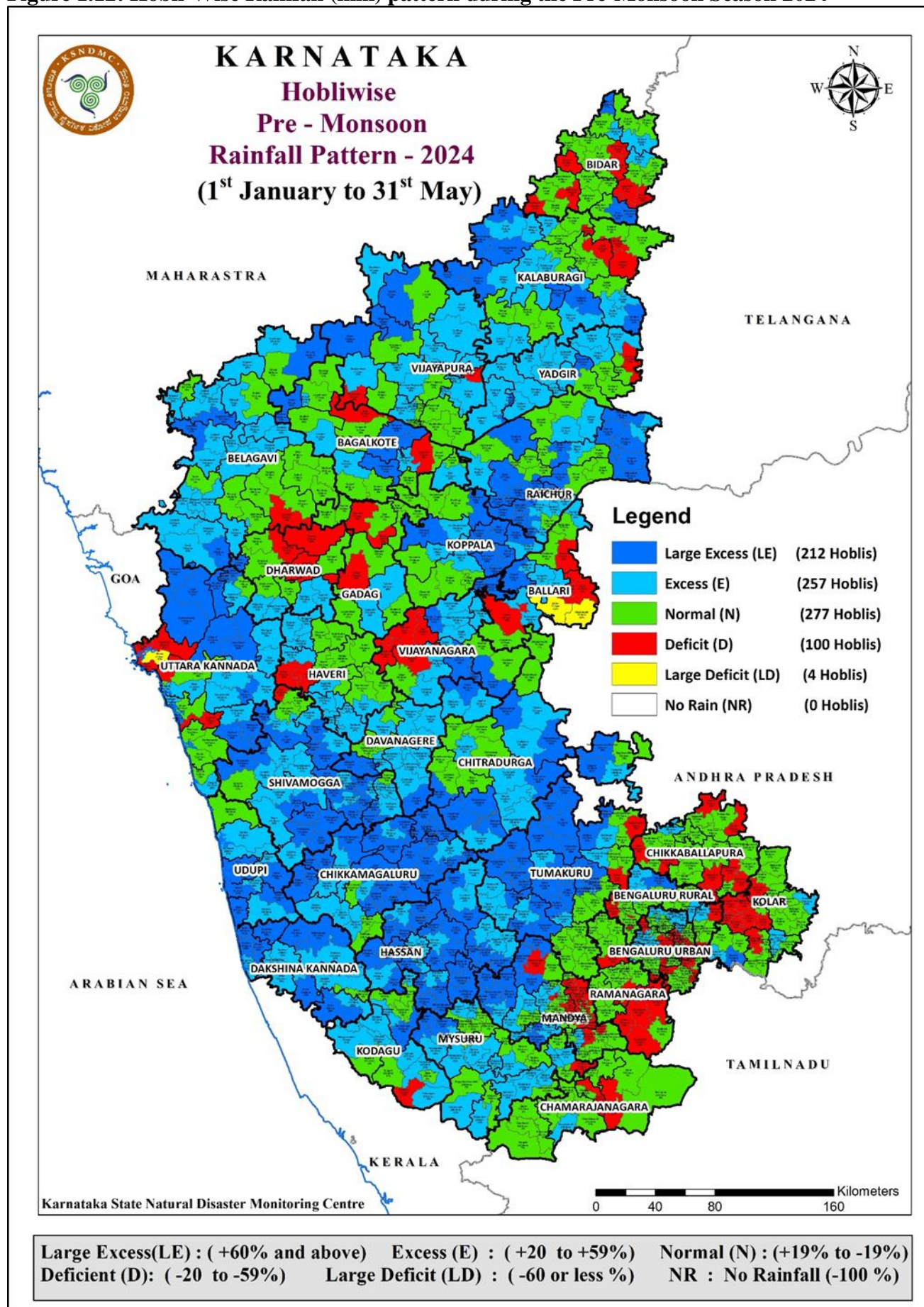


Figure 1.12: Hobli-Wise Rainfall (mm) pattern during the Pre-Monsoon Season 2024



1.4.2. SOUTH WEST (SW) MONSOON SEASON 2024 RAINFALL:

The **South-West (SW) Monsoon (June to September)** contributes **74%** of the Normal Annual rainfall of the State. The onset of **SW-Monsoon** over the State normally takes place by the first week of June. The Normal SW-Monsoon season rainfall varies from as **low as 282 mm** in **Chitradurga** District to as high as **4,022 mm** in **Udupi** District. The Kharif agricultural production in the State heavily depends on the timeliness, quantum and distribution of the SW-Monsoon season rainfall.

Rainfall Condition during the South West Monsoon 2024:

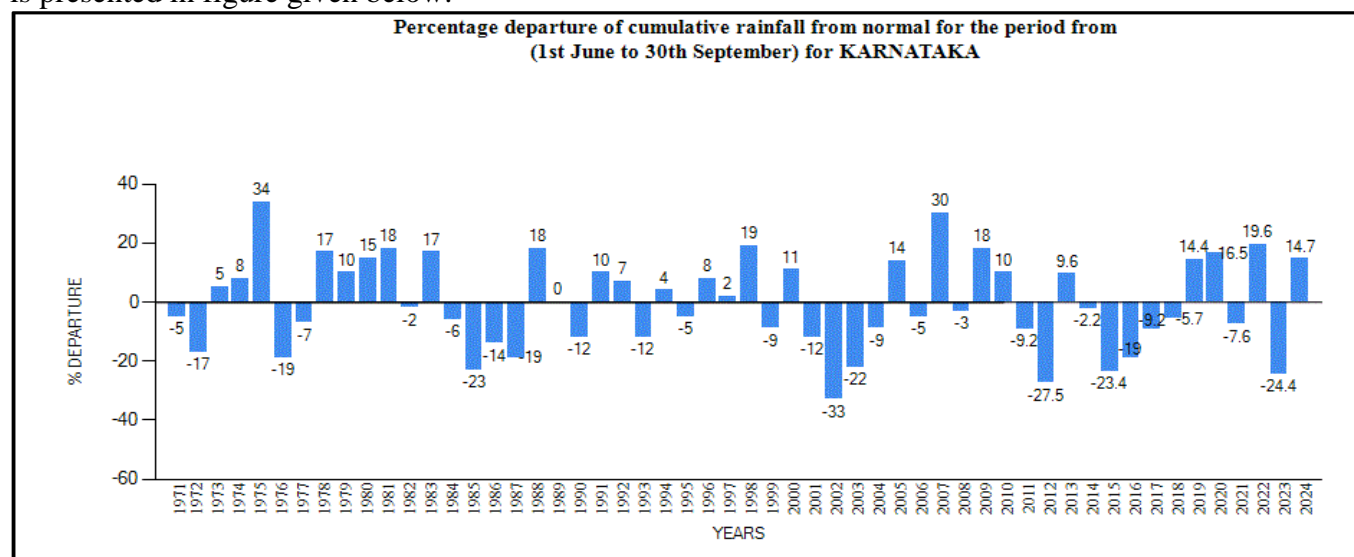
During **South-West season 2024** the State as a whole recorded an actual amount of **978 mm** of rainfall as against the Normal rainfall of **852 mm** with percentage departure from Normal being (+) **15%**. Thus the State as whole is classified under **Normal** Category.

The comparison of Zone-wise rainfall pattern during the period from 1st June to 30th September 2024 is compared to corresponding period of past 4 years and is given below:

Region/State	Normal (mm)	2020		2021		2022		2023		2024	
		Actual (mm)	% Dep	Actual (mm)	% Dep	Actual (mm)	% Dep	Actual (mm)	% Dep	Actual (mm)	% Dep
1.SIK	368.8	511.6	39	384.5	4	660	79	271	-26	408	11
2.NIK	478.6	650.1	36	496.1	4	602.2	26	386	-19	534	12
3.MALNAD	1556.3	1447.7	-7	1283.4	-18	1725	11	956	-39	1755	13
4.COASTAL	3100.7	3457.8	12	2692	-13	3107	0	2514	-19	3736	20
State	851.6	992.6	17	787.2	-8	1019	20	642	-25	978	15

The percentage departure of rainfall from normal during **1st June to 30th September 2024** is (+) **15%** which is **good** when compared to the corresponding period of **last** year.

The percentage departure of rainfall from Normal during South-West Monsoon for the state as a whole is presented in figure given below:



The figure shows that the percentage departure of cumulative rainfall from the Normal for the State, during the **1st June to 30th September 2024** is (+) **15%**, which is **more** than the cumulative rainfall for the corresponding period of **last** year.

District wise Rainfall pattern during South-West Monsoon 2024

SL. No.	District	Normal	Actual	Percentage Departure
1	Belagavi	599	830	39
2	Tumakuru	358	491	37
3	Hassan	754	997	32
4	Uttara Kannada	2647	3466	31
5	Davanagere	393	506	29
6	Ballari	366	424	16
7	Chitradurga	282	323	14
8	Vijayapura	396	450	14
9	Mysuru	419	475	14
10	Chikkamagaluru	1447	1633	13
11	Udupi	4022	4486	12
12	Mandya	316	351	11
13	Dakshina Kannada	3388	3756	11
14	Kodagu	2188	2400	10
15	Kalaburagi	576	631	10
16	Shivamogga	1991	2157	8
17	Chamarajanagara	320	345	8
18	Yadgir	517	556	7
19	Vijayanagar	389	417	7
20	Bagalkote	362	385	6
21	Bidar	650	679	4
22	Raichur	440	448	2
23	Dharwad	514	522	2
24	Koppala	383	361	-6
25	Haveri	512	477	-7
26	Bengaluru Rural	444	412	-7
27	Chikkaballapura	416	381	-8
28	Gadag	372	339	-9
29	Kolar	399	356	-11
30	Bengaluru Urban	471	418	-11
31	Ramanagara	436	375	-14
	State	851.6	978	15

District wise rainfall pattern indicates

Rainfall category	Number of District(s)
Large Excess ($\geq 60\%$)	Nil
Excess (+20 to +59%)	5 Districts
Normal (-19 to +19%)	26 Districts
Deficit (-20 to -59%)	Nil
Large Deficit (-60 to -99%)	Nil
No rain ($\leq -100\%$)	Nil

During the corresponding period of the preceding year (2023), the rainfall was **Normal** in **12** Districts and **Deficit** in **11** Districts.

Taluk wise cumulative rainfall pattern during 1st June to 30th September 2024 is given in the following table. **(Total 236 Taluks in the State):**

Rainfall category	Number of Taluk(s)
Large Excess ($\geq 60\%$)	11 Taluks
Excess (+20 to +59%)	70 Taluks
Normal (-19 to +19%)	134 Taluks
Deficit (-20 to -59%)	21 Taluks
Large Deficit (-60 to -99%)	Nil
No rain ($\leq -100\%$)	Nil

During the preceding year (2023), the rainfall was **Excess** in **4** Taluks, **Normal** in **86** Taluks, **Deficit** in **144** Taluks and **Large Deficit** in **2** Taluks.

The Hobli-wise rainfall pattern during **1st June to 30th September 2024** is given in the following table **(Total 850 Hoblis in the State):**

Rainfall category	Number of Hobli(s)
Large Excess ($\geq 60\%$)	55 Hoblis
Excess (+20 to +59%)	231 Hoblis
Normal (-19 to +19%)	470 Hoblis
Deficit (-20 to -59%)	94 Hoblis
Large Deficit (-60 to -99%)	Nil
No rain ($\leq -100\%$)	Nil

During the preceding year (2023), the rainfall **Large Excess** in **1** Hobli, **Excess** in **21** Hoblis, **Normal** in **290** Hoblis, **Deficit** in **521** Hoblis and **Large Deficit** in **17** Hoblis.

KARNATAKA

Districtwise Cumulative Rainfall(mm) Southwest -Monsoon-2024 (1st June to 30th September)

Legend

- Large Excess (LE) (0 Districts)
- Excess (E) (5 Districts)
- Normal (N) (26 Districts)
- Deficit (D) (0 Districts)
- Large Deficit (LD) (0 Districts)
- No Rain (NR) (0 Districts)

District	Cumulative Rainfall (mm)	Percentage
BIDAR	679mm	4%
KALABURAGI	631mm	10%
VIJAYAPURA	450mm	14%
YADGIR	556mm	7%
BELAGAVI	830mm	39%
BAGALKOTE	385mm	6%
RAICHUR	448mm	2%
KOPPALA	361mm	-6%
BALLARI	424mm	16%
DHARWAD	522mm	2%
GADAG	339mm	-9%
VIJAYANAGARA	417mm	7%
HAVERI	477mm	-7%
DAVANAGERE	506mm	29%
CHITRADURGA	323mm	14%
SHIVAMOGGA	2157mm	8%
UDUPI	4486mm	12%
CHIKKAMAGALURU	1633mm	13%
TUMAKURU	491mm	37%
SHIKKABALLAPURA	381mm	-8%
BENSALURU RURAL	412mm	7%
KOLAR	356mm	-11%
BENSALURU URBAN	418mm	-11%
AMANAGARA	375mm	14%
MANDYA	351mm	11%
CHAMARAJANAGARA	345mm	8%
MYSURU	475mm	14%
KODAGU	2400mm	10%
DAKSHINA KANNADA	3756mm	11%
HASSAN	997mm	32%
UTTARA KANNADA	3466mm	31%

Karnataka State Natural Disaster Monitoring Centre

0 40 80 160 Kilometers

Large Excess(LE) : (+60% and above) Excess (E) : (+20 to +59%) Normal (N) : (+19% to -19%)
Deficient (D): (-20 to -59%) Large Deficit (LD) : (-60 or less %) NR : No Rainfall (-100 %)

Figure 1.15: Taluk wise Rainfall (mm) pattern during the Southwest Monsoon Season 2024:

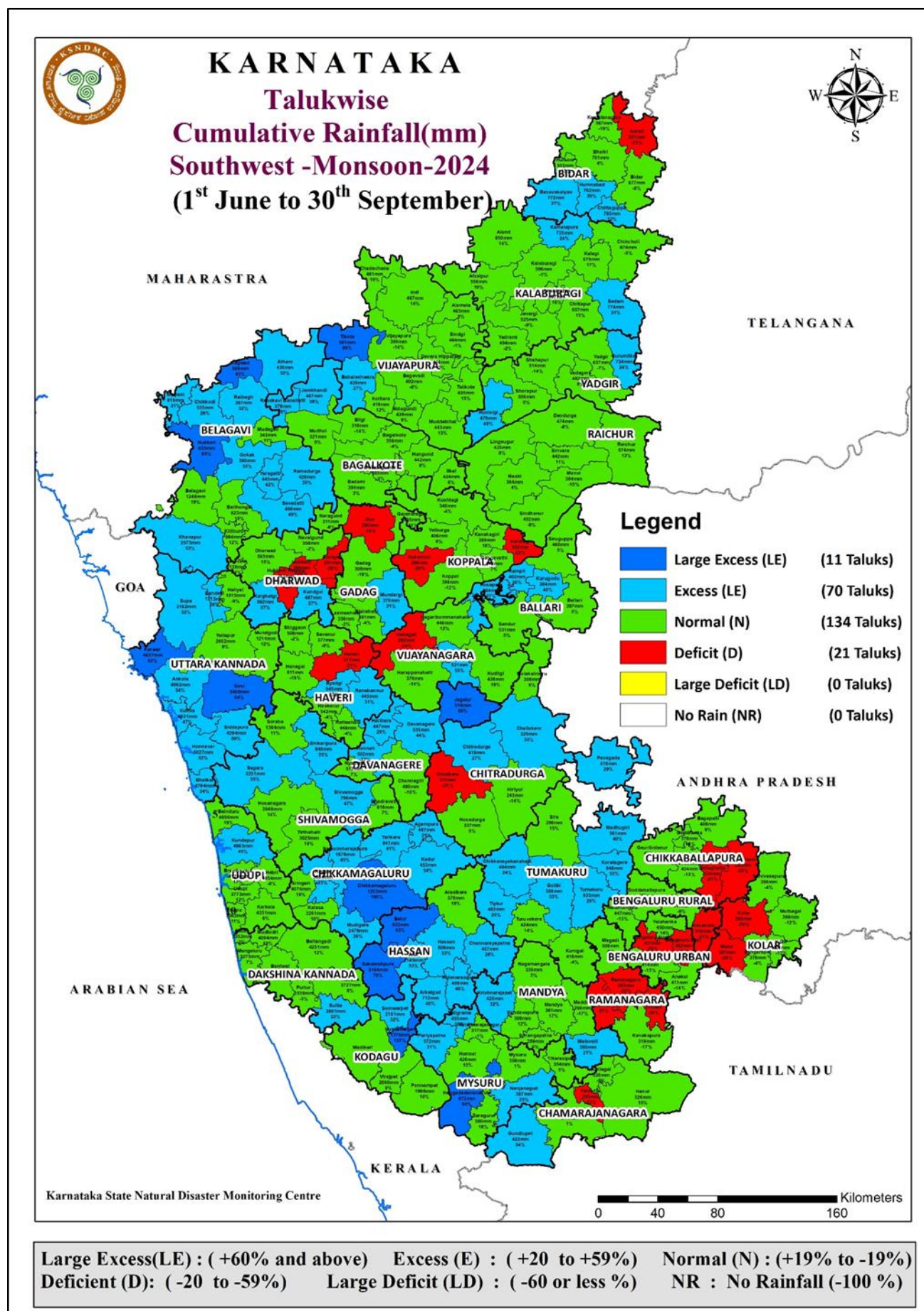
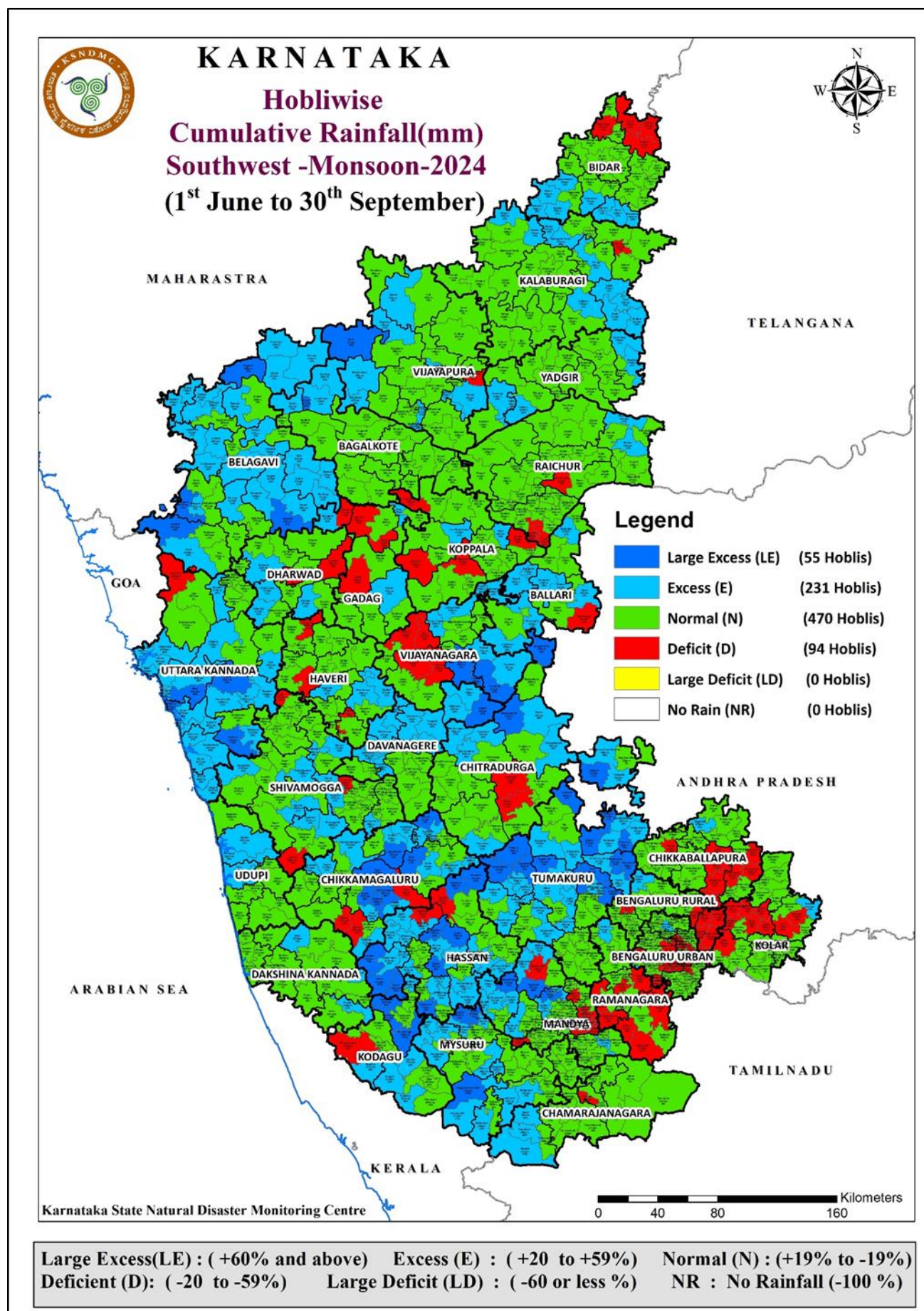


Figure 1.16: Hobli-wise Rainfall pattern during the Southwest Monsoon Season 2024:



1.4.3. NORTH EAST (NE) MONSOON RAINFALL:

The **North-East (NE) Monsoon (October to December)** contributes about **16%** of rainfall to the Annual Normal rainfall for the State. Regionally, the NE-Monsoon season rainfall contributes about **8%** to the Annual Normal rainfall in the Coastal area, **12%** in Malnad region, about **20%** in NIK and **29%** in SIK. The rainfall during the NE-Monsoon season is very important for the later stages of Kharif crops and for the Rabi crops as well in the State.

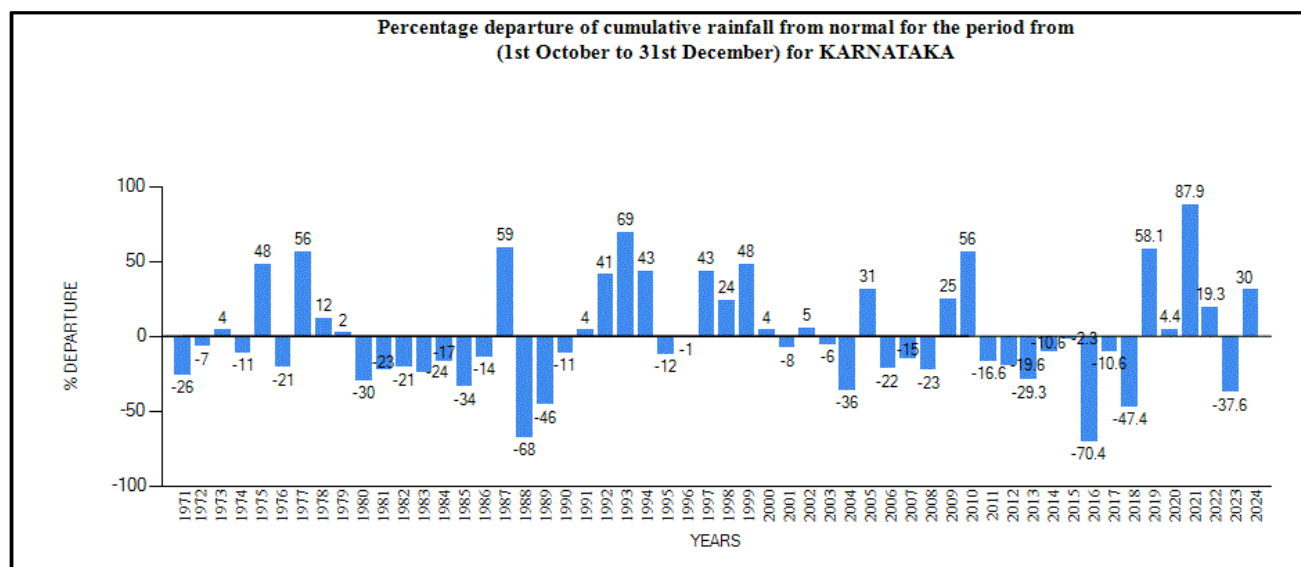
During the period from **1st October 31st December 2024** the State as a whole recorded **238 mm** of Rainfall as against the Normal Rainfall of **182 mm** with (+) **30%** departure from Normal. Thus the State as whole is classified under **Excess Rainfall** category.

The comparison of Zone-wise Cumulative Rainfall pattern during the period from **1st October to 31st December 2024** is compared to corresponding period of past **4** years and is given below:

Region/State	Normal (mm)	2020		2021		2022		2023		2024	
		Actual (mm)	Dep%	Actual (mm)	Dep%	Actual (mm)	Dep%	Actual (mm)	Dep%	Actual (mm)	Dep%
1.SIK	201.9	196.4	-3	485	140	302	50	139	-32	293.3	45
2.NIK	139.7	150.8	8	162.9	17	160	15	43	-70	146.0	5
3.MALNAD	225.7	207.3	-8	477.8	112	259	-1	191	-15	319.7	42
4.COASTAL	259.4	330	27	577.1	122	241	-13	272	6	392.7	51
State	182.2	190	4	342	88	217	19	114	-38	237.8	30

The percentage departure of Cumulative Rainfall from Normal during **1st October to 31st December 2024** is (+) **30%** which is **good** when compared to the corresponding period of **last year**.

The percentage departure of Cumulative Rainfall from Normal, for the State as a whole, during the period from **1st October to 31st December 2024** since 1971, is given below:



The figure shows that the percentage departure of Cumulative Rainfall is (+) **30% more** the Normal for the State, during the **1st October to 31st December 2024** is and which is **more** than the Rainfall of corresponding period of **last year**.

1.2.1 District wise Cumulative Rainfall pattern during 1st October to 31st December 2024 is given in the following Table: (Total 31 Districts in the State):

SL. No.	District	Normal(mm)	Actual(mm)	Percentage Departure
1	Davanagere	161.1	301.0	87
2	Tumakuru	186.4	336.4	80
3	Haveri	165.7	288.6	74
4	Bengaluru Urban	218.8	364.5	67
5	Dharwad	147.8	242.1	64
6	Uttara Kannada	186.7	303.3	62
7	Shivamogga	205.0	331.2	62
8	Belagavi	132.8	213.3	61
9	Ramanagara	226.3	359.0	59
10	Udupi	311.7	473.2	52
11	Bengaluru Rural	213.3	320.1	50
12	Chikkamagaluru	221.1	327.7	48
13	Vijayanagar	154.8	228.8	48
14	Chitradurga	154.8	225.0	45
15	Mandya	216.8	308.6	42
16	Kolar	219.3	311.6	42
17	Dakshina Kannada	375.9	522.9	39
18	Hassan	219.8	289.4	32
19	Chikkaballapura	211.2	275.3	30
20	Kodagu	288.4	332.5	15
21	Chamarajanagara	263.0	287.2	9
22	Mysuru	213.5	226.4	6
23	Ballari	159.4	166.4	4
24	Gadag	147.0	141.8	-4
25	Kalaburagi	127.2	108.8	-14
26	Bagalkote	140.8	119.4	-15
27	Koppala	149.3	119.1	-20
28	Bidar	116.6	87.9	-25
29	Yadgir	133.7	91.7	-31
30	Vijayapura	132.5	86.0	-35
31	Raichur	146.2	82.6	-44
	State	186	237.8	30

The District wise Rainfall pattern indicates:

Rainfall category	No. of Districts
Large Excess ($\geq 60\%$)	8 Districts
Excess (+20 to +59%)	11 Districts
Normal (-19 to +19%)	7 Districts
Deficit (-20 to -59%)	5 Districts
Large Deficit (-60 to -99%)	Nil
No rain ($\leq -100\%$)	Nil

During the corresponding period of the preceding year (2023), the Rainfall was **Excess** in **1** District, **Normal** in **6** Districts and **Deficit** in **13** Districts and **Large Deficit** in **11** Districts.

1.2.2 Taluk wise Cumulative Rainfall pattern during 1st October to 31st December 2024 is given in the following table. (**Total 236 Taluks in the State**):

Rainfall category	No. of Taluks
Large Excess ($\geq 60\%$)	51 Taluks
Excess (+20 to +59%)	79 Taluks
Normal (-19 to +19%)	62 Taluks
Deficit (-20 to -59%)	41 Taluks
Large Deficit (-60 to -99%)	3 Taluks
No rain ($\leq -100\%$)	Nil

During the preceding year (2023), the Rainfall was **Large Excess** in **3** Taluks, **Excess** in **10** Taluks, **Normal** in **38** Taluks, **Deficit** in **94** Taluks and **Large Deficit** in **91** Taluks.

The Hobli-wise Rainfall pattern during **1st October to 31st December 2023** is given in the following Table (**Total 850 Hoblis in the State**):

Rainfall category	No. of Hoblis
Large Excess ($\geq 60\%$)	236 Hoblis
Excess (+20 to +59%)	259 Hoblis
Normal (-19 to +19%)	212 Hoblis
Deficit (-20 to -59%)	128 Hoblis
Large Deficit (-60 to -99%)	15 Hoblis
No rain ($\leq -100\%$)	Nil

Figure 1.18: District wise Rainfall (mm) pattern during the North East Monsoon Season 2024:

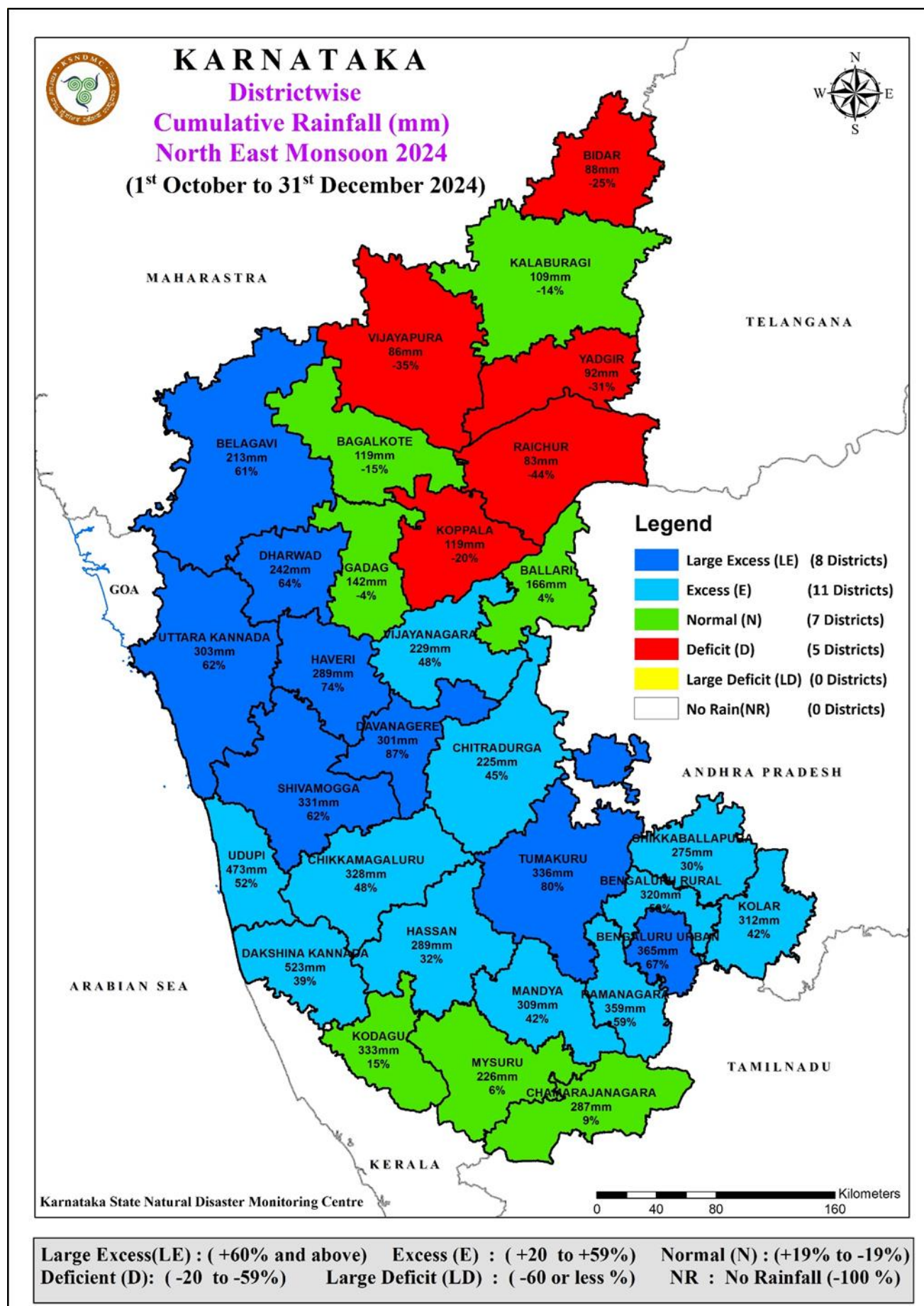


Figure 1.19: Taluk wise Rainfall (mm) pattern during the North East Monsoon Season 2024:

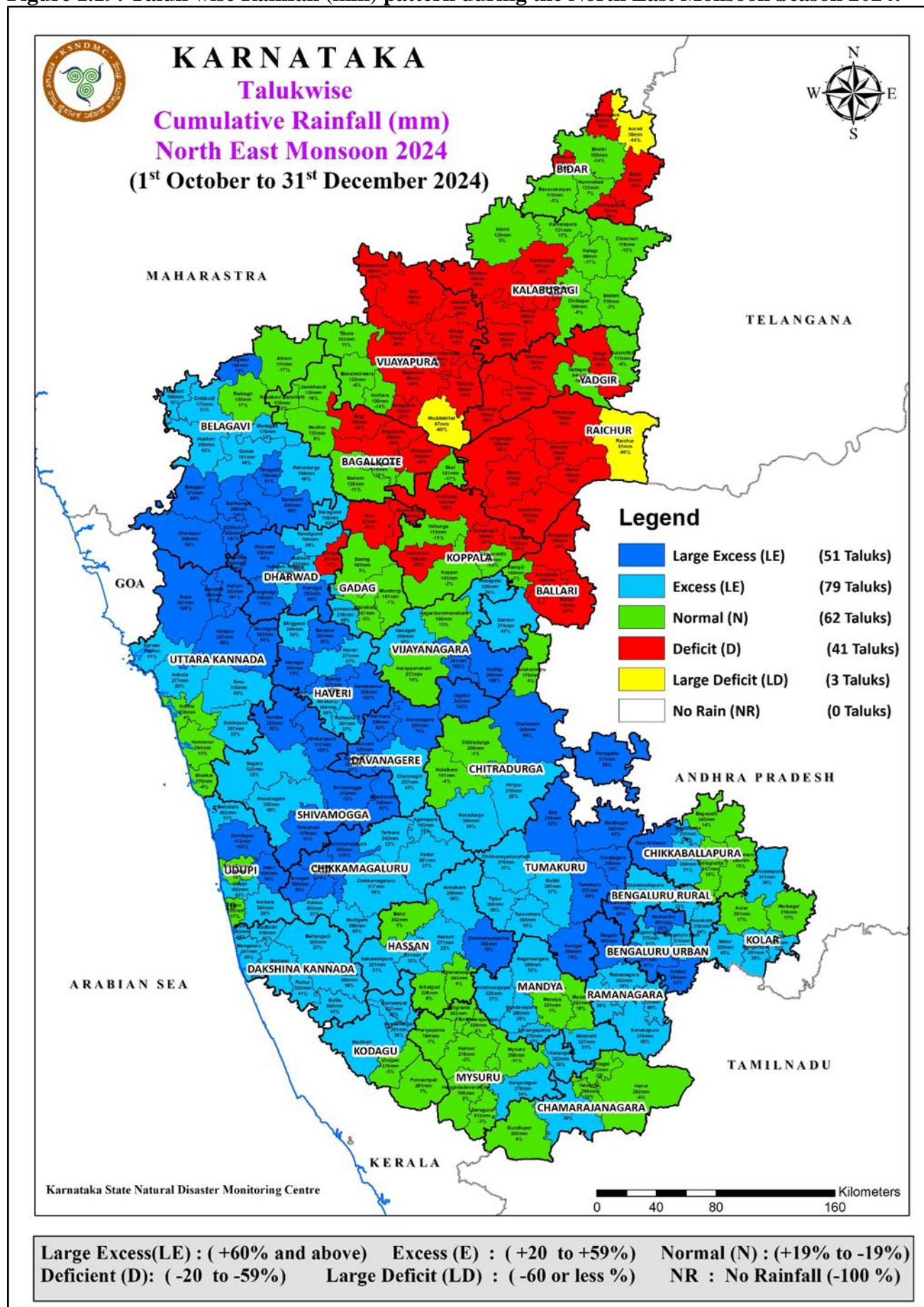
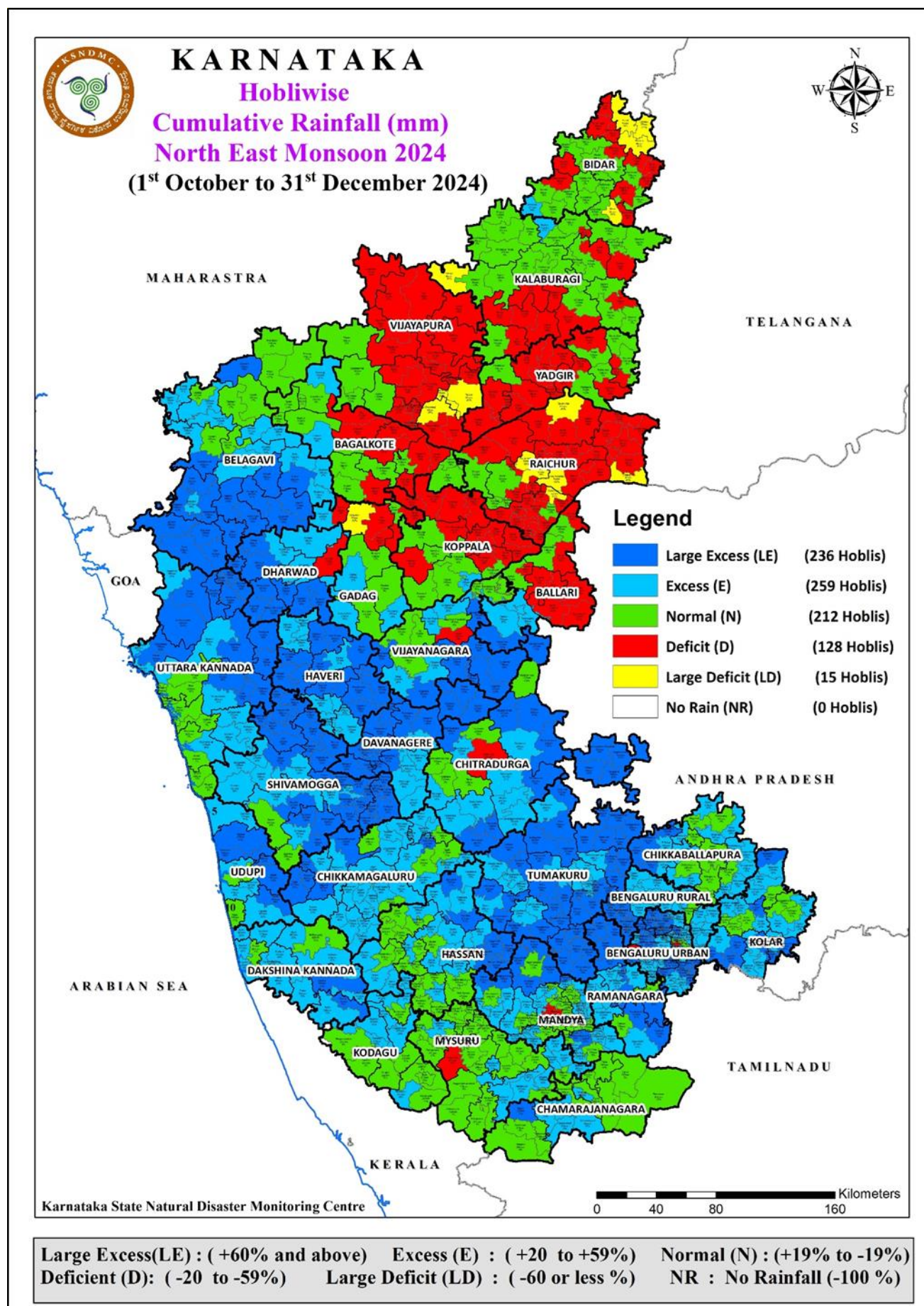


Figure 1.20: Hobli-wise Rainfall pattern during the North East Monsoon Season 2024:



WATER BALANCE METHODOLOGY FOR MONITORING OF DROUGHT PERIODS AND THEIR SEVERITIES DURING AGRICULTURAL GROWING SEASON

The understanding of agricultural drought pattern requires not only analysis of rainfall records but also adequacy of soil moisture patterns and deficiencies of the same during the crop growing season of a particular year or between different years. It is more realistic to adopt a suitable method of water budgeting and deal with the soil moisture available in a crop growing season. Drought occurs when there is insufficient moisture in the root zone of the crop. Where direct measurement of soil moisture and its determination are not possible, the concept of potential evapo-transpiration and the water budgeting provide an indirect method for determining actual evapo-transpiration (AE) and changes in soil moisture.

Moisture Adequacy Index:

The ratio AE / PE expressed in percentage known as Moisture Adequacy Index (MAI) is a useful index for scientific crop planning and drought monitoring. The systems analysis approach using the distribution of Moisture Adequacy Index with in crop growing season would help in determining optimum times for sowing, selection of suitable crop varieties and other cultural operations for specific regions.

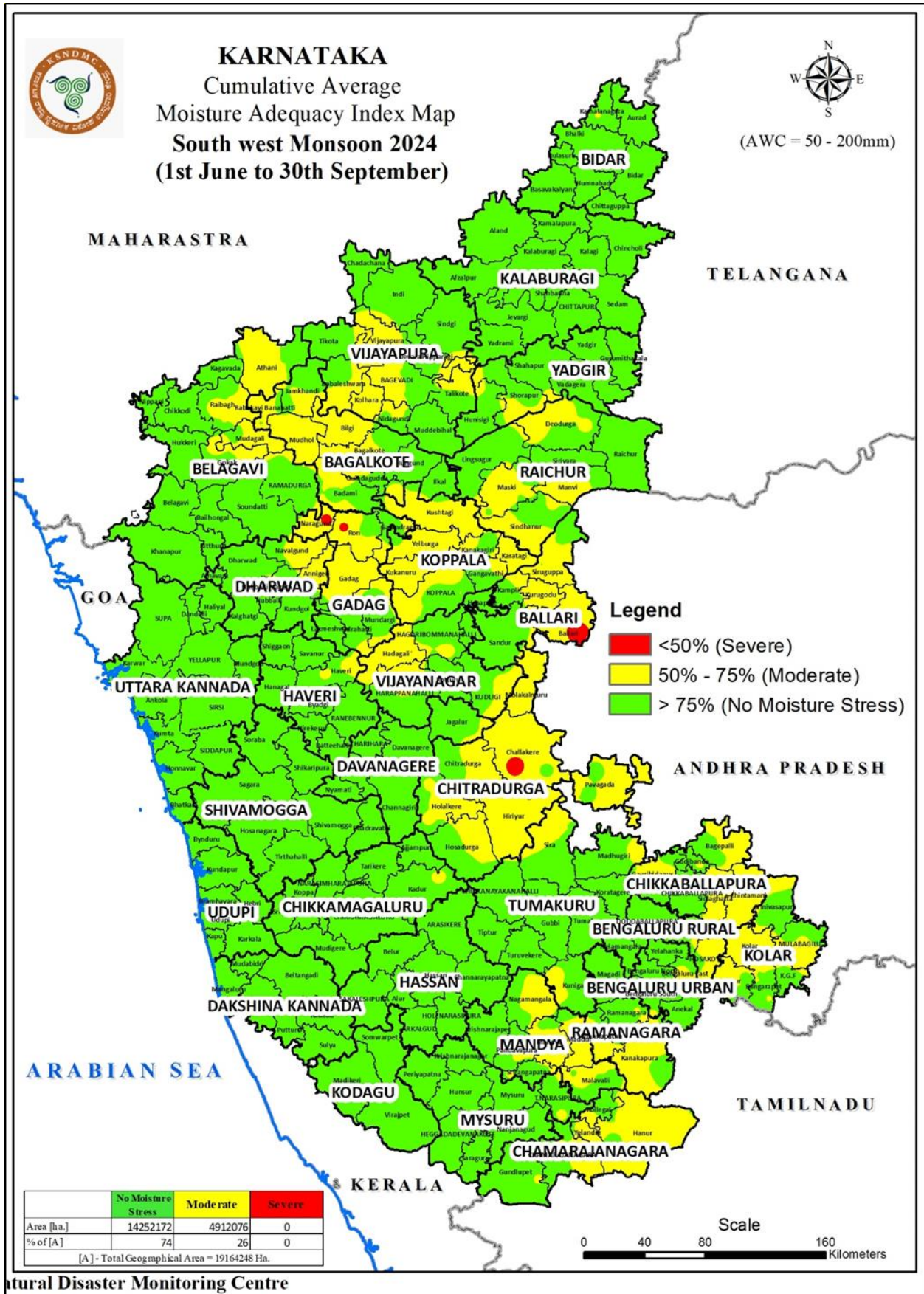
Decrease of MAI from 100% would indicate soil moisture stress conditions experienced by the crops. Up to MAI value of 75%, there would be hardly any moisture stress. So period with MAI >75% can be denoted as humid period. Many dry land crops would experience only slight moisture stress even up to MAI of 50%. So period for which MAI is 50% -75% or above is considered as agricultural condition. When MAI is between 25% and 50% crops would experience only moderate drought conditions. So some of the drought resistant crops like Jowar, Ragi, Bajra, Minor millets, Groundnut, Sunflower and Pulses etc., would be able to withstand such droughts for a limited period. But when MAI becomes less than 25% severe drought would set in. The results of moisture adequacy index studies at the end of the South-West Monsoon season are presented in the figures

The Salient findings are as follows:

At the end of **September 2024**, due to **Normal** rainfall over major parts of the State, **26%** of the geographical area is falling under **Moderate** condition and remaining **74%** of the geographical area is falling under **Normal agriculturally favorable** condition.

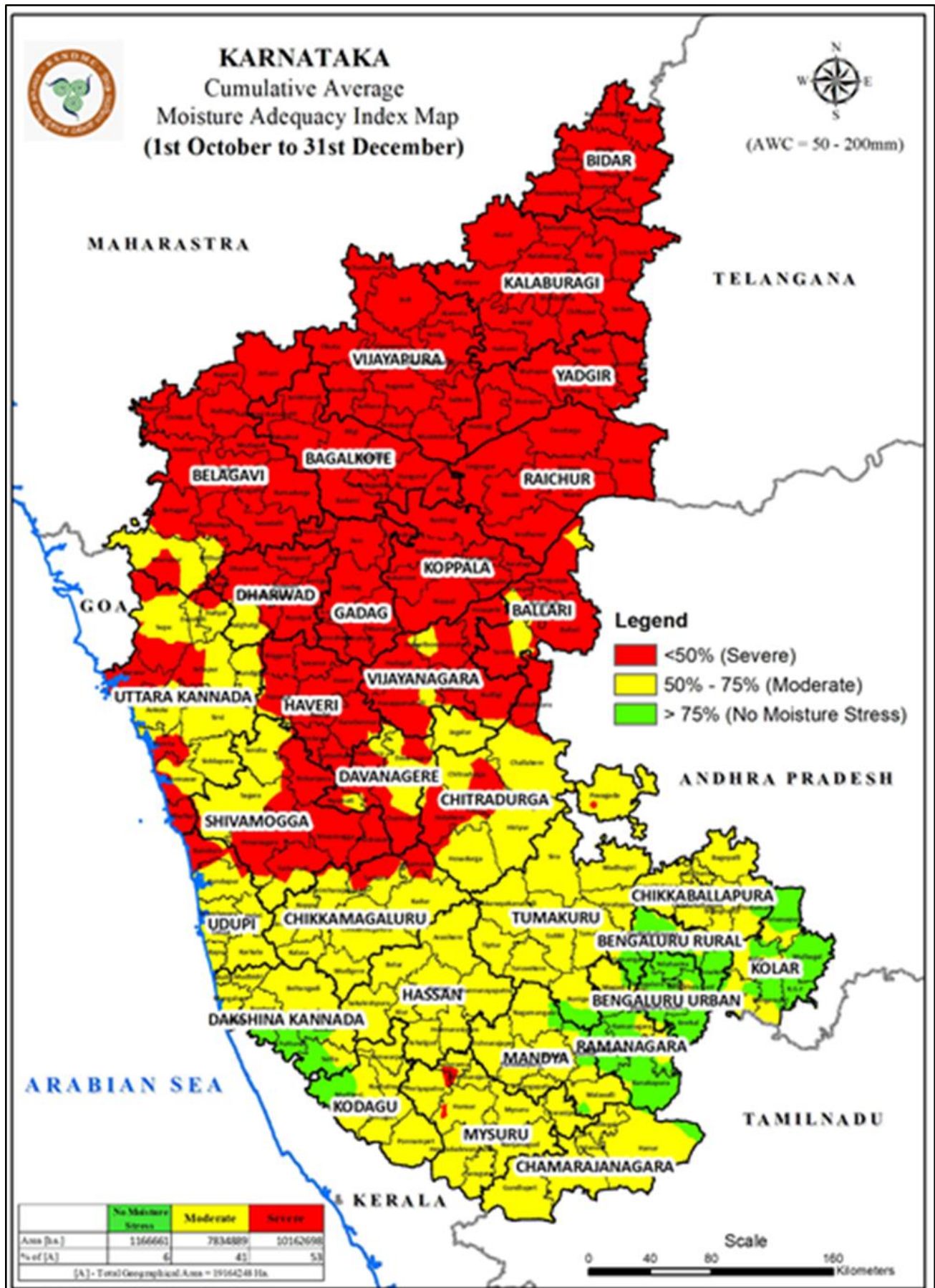
At the end of **December 2024**, due to **Normal** rainfall over major parts of the State **94%** of the area is falling under **Moderate to Severe** condition and remaining **6%** of the geographical area is falling under **Normal agriculturally favorable** condition.

Figure 2.1: Moisture Adequacy Index (MAI) for SW Monsoon 2024



Natural Disaster Monitoring Centre

Figure 2.2: Moisture Adequacy Index (MAI) for NE Monsoon 2024



3. MAJOR RESERVOIR LEVELS IN THE STATE

Table-3.1

Name of the Reservoir: (1) LINGANAMAKKI

Basin: HYDEL GENERATION RESERVOIR

Full Reservoir Level: 1819.12

Unit: in feet

Reservoir level (RL): above mean sea level

Std. Week No	Reservoir Level information during recent 10 years			Levels during 2024	Difference in RL of 2024 compared to the Average level	Levels during 2023.	Difference in RL of 2024 compared Maximum
	Maximum	Minimum	Average 10 years				
23	1776.00	1742.40	1753.82	1745.00	-8.82	1744.60	0.40
24	1779.25	1741.80	1753.97	1745.05	-8.92	1741.80	3.25
25	1785.60	1740.20	1755.43	1744.60	-10.83	1740.20	4.40
26	1785.05	1740.35	1759.04	1751.45	-7.59	1740.35	11.10
27	1783.95	1748.55	1765.47	1769.40	3.93	1749.35	20.05
28	1792.45	1755.30	1772.69	1778.15	5.46	1755.30	22.85
29	1801.35	1767.30	1780.91	1797.60	16.69	1767.30	30.30
30	1806.40	1771.00	1787.39	1809.10	21.71	1786.30	22.80
31	1809.65	1777.60	1792.46	1816.00	23.54	1789.55	26.45
32	1812.00	1784.45	1800.06	1816.65	16.59	1790.70	25.95
33	1817.25	1785.45	1802.70	1816.80	14.10	1790.20	26.60
34	1818.20	1787.07	1804.11	1817.25	13.14	1789.40	27.85
35	1818.35	1787.24	1805.14	1817.50	12.36	1787.80	29.70
36	1818.95	1787.15	1805.52	1817.85	12.33	1787.15	30.70
37	1818.75	1786.75	1806.15	1818.05	11.90	1786.75	31.30
38	1818.40	1787.30	1807.03	1817.45	10.42	1787.30	30.15
39	1818.45	1787.50	1807.27	1817.40	10.13	1787.50	29.90
40	1818.40	1788.20	1807.36	1816.90	9.54	1788.20	28.70
41	1818.80	1787.35	1807.19	1817.40	10.21	1787.35	30.05
42	1818.95	1786.75	1806.99	1817.50	10.51	1786.75	30.75
43	1818.50	1785.85	1806.34	1817.15	10.81	1785.85	31.30
44	1818.40	1785.25	1805.96	1816.50	10.54	1785.25	31.25
45	1817.95	1785.80	1805.38	1815.50	10.12	1785.80	29.70
46	1817.25	1785.30	1804.71	1814.65	9.94	1785.30	29.35
47	1816.30	1784.55	1803.98	1813.55	9.57	1784.55	29.00
48	1815.40	1784.09	1803.18	1812.45	9.27	1784.09	28.36
49	1814.40	1783.15	1802.27	1811.8	9.53	1783.15	28.65
50	1813.25	1782.45	1801.46	1810.70	9.25	1782.45	28.25
51	1812.10	1781.50	1800.51	1809.35	8.84	1781.50	27.85
52	1810.65	1780.25	1799.23	1807.70	8.47	1780.25	27.45

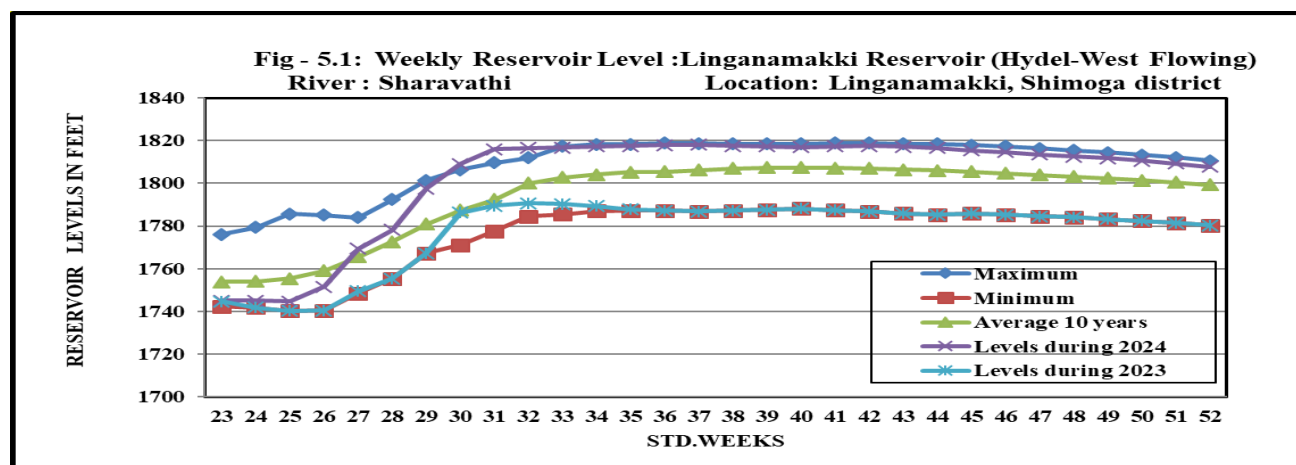


Table-3.2

Name of the Reservoir: (2) SUPA

Basin: HYDEL GENERATION RESERVOIR

Full Reservoir Level: 1850.48

Unit: in feet

Reservoir level (RL): above mean sea level

Std. Week No.	Reservoir Level information during recent 10 years			Levels during 2024	Difference in RL of 2024 compared to the Average level	Levels during 2023.	Difference in RL of 2024 compared Maximum
	Maximum	Minimum	Average 10 years				
23	1757.70	1703.69	1738.98	1728.86	-10.12	1736.50	-7.64
24	1759.93	1700.38	1738.92	1726.23	-12.69	1732.27	-6.04
25	1768.98	1700.64	1736.89	1725.02	-11.88	1727.64	-2.62
26	1767.87	1702.28	1737.89	1725.48	-12.41	1725.35	0.13
27	1764.69	1714.46	1743.40	1746.54	3.14	1727.68	18.87
28	1784.65	1719.87	1754.31	1759.44	5.13	1731.65	27.79
29	1803.18	1742.99	1765.85	1785.52	19.67	1753.04	32.48
30	1811.87	1751.03	1779.15	1809.80	30.65	1784.54	25.26
31	1815.38	1757.75	1786.40	1829.35	42.95	1791.26	38.09
32	1839.82	1772.20	1798.38	1832.44	34.06	1793.53	38.91
33	1845.30	1774.69	1804.27	1832.44	28.17	1792.41	40.03
34	1846.34	1772.49	1806.93	1835.29	28.36	1791.79	43.51
35	1846.97	1770.66	1809.13	1839.72	30.59	1790.05	49.67
36	1848.35	1764.88	1810.26	1845.40	35.14	1789.85	55.55
37	1846.64	1769.94	1812.06	1846.78	34.72	1789.98	56.79
38	1846.64	1772.02	1813.97	1846.25	32.28	1789.79	56.46
39	1846.48	1772.09	1814.63	1846.61	31.98	1789.65	56.96
40	1846.64	1772.53	1814.95	1845.96	31.01	1792.44	53.51
41	1846.77	1773.38	1814.91	1846.32	31.41	1790.28	56.04
42	1846.90	1773.06	1814.16	1845.96	31.80	1788.31	57.65
43	1848.80	1773.39	1814.02	1845.73	31.71	1787.75	57.98
44	1848.58	1773.66	1813.37	1844.45	31.07	1786.70	57.75
45	1848.28	1773.96	1812.60	1842.87	30.27	1786.77	56.11
46	1847.23	1773.99	1811.69	1841.85	30.17	1786.70	55.15
47	1845.92	1774.00	1810.62	1840.61	29.98	1786.01	54.60
48	1844.15	1774.00	1809.43	1839.07	29.64	1785.91	53.15
49	1842.84	1774.02	1808.16	1837.79	29.62	1785.22	52.56
50	1840.80	1773.98	1807.02	1835.65	28.64	1784.70	50.95
51	1838.37	1773.43	1805.64	1833.29	27.65	1783.72	49.58
52	1834.70	1772.45	1803.60	1829.78	26.18	1782.44	47.34

Fig - 5.2: Weekly Reservoir Level: Supa Reservoir (Hydel - West Flowing)
River : Kali **Location: Supa, Uttara Kannada district**

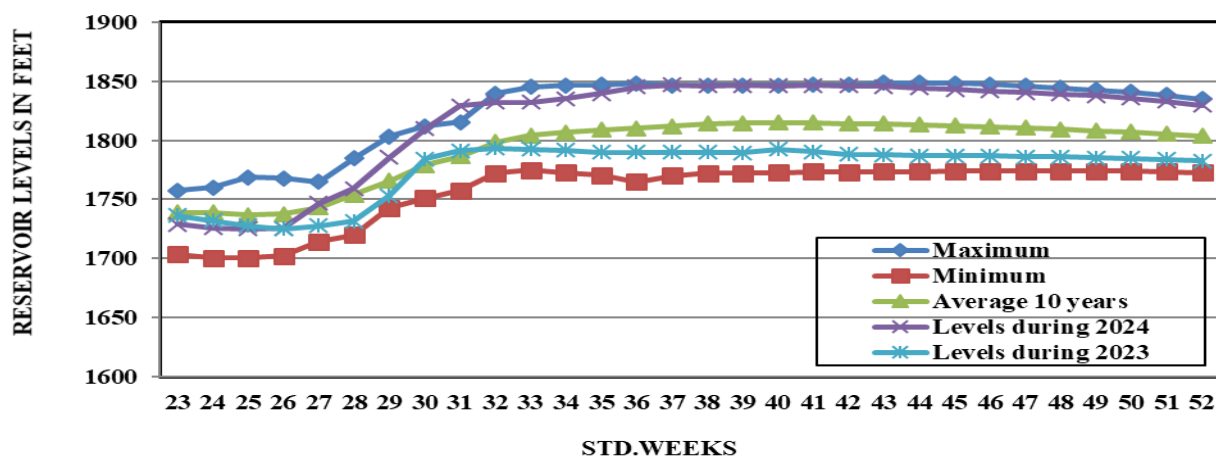


Table-3.3

Name of the Reservoir: (3) VARAHI

Basin: HYDEL GENERATION RESERVOIR

Full Reservoir Level: 1950.10

Unit: in feet

Reservoir level (RL): above mean sea level

Std. Week No.	Reservoir Level information during			Levels during 2024	Difference in RL of 2024 compared to the Average level	Levels during 2023	Difference in RL of 2024 compared Maximum
	recent 10 years						
	Maximum	Minimum	Average 10 years				
23	1886.41	1866.95	1876.84	1877.13	0.29	1869.74	7.38
24	1893.74	1867.45	1878.01	1876.47	-1.54	1869.94	6.53
25	1893.48	1868.35	1879.52	1874.83	-4.69	1870.40	4.43
26	1898.79	1870.17	1882.23	1880.54	-1.69	1871.22	9.32
27	1902.79	1877.52	1887.88	1889.53	1.65	1877.52	12.01
28	1914.86	1882.70	1894.70	1895.83	1.13	1882.70	13.12
29	1923.72	1889.15	1901.97	1910.53	8.56	1891.50	19.03
30	1929.36	1890.46	1908.66	1920.43	11.78	1903.50	16.93
31	1932.38	1896.43	1912.87	1929.72	16.85	1907.25	22.47
32	1937.82	1906.59	1919.56	1931.69	12.13	1906.59	25.10
33	1947.66	1905.67	1923.40	1932.77	9.37	1905.67	27.10
34	1948.45	1902.99	1924.82	1934.08	9.26	1902.99	31.09
35	1948.52	1901.11	1925.91	1936.97	11.06	1901.11	35.86
36	1948.42	1901.41	1927.44	1940.91	13.47	1901.41	39.50
37	1947.66	1903.31	1928.77	1942.75	13.97	1903.31	39.44
38	1947.24	1905.21	1929.93	1942.81	12.89	1905.21	37.60
39	1946.71	1906.39	1930.25	1944.65	14.40	1906.39	38.26
40	1946.55	1907.51	1930.24	1945.24	15.00	1907.51	37.73
41	1945.76	1906.85	1929.81	1945.96	16.15	1906.85	39.11
42	1944.71	1906.13	1929.39	1946.75	17.36	1906.13	40.62
43	1943.73	1906.26	1928.98	1947.08	18.10	1906.26	40.82
44	1942.74	1906.26	1928.55	1946.03	17.47	1906.26	39.77
45	1942.22	1906.52	1927.86	1945.37	17.51	1906.52	38.85
46	1941.10	1906.29	1927.00	1944.25	17.26	1906.29	37.96
47	1939.99	1906.26	1926.35	1943.37	17.02	1906.26	37.11
48	1939.10	1906.46	1925.40	1942.32	16.92	1906.46	35.86
49	1937.76	1906.23	1924.87	1942.42	17.55	1906.23	36.19
50	1936.25	1905.34	1923.49	1941.63	18.14	1905.34	36.29
51	1935.20	1904.62	1922.67	1940.74	18.07	1904.62	36.12
52	1933.43	1904.29	1921.24	1939.50	18.26	1904.29	35.21

Fig - 5.3: Weekly Reservoir Level: Varahi Reservoir (Hydel-West Flowing)
River : Varahi
Location: Hosanagara, Shimoga district

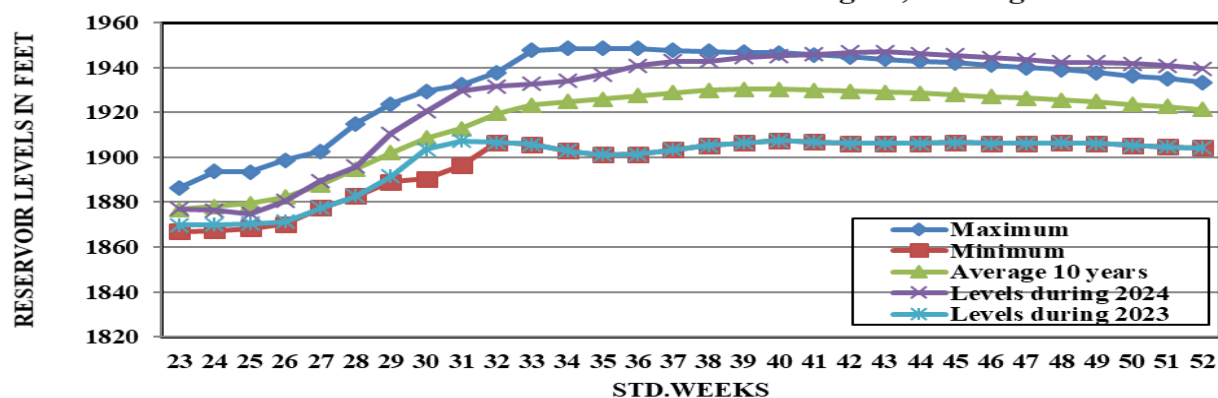


Table-3.4

Name of the Reservoir: (4) HARANGI

Basin: CAUVERY GENERATION RESERVOIR

Full Reservoir Level: 2859.13

Unit: in feet

Reservoir level (RL): above mean sea level

Std. Week No.	Reservoir Level information during recent 10 years			Levels during 2024	Difference in RL of 2024 compared to the Average level	Levels during 2023	Difference in RL of 2024 compared Maximum
	Maximum	Minimum	Average 10 years				
23	2850.75	2797.77	2815.12	2825.26	10.14	2818.91	6.35
24	2851.45	2801.28	2820.50	2828.01	7.51	2818.95	9.06
25	2852.67	2806.81	2825.16	2829.14	3.98	2819.34	9.80
26	2855.48	2808.07	2832.98	2838.42	5.44	2820.69	17.73
27	2856.73	2812.30	2839.74	2848.76	9.02	2833.73	15.03
28	2857.30	2818.81	2846.59	2854.77	8.18	2842.74	12.03
29	2858.26	2827.56	2853.03	2855.25	2.22	2853.11	2.14
30	2858.53	2833.79	2854.62	2855.85	1.23	2856.51	-0.66
31	2858.65	2833.29	2854.81	2854.55	-0.25	2858.65	-4.10
32	2858.83	2854.39	2856.60	2856.87	0.27	2858.83	-1.96
33	2858.21	2851.72	2856.79	2857.54	0.76	2858.14	-0.60
34	2858.26	2854.88	2857.12	2858.14	1.02	2857.90	0.24
35	2858.24	2853.84	2856.45	2858.72	2.27	2855.63	3.09
36	2858.06	2851.40	2855.96	2858.57	2.61	2856.44	2.13
37	2858.48	2843.79	2855.53	2858.64	3.11	2858.19	0.45
38	2858.63	2842.58	2854.94	2857.60	2.66	2856.41	1.19
39	2858.88	2841.17	2854.77	2857.98	3.21	2854.02	3.96
40	2858.22	2835.59	2853.42	2856.62	3.20	2855.82	0.80
41	2858.50	2833.25	2852.71	2854.92	2.21	2856.99	-2.07
42	2858.39	2829.05	2852.01	2856.67	4.67	2855.00	1.67
43	2858.15	2823.31	2849.86	2856.30	6.44	2850.87	5.43
44	2857.15	2816.06	2844.98	2854.57	9.59	2848.36	6.21
45	2857.67	2809.62	2841.71	2851.91	10.20	2848.64	3.27
46	2858.04	2802.06	2836.77	2847.01	10.24	2846.91	0.10
47	2857.51	2792.63	2832.61	2841.90	9.29	2841.98	-0.08
48	2856.87	2787.80	2828.23	2834.86	6.63	2836.54	-1.68
49	2855.16	2784.78	2824.12	2836.39	12.27	2834.06	2.33
50	2853.96	2783.47	2820.92	2834.25	13.33	2833.37	0.88
51	2854.09	2783.26	2818.79	2833.51	14.72	2830.33	3.18
52	2854.98	2785.41	2818.21	2834.55	16.34	2830.67	3.88

Fig - 5.4: Weekly Reservoir Level: Harangi Reservoir (Cauvery Basin)
River : Harangi
Location: Somwarpet, Kodagu district

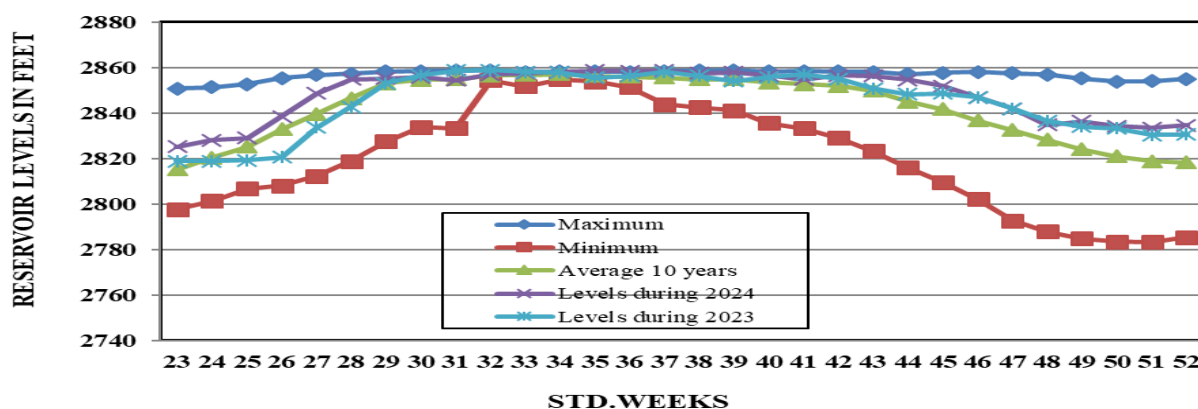


Table-3.5

Name of the Reservoir: (5) HEMAVATHI

Basin: CAUVERY GENERATION RESERVOIR

Full Reservoir Level: 2922.16

Unit: in feet

Reservoir level (RL): above mean sea level

Std. Week No.	Reservoir Level information during			Levels during 2024	Difference in	Levels during 2023	Difference in RL of 2024 compared Maximum
	recent 10 years				RL of 2024		
					compared to the		
					Average level		
23	2905.09	2852.70	2874.84	2880.93	6.09	2891.87	-10.94
24	2905.25	2855.93	2878.40	2882.14	3.74	2891.31	-9.17
25	2905.47	2858.10	2881.63	2883.23	1.60	2891.00	-7.77
26	2907.92	2865.29	2886.58	2889.54	2.96	2890.25	-0.71
27	2915.44	2870.30	2891.73	2897.55	5.82	2891.20	6.35
28	2920.40	2874.18	2897.00	2904.40	7.40	2893.25	11.15
29	2921.50	2885.72	2902.23	2920.10	17.87	2898.30	21.80
30	2922.00	2892.33	2907.75	2920.12	12.37	2912.50	7.62
31	2921.75	2894.27	2910.16	2921.25	11.09	2915.05	6.20
32	2921.70	2895.83	2915.06	2920.75	5.69	2916.21	4.54
33	2921.97	2893.50	2914.65	2920.90	6.25	2913.54	7.36
34	2921.80	2893.58	2913.80	2921.17	7.37	2910.28	10.89
35	2921.93	2894.20	2912.48	2921.85	9.37	2906.30	15.55
36	2921.82	2890.40	2910.51	2921.95	11.44	2901.69	20.26
37	2921.95	2877.50	2908.26	2921.80	13.54	2896.50	25.30
38	2921.95	2873.41	2907.27	2921.05	13.78	2896.90	24.15
39	2921.75	2876.35	2907.13	2920.60	13.47	2898.01	22.59
40	2921.45	2875.33	2906.25	2919.05	12.80	2900.40	18.65
41	2921.85	2871.70	2905.15	2918.51	13.36	2901.35	17.16
42	2921.75	2872.25	2904.50	2918.43	13.93	2901.47	16.96
43	2921.71	2870.81	2903.00	2919.53	16.53	2897.76	21.77
44	2921.04	2868.02	2900.65	2918.95	18.30	2892.05	26.90
45	2919.75	2868.04	2899.65	2917.77	18.12	2894.15	23.62
46	2917.75	2864.81	2898.20	2915.75	17.55	2893.86	21.89
47	2916.00	2864.93	2897.15	2913.80	16.66	2892.75	21.05
48	2914.40	2864.94	2895.92	2911.42	15.50	2892.22	19.20
49	2913.58	2864.95	2894.19	2910.15	15.96	2892.07	18.08
50	2912.51	2865.06	2892.34	2908.55	16.21	2892.13	16.42
51	2911.04	2865.10	2890.48	2907.22	16.74	2891.91	15.31
52	2909.57	2865.08	2888.68	2905.30	16.62	2891.63	13.67

Fig - 5.5: Weekly Reservoir Level: Hemavathi Reservoir (Cauvery Basin)

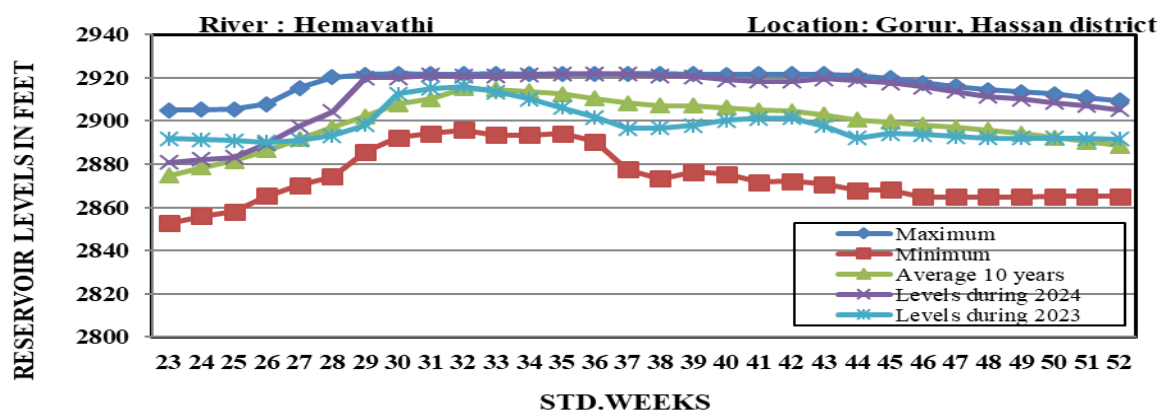


Table-3.6

Name of the Reservoir: (6) K.R.S

Basin: CAUVERY GENERATION RESERVOIR

Full Reservoir Level: 124.8 0

Unit: in feet

Reservoir level (RL): above mean sea level

Std. Week No.	Reservoir Level information during recent 10 years			Levels during 2024	Difference in	Levels during 2023	Difference in RL of 2024 compared Maximum
					RL of 2024		
	Maximum	Minimum	Average 10 years		compared to the		
					Average level		
23	105.46	67.62	81.54	85.20	3.66	82.80	2.40
24	105.66	67.86	83.58	87.00	3.42	81.20	5.80
25	106.56	68.00	85.85	87.65	1.80	77.70	9.95
26	108.20	72.40	89.60	95.50	5.90	78.06	17.44
27	119.44	77.70	94.17	102.80	8.63	82.00	20.80
28	123.43	78.35	99.04	105.40	6.36	89.00	16.40
29	124.65	84.70	103.08	123.20	20.12	91.24	31.96
30	124.74	87.13	107.84	124.80	16.96	112.00	12.80
31	123.86	83.10	108.23	123.14	14.91	113.44	9.70
32	124.60	92.80	114.34	123.10	8.76	112.82	10.28
33	124.80	90.60	114.22	123.46	9.24	107.66	15.80
34	124.80	92.12	113.66	123.72	10.06	102.22	21.50
35	124.80	93.03	113.40	124.38	10.98	99.86	24.52
36	124.80	91.22	113.43	124.44	11.01	98.06	26.38
37	124.80	86.10	113.03	124.80	11.77	97.16	27.64
38	124.80	87.15	112.67	124.34	11.67	96.90	27.44
39	124.80	89.35	113.35	124.08	10.73	97.78	26.30
40	124.80	86.85	114.16	124.28	10.12	101.22	23.06
41	124.80	81.40	114.39	124.80	10.41	101.24	23.56
42	124.80	81.96	114.88	124.80	9.92	100.60	24.20
43	124.80	78.30	114.54	124.80	10.27	99.48	25.32
44	124.80	81.65	114.36	124.80	10.44	99.42	25.38
45	124.80	81.64	114.57	124.80	10.23	101.00	23.80
46	124.80	77.23	113.86	124.80	10.94	100.62	24.18
47	124.80	78.05	112.99	124.80	11.81	98.58	26.22
48	124.64	78.61	111.14	124.56	13.42	97.08	27.48
49	124.80	78.75	111.42	124.80	13.38	96.34	28.46
50	124.80	78.90	111.39	124.80	13.41	96.58	28.22
51	124.52	79.30	110.95	124.80	13.85	96.86	27.94
52	123.22	79.48	110.10	124.28	14.18	96.78	27.50

Fig - 5.6: Weekly Reservoir Level: K.R.S. Reservoir (Cauvery Basin)
River : Cauvery **Location: Mysore, Mysore district**

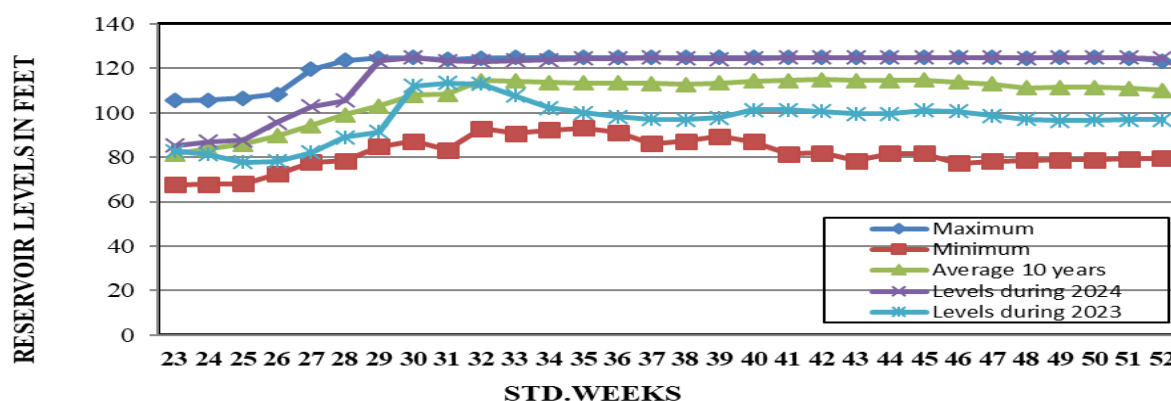


Table-3.7

Name of the Reservoir: (7) KABINI

Basin: CAUVERY GENERATION RESERVOIR

Full Reservoir Level: 2284

Unit: in feet

Reservoir level (RL): above mean sea level

Std. Week No.	Reservoir Level information during recent 10 years			Levels during 2024	Difference in RL of 2024 compared to the Average level	Levels during 2023	Difference in RL of 2024 compared Maximum
	Maximum	Minimum	Average 10 years				
23	2265.52	2241.75	2257.36	2261.87	4.51	2250.13	11.74
24	2279.80	2242.18	2259.77	2263.78	4.01	2250.36	13.42
25	2280.70	2244.85	2262.25	2264.38	2.13	2250.65	13.73
26	2282.35	2251.62	2266.53	2277.00	10.47	2251.62	25.38
27	2282.82	2263.30	2271.36	2281.89	10.53	2263.88	18.01
28	2282.78	2264.53	2274.66	2282.46	7.80	2269.95	12.51
29	2284.00	2271.19	2278.02	2282.40	4.38	2273.85	8.55
30	2283.58	2272.75	2278.93	2283.20	4.27	2282.81	0.39
31	2283.17	2269.60	2279.26	2282.35	3.09	2282.84	-0.49
32	2283.23	2269.56	2279.72	2282.84	3.12	2281.68	1.16
33	2283.79	2267.01	2279.83	2282.25	2.42	2277.82	4.43
34	2284.00	2270.16	2280.02	2282.30	2.28	2274.76	7.54
35	2283.87	2273.78	2279.97	2283.63	3.66	2273.78	9.85
36	2283.96	2274.55	2280.28	2283.46	3.18	2275.14	8.32
37	2284.00	2270.27	2280.39	2283.18	2.79	2276.26	6.92
38	2284.00	2269.88	2280.35	2282.86	2.51	2275.01	7.85
39	2284.00	2271.26	2279.48	2282.38	2.90	2273.29	9.09
40	2283.76	2269.71	2279.33	2282.69	3.36	2276.51	6.18
41	2283.73	2267.23	2279.17	2283.94	4.77	2275.91	8.03
42	2284.00	2267.60	2279.55	2283.84	4.29	2274.61	9.23
43	2283.94	2266.01	2279.08	2283.61	4.53	2273.22	10.39
44	2284.00	2265.76	2278.17	2282.82	4.66	2273.01	9.81
45	2283.91	2265.26	2277.66	2282.04	4.38	2275.72	6.32
46	2284.00	2263.94	2276.77	2280.59	3.82	2275.08	5.51
47	2283.89	2263.68	2275.52	2279.66	4.14	2273.66	6.00
48	2283.63	2263.11	2274.21	2279.13	4.92	2273.85	5.28
49	2283.73	2262.69	2273.48	2280.33	6.85	2273.98	6.35
50	2283.55	2262.05	2273.25	2279.94	6.69	2273.75	6.19
51	2283.45	2261.46	2272.95	2279.95	7.00	2273.52	6.43
52	2283.31	2260.76	2272.87	2280.61	7.74	2273.26	7.35

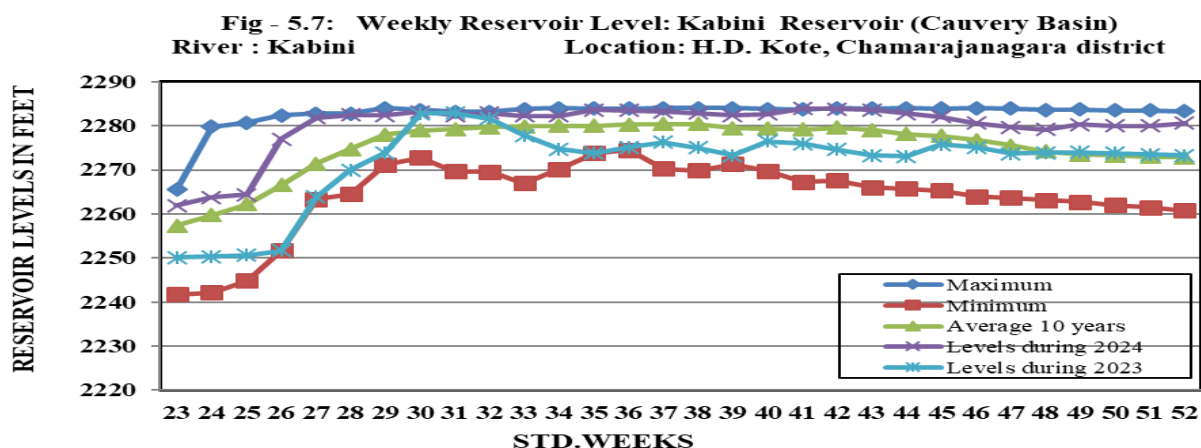


Table-3.8

Name of the Reservoir: (8) BHADRA

Basin: KRISHNA GENERATION RESERVOIR

Full Reservoir Level: 2158

Unit: in feet

Reservoir level (RL): above mean sea level

Std. Week No.	Reservoir Level information during recent 10 years			Levels during 2024	Difference in RL of 2024 compared to the Average level	Levels during 2023	Difference in RL of 2024 compared Maximum
	Maximum	Minimum	Average				
			10 years				
23	2122.68	2073.29	2100.47	2089.43	-11.04	2109.37	-19.94
24	2122.75	2079.25	2103.69	2090.95	-12.74	2109.22	-18.27
25	2125.33	2084.00	2106.66	2091.41	-15.25	2109.08	-17.67
26	2126.75	2092.00	2110.67	2096.58	-14.09	2108.93	-12.35
27	2138.33	2096.70	2115.94	2105.08	-10.86	2111.66	-6.58
28	2156.14	2098.83	2122.71	2113.25	-9.46	2113.25	0.00
29	2155.79	2108.75	2129.05	2138.50	9.45	2115.58	22.92
30	2156.20	2113.50	2135.27	2153.83	18.56	2131.75	22.08
31	2156.85	2116.50	2138.57	2152.04	13.47	2136.08	15.96
32	2157.06	2119.91	2144.84	2152.25	7.41	2139.00	13.25
33	2157.56	2122.50	2146.52	2152.08	5.56	2138.14	13.94
34	2157.97	2127.16	2147.58	2152.58	5.00	2137.45	15.13
35	2158.00	2129.83	2148.26	2155.00	6.74	2135.75	19.25
36	2158.00	2130.41	2148.47	2155.75	7.28	2134.10	21.65
37	2158.00	2129.58	2148.48	2156.33	7.85	2132.83	23.50
38	2158.00	2129.20	2148.42	2156.04	7.62	2132.43	23.61
39	2158.00	2130.25	2148.51	2156.66	8.15	2131.77	24.89
40	2158.00	2129.52	2148.60	2157.37	8.77	2130.39	26.98
41	2158.00	2127.79	2148.32	2158.00	9.68	2128.93	29.07
42	2158.00	2125.91	2147.92	2158.00	10.08	2128.00	30.00
43	2158.00	2124.79	2147.33	2158.00	10.67	2127.10	30.90
44	2157.75	2121.58	2146.37	2157.83	11.46	2125.14	32.69
45	2157.60	2119.25	2145.59	2157.14	11.55	2124.58	32.56
46	2158.00	2116.95	2144.57	2156.16	11.59	2123.91	32.25
47	2157.91	2116.02	2143.92	2154.95	11.03	2122.68	32.27
48	2157.95	2116.02	2143.81	2154.00	10.19	2122.91	31.09
49	2158.00	2116.00	2143.76	2154.10	10.34	2123.12	30.98
50	2158.00	2116.18	2143.81	2154.25	10.44	2123.33	30.92
51	2158.00	2116.22	2143.70	2154.31	10.61	2123.35	30.96
52	2157.97	2116.27	2142.95	2154.35	11.40	2123.37	30.98

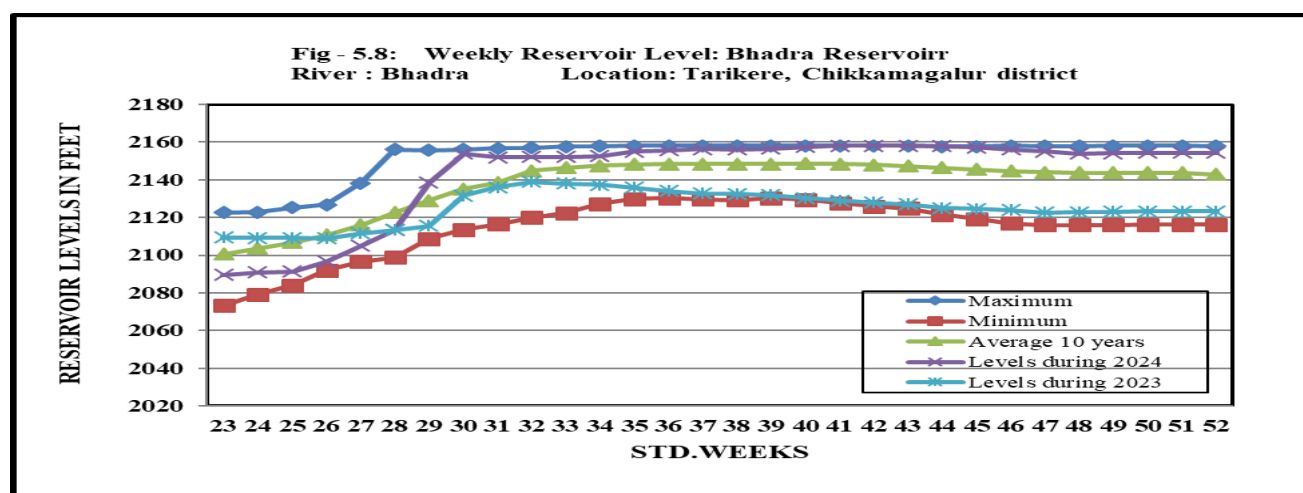


Table-3.9

Name of the Reservoir: (9) TUNGABHADRA

Basin: KRISHNA GENERATION RESERVOIR

Full Reservoir Level: 1633.94

Unit: in feet

Reservoir level (RL): above mean sea level

Std. Week No.	Reservoir Level information during			Levels during 2024	Difference in RL of 2024 compared to the Average level	Levels during 2023	Difference in RL of 2024 compared Maximum
	recent 10 years						
	Maximum	Minimum	Average				
			10 years				
23	1612.40	1568.85	1583.91	1580.23	-3.68	1581.07	-0.84
24	1612.60	1568.95	1586.41	1582.97	-3.44	1580.74	2.23
25	1613.10	1569.15	1588.75	1581.73	-7.02	1579.36	2.37
26	1614.12	1573.38	1592.62	1584.15	-8.47	1576.75	7.40
27	1621.19	1572.91	1597.14	1599.47	2.33	1576.72	22.75
28	1630.40	1587.43	1606.04	1607.59	1.55	1587.43	20.16
29	1632.00	1595.88	1612.82	1627.21	14.39	1595.88	31.33
30	1632.75	1603.57	1620.62	1630.88	10.27	1621.80	9.08
31	1632.58	1609.78	1622.38	1631.50	9.12	1627.31	4.19
32	1632.62	1616.15	1627.12	1630.97	3.85	1628.70	2.27
33	1633.00	1617.80	1628.33	1624.58	-3.75	1627.78	-3.20
34	1633.00	1617.89	1628.72	1628.04	-0.68	1626.15	1.89
35	1633.00	1616.80	1628.77	1631.06	2.29	1624.66	6.40
36	1633.00	1614.86	1628.37	1632.00	3.63	1623.14	8.86
37	1633.00	1612.77	1628.06	1632.00	3.94	1621.49	10.51
38	1633.00	1612.90	1627.69	1632.00	4.31	1620.06	11.94
39	1633.00	1614.49	1627.59	1632.00	4.41	1618.23	13.77
40	1633.00	1614.69	1627.57	1632.00	4.43	1616.54	15.46
41	1633.00	1611.65	1627.14	1631.97	4.83	1614.42	17.55
42	1633.00	1608.24	1626.61	1631.91	5.30	1611.77	20.14
43	1633.00	1604.71	1625.35	1632.00	6.65	1608.83	23.17
44	1633.00	1599.37	1623.90	1632.00	8.10	1605.65	26.35
45	1633.00	1593.60	1622.12	1631.78	9.66	1602.83	28.95
46	1633.00	1589.31	1620.61	1630.89	10.28	1600.87	30.02
47	1633.00	1589.13	1619.08	1630.33	11.25	1596.07	34.26
48	1633.00	1589.94	1617.84	1629.72	11.89	1592.70	37.02
49	1633.00	1589.64	1616.85	1629.48	12.63	1591.68	37.80
50	1632.95	1588.60	1615.68	1629.10	13.43	1590.67	38.43
51	1632.34	1588.08	1614.53	1628.17	13.65	1589.64	38.53
52	1631.37	1587.94	1613.22	1626.55	13.33	1589.09	37.46

Fig - 5.9: Weekly Reservoir Level: Tungabhadra Reservoir (Krishna Basin)

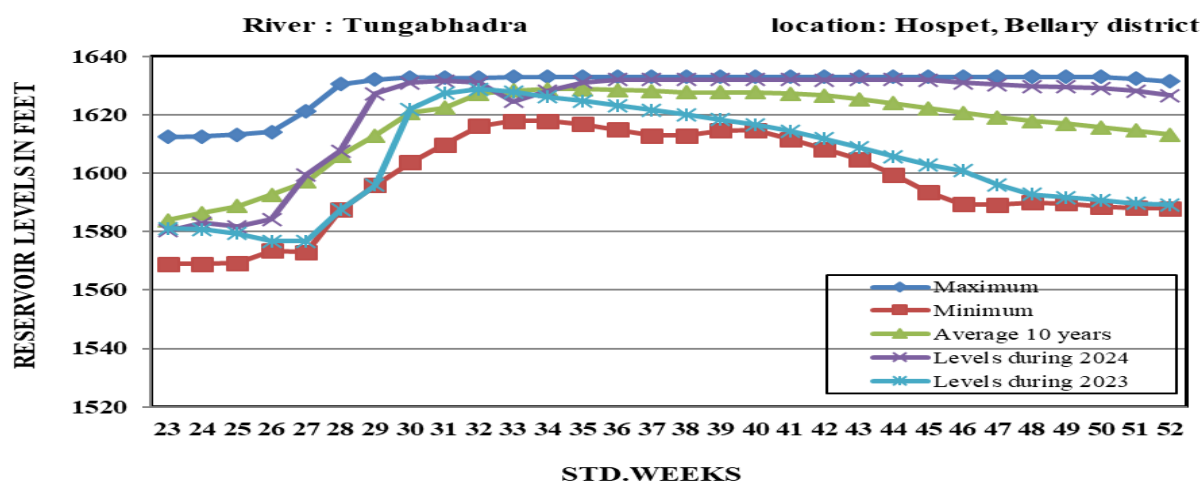


Table-3.10

Name of the Reservoir: (10) GHATAPRABHA
 Basin: KRISHNA GENERATION RESERVOIR
 Full Reservoir Level: 2175.11

Unit: in feet

Reservoir level (RL): above mean sea level

Std. Week No.	Reservoir Level information during			Levels during 2024	Difference in	Levels during 2023	Difference in RL of 2024 compared Maximum
	recent 10 years				RL of 2024		
	Maximum	Minimum	Average 10 years		compared to the		
					Average level		
23	2096.70	2067.28	2080.17	2095.83	15.66	2078.28	17.55
24	2098.96	2067.11	2081.41	2094.47	13.06	2077.93	16.53
25	2129.47	2066.66	2086.32	2095.65	9.33	2077.58	18.07
26	2134.60	2066.25	2091.11	2101.25	10.14	2077.23	24.02
27	2136.33	2069.18	2101.36	2123.80	22.44	2078.25	45.55
28	2139.88	2072.71	2117.49	2139.10	21.61	2089.07	50.03
29	2161.78	2110.05	2133.46	2158.55	25.09	2115.58	42.97
30	2172.86	2117.21	2146.57	2169.83	23.26	2150.95	18.88
31	2173.58	2121.05	2154.44	2171.00	16.56	2159.08	11.92
32	2175.00	2125.80	2162.72	2174.95	12.23	2165.42	9.53
33	2175.00	2129.43	2164.12	2175.00	10.88	2165.43	9.57
34	2175.00	2130.60	2164.35	2173.83	9.48	2163.02	10.81
35	2175.00	2130.20	2165.36	2174.42	9.06	2162.52	11.90
36	2175.00	2128.05	2166.16	2174.30	8.14	2162.85	11.45
37	2175.00	2127.71	2166.00	2174.58	8.59	2163.47	11.12
38	2175.00	2127.71	2164.59	2173.46	8.87	2166.80	6.66
39	2175.00	2127.70	2166.66	2174.83	8.17	2166.75	8.08
40	2175.00	2127.73	2167.07	2174.60	7.53	2170.75	3.85
41	2175.00	2128.15	2167.03	2174.80	7.77	2170.65	4.15
42	2175.00	2128.11	2166.84	2174.70	7.86	2167.37	7.33
43	2175.00	2127.93	2166.37	2174.75	8.38	2162.95	11.80
44	2175.00	2127.76	2165.98	2174.46	8.48	2161.55	12.91
45	2175.00	2127.58	2164.59	2174.58	9.99	2161.43	13.15
46	2175.00	2127.41	2163.01	2174.60	11.59	2161.32	13.28
47	2175.00	2123.38	2160.24	2174.60	14.36	2161.20	13.40
48	2174.61	2122.81	2158.10	2172.58	14.48	2161.08	11.50
49	2172.21	2116.35	2156.29	2168.65	12.36	2160.97	7.68
50	2168.65	2114.80	2155.42	2165.33	9.91	2160.85	4.48
51	2167.33	2114.56	2153.87	2164.60	10.73	2159.40	5.20
52	2164.92	2113.61	2150.66	2164.15	13.49	2158.47	5.68

Fig - 5.10: Weekly Reservoir Level: Ghataprabha Reservoir (Krishna Basin)
River : Ghataprabha
Location: Hidkal, Belgaum district

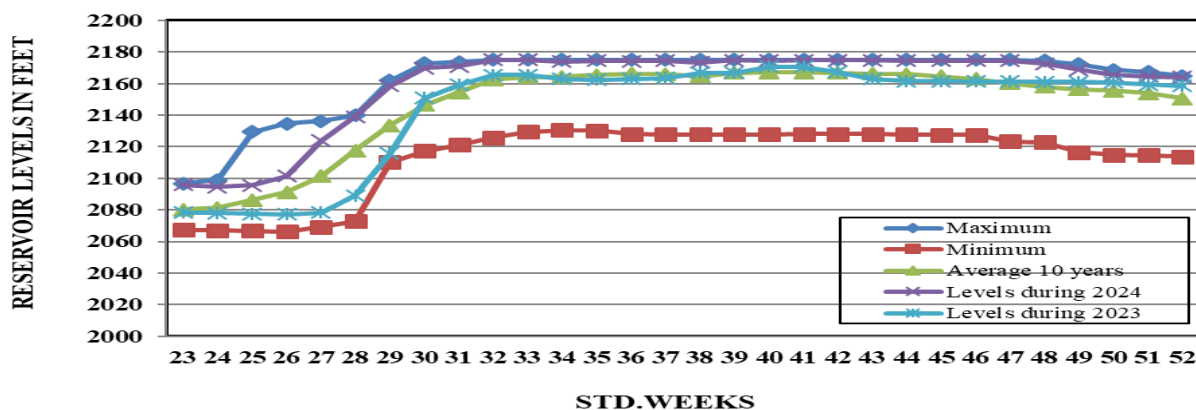


Table-3.11

Name of the Reservoir: (11) MALAPRABHA

Basin: KRISHNA GENERATION RESERVOIR

Full Reservoir Level: 2079.60

Unit: in feet

Reservoir level (RL): above mean sea level

Std. Week No.	Reservoir Level information during			Levels during 2024	Difference in	Levels during 2023.	Difference in RL of 2024 compared Maximum
	recent 10 years				RL of 2024		
	Maximum	Minimum	Average 10 years		compared to the		
					Average level		
23	2054.26	2033.30	2042.23	2042.68	0.45	2045.70	-3.02
24	2053.77	2032.88	2041.99	2042.40	0.41	2044.48	-2.08
25	2062.00	2032.39	2043.13	2042.12	-1.01	2044.00	-1.88
26	2062.75	2031.90	2043.97	2041.80	-2.17	2043.66	-1.86
27	2063.10	2033.55	2045.60	2050.70	5.10	2043.31	7.39
28	2064.00	2034.72	2049.93	2055.20	5.27	2042.96	12.24
29	2068.20	2042.75	2054.68	2063.40	8.72	2049.70	13.70
30	2074.10	2047.45	2059.27	2073.85	14.58	2062.70	11.15
31	2075.90	2051.60	2062.80	2076.25	13.45	2065.00	11.25
32	2077.00	2053.66	2066.60	2077.00	10.40	2066.80	10.20
33	2079.20	2053.80	2068.04	2077.10	9.06	2067.10	10.00
34	2079.50	2052.95	2068.56	2078.00	9.44	2067.20	10.80
35	2079.50	2054.20	2069.07	2078.50	9.43	2066.30	12.20
36	2079.50	2055.05	2069.36	2079.30	9.94	2065.80	13.50
37	2079.50	2055.18	2069.50	2079.50	10.00	2065.66	13.84
38	2079.50	2054.85	2069.50	2078.35	8.85	2065.44	12.91
39	2079.50	2054.70	2069.55	2077.80	8.25	2064.81	12.99
40	2079.50	2054.75	2069.87	2077.95	8.08	2064.11	13.84
41	2079.50	2055.42	2070.03	2079.50	9.47	2063.97	15.53
42	2079.50	2055.41	2069.88	2079.50	9.62	2063.33	16.17
43	2079.50	2055.33	2069.68	2079.50	9.82	2062.12	17.38
44	2079.50	2055.15	2069.22	2079.50	10.28	2061.93	17.57
45	2079.50	2054.92	2068.66	2079.40	10.74	2061.28	18.12
46	2079.50	2053.37	2067.93	2078.84	10.91	2060.49	18.35
47	2079.50	2049.66	2066.95	2078.13	11.18	2060.35	17.78
48	2079.00	2047.66	2065.58	2077.16	11.58	2060.21	16.95
49	2078.17	2047.47	2064.52	2076.14	11.62	2060.07	16.07
50	2077.17	2047.19	2063.46	2075.27	11.81	2059.93	15.34
51	2076.23	2046.87	2062.49	2074.29	11.80	2059.79	14.50
52	2074.96	2046.34	2061.56	2073.18	11.62	2059.44	13.74

Fig - 5.11: Weekly Reservoir Level: Malaprabha Reservoir (Krishna Basin)
River : Malaprabha **Location: Soundatti, Belgaum district**

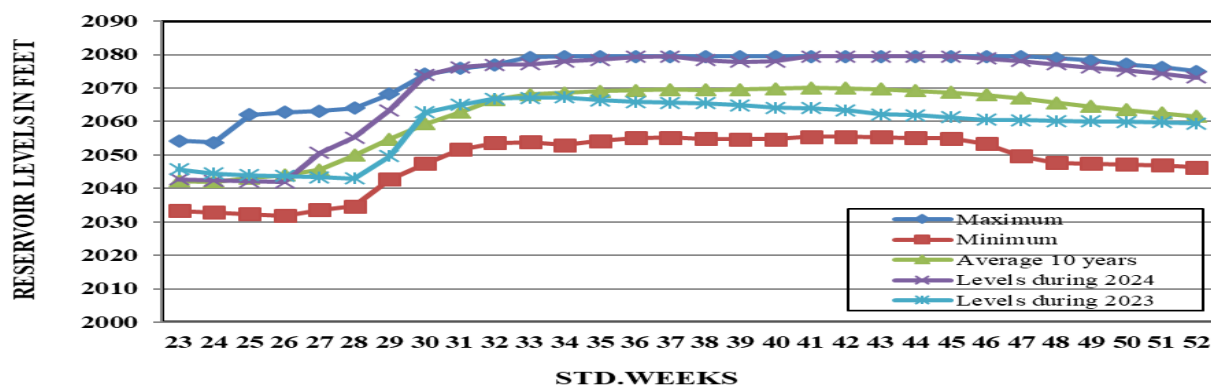


Table-3.12

Name of the Reservoir: (12) ALAMATTI

Basin: KRISHNA GENERATION RESERVOIR

Full Reservoir Level: 1704.81

Unit: in feet

Reservoir level (RL): above mean sea level

Std. Week No.	Reservoir Level information during			Levels during 2024	Difference in RL of 2024 compared to the Average level	Levels during 2023	Difference in RL of 2024 compared Maximum
	recent 10 years						
	Maximum	Minimum	Average				
			10 years				
23	1683.64	1652.38	1666.50	1666.88	0.37	1666.05	0.83
24	1683.84	1652.18	1666.88	1671.37	4.49	1665.60	5.77
25	1697.29	1654.44	1671.14	1673.96	2.83	1665.17	8.79
26	1697.72	1658.78	1674.80	1677.64	2.84	1664.81	12.83
27	1697.68	1664.48	1681.16	1690.14	8.98	1664.48	25.66
28	1699.07	1664.48	1688.96	1698.01	9.05	1668.61	29.40
29	1704.48	1681.61	1694.84	1698.54	3.70	1681.61	16.93
30	1704.81	1686.29	1699.63	1691.25	-8.37	1697.68	-6.43
31	1704.81	1689.72	1700.66	1694.40	-6.26	1703.56	-9.15
32	1704.81	1692.29	1701.92	1703.79	1.86	1704.64	-0.85
33	1704.81	1692.76	1702.79	1704.70	1.91	1704.70	0.00
34	1704.81	1692.21	1703.34	1704.51	1.17	1704.57	-0.07
35	1704.81	1691.33	1703.41	1703.56	0.15	1704.54	-0.98
36	1704.81	1688.94	1702.56	1704.31	1.75	1703.39	0.92
37	1704.81	1688.37	1702.60	1704.67	2.07	1703.10	1.57
38	1704.81	1690.73	1702.98	1704.67	1.69	1702.93	1.74
39	1704.81	1692.38	1702.95	1704.70	1.75	1701.84	2.86
40	1704.81	1691.81	1702.87	1704.70	1.83	1703.00	1.70
41	1704.81	1692.15	1702.71	1704.67	1.96	1703.26	1.41
42	1704.81	1690.80	1702.04	1704.64	2.60	1701.39	3.25
43	1704.81	1688.31	1700.88	1704.70	3.82	1698.99	5.71
44	1704.81	1686.45	1699.90	1704.64	4.74	1696.63	8.01
45	1704.81	1683.86	1699.01	1704.67	5.66	1694.50	10.17
46	1704.81	1681.54	1698.05	1704.24	6.19	1693.81	10.43
47	1704.81	1679.69	1697.37	1703.52	6.15	1692.56	10.96
48	1704.74	1676.69	1696.24	1702.74	6.50	1689.78	12.96
49	1703.79	1675.35	1695.61	1702.34	6.73	1688.43	13.91
50	1703.79	1673.92	1694.79	1701.06	6.27	1687.94	13.12
51	1703.06	1672.00	1693.68	1699.65	5.97	1687.38	12.27
52	1703.03	1671.84	1692.05	1699.52	7.47	1686.86	12.66

Fig - 5.12: Weekly Reservoir Level: Almati Reservoir (Krishna Basin)

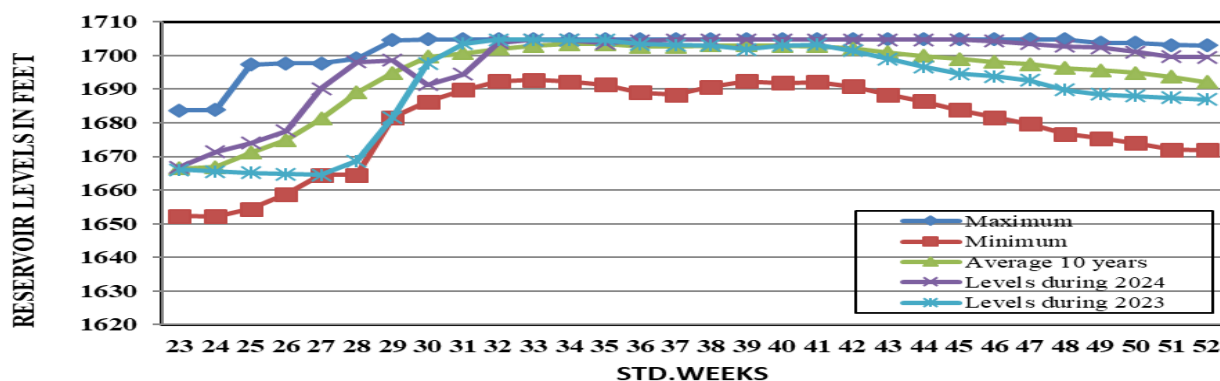


Table-3.13

Name of the Reservoir: (13) NARAYANAPURA

Basin: KRISHNA GENERATION RESERVOIR

Full Reservoir Level: 1615 .08

Unit: in feet
Reservoir level (RL): above mean sea level

Std. Week No.	Reservoir Level information during recent 10 years			Levels during 2024	Difference in RL of 2024 compared to the Average level	Levels during 2023	Difference in RL of 2024 compared Maximum
	Maximum	Minimum	Average 10 years				
23	1610.15	1590.16	1600.30	1603.82	3.52	1598.86	4.96
24	1610.05	1592.29	1600.49	1604.93	4.44	1598.41	6.52
25	1610.87	1594.27	1600.94	1604.97	4.03	1597.91	7.06
26	1610.91	1594.21	1601.29	1604.97	3.68	1597.55	7.41
27	1610.97	1593.90	1601.81	1604.97	3.16	1597.32	7.64
28	1613.17	1593.88	1603.53	1606.44	2.91	1597.13	9.32
29	1613.84	1597.09	1608.17	1610.94	2.77	1597.09	13.85
30	1614.12	1606.31	1611.74	1607.59	-4.14	1611.66	-4.07
31	1614.42	1607.30	1611.90	1610.71	-1.19	1612.68	-1.97
32	1615.00	1605.72	1611.82	1614.84	3.02	1614.48	0.36
33	1614.34	1607.79	1611.47	1614.97	3.50	1610.77	4.20
34	1614.61	1607.66	1612.76	1613.20	0.44	1607.66	5.54
35	1615.03	1605.00	1613.17	1611.99	-1.18	1605.00	6.99
36	1615.01	1609.04	1612.73	1613.56	0.83	1609.04	4.53
37	1614.91	1608.10	1612.49	1614.78	2.29	1608.67	6.11
38	1614.97	1609.85	1613.56	1614.97	1.42	1609.85	5.12
39	1615.04	1610.70	1613.71	1614.84	1.13	1612.64	2.20
40	1615.07	1608.22	1613.41	1614.97	1.56	1611.04	3.93
41	1614.94	1608.25	1612.67	1614.15	1.48	1610.38	3.77
42	1614.94	1607.53	1612.62	1613.99	1.37	1610.38	3.61
43	1615.07	1607.25	1612.97	1614.88	1.90	1612.02	2.86
44	1615.07	1607.06	1612.42	1614.94	2.52	1612.81	2.13
45	1615.07	1604.64	1610.77	1611.86	1.09	1612.02	-0.16
46	1614.09	1604.77	1610.04	1609.00	-1.03	1611.56	-2.56
47	1614.22	1598.50	1609.06	1610.97	1.91	1611.73	-0.75
48	1614.65	1599.19	1609.48	1611.14	1.66	1612.28	-1.14
49	1614.38	1601.13	1608.40	1612.15	3.75	1611.99	0.16
50	1612.81	1598.20	1607.67	1612.28	4.61	1609.07	3.21
51	1612.74	1598.44	1608.46	1611.59	3.13	1608.67	2.92
52	1612.81	1598.70	1609.39	1611.53	2.14	1607.72	3.81

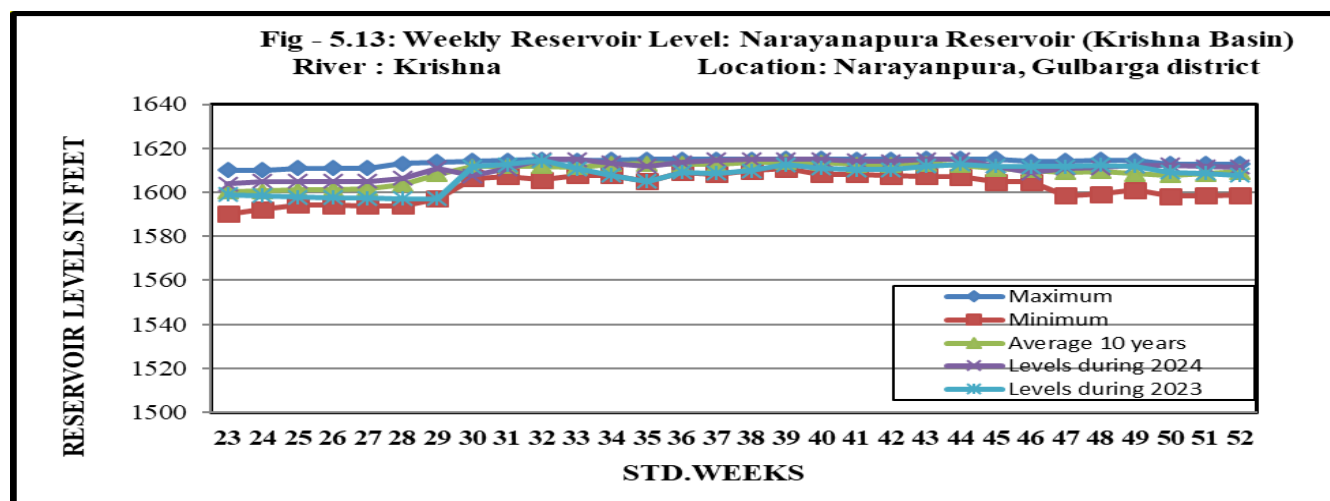


Table : (A)

MAJOR RESERVOIR LEVELS IN THE STATE

Units: in feet

Reservoir level (RL) above mean sea level

Sl. No.	Name of the Reservoir	Full Reservoir Level (FRL) feet above mean sea level	Reservoir level Information during recent 10 years (2013 to 2023) for the Annual (Water year) (01.06.2024 to 31.12.2024)			R.L. as on 01.06.2024	R.L. as on 31.12.2024	Increase/decrease in R.L. from 01.06.2024 to 31.12.2024	R.L. of 2021 compared to the Average R.L.	R.L. as on 31.12.2023	R.L. of 2024 compared to the R.L. of 2023.	Balance R.L. as on 31.12.2024
			Maximum	Minimum	Average							
1	2	3	4	5	6	7	8	9	10	11	12	13
(a) Hydel generation Reservoirs (Western Coast)												
1	Linganamakki	1819.00	1809.01	1775.93	1793.79	1745.60	1807.70	62.10	13.91	1780.25	27.45	-11.30
2	Supa	1850.48	1826.03	1757.26	1793.05	1731.84	1829.78	97.94	36.73	1782.44	47.34	-20.70
3	Varahi	1950.10	1932.55	1897.36	1915.95	1878.83	1939.50	60.67	23.54	1904.29	35.21	-10.60
(b) Reservoirs of Cauvery Basin:												
4	Harangi	2859.00	2856.87	2819.99	2842.17	2824.12	2834.55	10.43	-7.62	2830.67	3.88	-24.45
5	Hemavathi	2922.00	2917.40	2874.15	2899.85	2880.56	2905.30	24.74	5.45	2891.63	13.67	-16.70
6	K.R.S*	124.80	122.02	81.71	107.66	84.00	124.28	40.28	16.62	49.45	74.83	-0.52
7	Kabini	2284.00	2282.82	2264.25	2275.34	2260.50	2280.61	20.11	5.27	2273.26	7.35	-3.39
(c) Reservoirs of Krishna Basin:												
8	Bhadra	2158.00	2152.55	2114.81	2137.83	2089.25	2154.35	65.10	16.52	2123.37	30.98	-3.65
9	Tungabhadra	1633.00	1629.71	1597.62	1616.86	1577.40	1626.55	49.15	9.69	1589.09	37.46	-6.45
10	Ghataprabha	2175.00	2163.06	2112.83	2146.93	2102.18	2164.15	61.97	17.22	2158.47	5.68	-10.85
11	Malaprabha	2079.50	2074.43	2048.15	2062.12	2043.05	2073.18	30.13	11.06	2059.44	13.74	-6.32
12	Almatti	1704.81	1702.29	1679.93	1694.74	1666.48	1699.52	33.04	4.78	1686.86	12.66	-5.29
13	Narayanapura	1615.00	1613.78	1602.50	1609.31	1598.67	1611.53	12.86	2.22	1607.72	3.81	-3.47

NOTE : Maximum, Minimum and Average levels are calculate by considering 10 years data.**Source:** WRDO & KPCL, Govt. of Karnataka

4. Zonewise/ District-wise Status Of Minor Irrigation Tanks (Abstract)

Sl No.	DISTRICT	No Of Tanks	Full Capacity mcft.	Total atchkat area designed	No. of tanks not received water	30%	31-50%	51-99%	100%
1	2	3	4	5	6	7	8	9	10
(a)	<i>Minor Irrigation South Zone as on 31.12.2024</i>								
1	Bangalore Urban	46	1450	4725	0	9	7	16	14
2	Bangalore Rural	98	3107	9681	0	45	19	23	11
3	Ramanagara	101	4912	16365	0	42	9	29	21
4	Kolar	143	5182	12197	0	102	24	12	5
5	Chikkaballapura	203	7954	27191	0	79	70	31	23
6	Tumkur	426	17326	38771	10	126	72	115	103
7	Chitradurga	185	9148	22327	2	28	39	63	53
8	Davanagere	82	5119	9214	0	3	19	60	0
9	Shivamoga	306	3556	22981	0	2	4	300	0
10	Mysore	50	1116	6781	0	5	5	39	1
11	Chamarajnagar	65	2365	13347	9	9	11	13	23
12	Mandya	48	1232	4319	0	8	2	15	23
13	Hassan	168	4946	12300	0	15	28	75	50
14	Chikkamagalur	127	4267	16901	0	5	3	47	72
15	Dakshina Kannada	2	7	131	0	0	0	2	0
16	Udupi	4	42	283	0	0	0	0	4
17	Kodagu	29	509	1948	0	0	0	0	29
	<i>Total</i>	2083	72238	219460	21	478	312	840	432
(b)	<i>Minor Irrigation North Zone as on 31.12.2024</i>								
1	Belgaum	290	3237	30813	17	42	50	166	15
2	Vijayapura	157	3635	23384	11	20	20	96	10
3	Bagalkote	69	1838	12429	6	18	11	31	3
4	Dharwad	112	1739	14076	0	0	0	112	0
5	Gadag	32	1377	7741	0	4	11	15	2
6	Haveri	264	4010	23247	0	0	23	161	80
7	Uttara kannada	91	1773	13755	0	0	0	91	0
8	Kalaburagi	169	4954	28996	1	5	18	139	6
9	Yadgiri	71	2777	6549	3	0	0	68	0
10	Bidar	125	2958	21494	2	11	14	58	40
11	Ballari	36	766	3417	0	9	0	27	0
12	Vijayanagar	84	3450	13367	0	0	23	61	0
13	Koppala	122	1937	15837	3	0	33	74	12
14	Raichur	73	1789	8779	3	0	50	20	0
31	<i>Total</i>	1695	36240	223883	46	109	253	1119	168
	<i>State Total (a & b)</i>	3778	108478	443343	67	587	565	1959	600

The above table shows the status of the Minor Irrigation (MI) Tanks in the State.

The Southern zone (comprises 17 Districts). There are 2083 MI tanks in the Southern zone Districts. 432 Tanks in this zone are filled upto their full capacity as on 31st December 2024. **The Northern zone** (comprises 14 Districts). There are 1695 MI tanks in the Northern zone Districts. 168 tanks are filled upto their full capacity as on 31st December 2024. Out of total 3778 MI tanks in the state, only 68% of the tanks had storages more than 50% of their respective capacity, 30% of the tanks were 30% to 50% storages of their respective capacity and the remaining 2% of the tanks are dry or having insignificant storage.

5. MONITORING OF SEISMIC ACTIVITY IN THE STATE

Earthquakes are one of the most costliest natural hazards faced by the entire human & living kind, posing a significant risk. The risks that earthquakes pose to the society, including death, injury, and economic loss, can be greatly reduced by better planning, construction, and mitigation practices before earthquakes happen and providing critical and timely information to improve response after they occur.

The disastrous earthquake in Killari in the early hours of September 30, 1993 caused considerable damages especially in the districts of Bidar, Gulbarga and Vijayapura. The faults, shear zones and lineaments in Karnataka are considered to be potential risk zones of the Killari type of earthquakes which also caused damages in the adjacent villages of Karnataka.

In Historical years, the earthquakes were detected from the World Wide Seismic Stations Network (WWSSN) & United States Geological Survey (USGS). However, these stations are quite distant from the Peninsular India and hence were difficult to detect earthquakes with magnitudes less than 3.0. The lower magnitude earthquakes (2.0 and below) were reported by the local communities and recorded by the BARC seismic station (specially designed array of seismometers to detect nuclear explosions) at Gauribidanur but the location of these earthquakes are incomplete and highly biased as the tremors do not occur in the vicinity of this station.

The importance of seismological studies lies in the fact that information generated can be used to mitigate the earthquake hazards. Preparation of Seismo tectonic/seismic zonation maps is the first step in this direction. The basic data required for the preparation of these maps are:

- (i) A carefully compiled earthquake catalogue incorporating details about magnitude, location of epicenter, depth of focus etc.,
- (ii) Delineation of seismic source zones from all possible sources like recurrence relation, tectono-geological consideration, paleo-seismicity etc.,
- (iii) Estimation of upper bound magnitude through statistical procedure, cumulative Seismic energy release, active fault length etc., and
- (iv) Attenuation of ground shaking for better results.

Karnataka State Natural Disaster Monitoring Centre (KSNDMC) is the nodal agency in the State for monitoring of seismic activity. Scientific approaches currently adopted worldwide to enhance our resilience to the Earthquake hazard are of two types.

- The first is aimed at providing long term protection to life and property and involves estimation of the earthquake hazard in different areas of a region and its translation into engineering aspects for earthquake resistant structures and land use patterns in the area.
- The second adopted with the first is to keep a constant vigil on the evolving character of ground motion records emitted by small earthquakes from a wide area.

Taking these into considerations, KSNDMC has set up a GPRS Enabled & Solar Powered Permanent Seismic Monitoring Stations (PSMS) Network in Karnataka at 15 locations. The present setup of Stations established are equipped with the state-of-the-art solar powered VSAT technology which includes a Broadband Seismometer, Strong Motion Accelerograph and a Digitizer synchronised with

GPS along with associated accessories and GPRS Connectivity for data transmission to the Master Control Centre (MCC) at KSNDMC, Bengaluru on real time basis.

Table 75.1: Permanent Seismic Monitoring Observatories installed by KSNDMC

Sl. No.	District	Location of the Site
01.	Kalaburgi	Sharana Sirasagi Village-12 km from Gulbarga on Afzalpur Road
02.	Raichur	In the Permanent Observatory of KSNDMC, premises of Science Education Trust, Mantralaya Road
03.	Bellary	In the Permanent Observatory of KSNDMC, premises of T. B. Dam Site
04.	Vijayapura	In the existing Almatti Dam Site observatory
05.	Belagavi	In the existing Hidkal Dam Site observatory
06.	Uttara Kannada	In the existing Supa Dam Site observatory
07.	Shivamogga	In the existing Talakalale Dam Site observatory
08.	Hassan	In the existing Hemavathi Dam Site observatory
09.	Mandya	In the Permanent Observatory of KSNDMC, premises of K.R.S. Dam site
10.	Bangalore South	In the premises of T.G. Halli Dam site at the existing old I.B
11.	Kodagu	In the premises of Harangi Dam site at the existing Seismological Observatory, 11 kms from Kushalnagar
12.	Udupi	In the Premises of Zonal Agricultural & Horticultural Research Station, Brahmavara Taluk
13.	Bangalore North	In the premises of KSNDMC Campus

Table 7.2: Temporary Seismic Monitoring Observatories installed by KSNDMC

Sl. No.	District	Location of the Site
01.	Kalaburgi	Gadikeshwar GP Premises, Chinchodi Taluk
02.	Vijayapura	Ukkali GP Premises, Basavana Bagewadi Taluk

Table 7.3: Earthquakes recorded & reported by PSMS Network of Karnataka during 2024

Sl. No.	Duration	Local	Regional	Teleseismic	Total
01.	January	3	Nil	Nil	3
02.	February	Nil	Nil	Nil	Nil
03.	March	1	Nil	Nil	1
04.	April	Nil	Nil	Nil	Nil
05.	May	Nil	Nil	Nil	Nil
06.	June	Nil	Nil	Nil	Nil

Sl. No.	Duration	Local	Regional	Teleseismic	Total
07.	July	Nil	Nil	Nil	Nil
08.	August	1	Nil	Nil	1
09.	September	Nil	Nil	Nil	Nil
10.	October	Nil	Nil	Nil	Nil
11.	November	1	Nil	Nil	1
12.	December	Nil	Nil	Nil	Nil
Total Earthquakes		06	Nil	Nil	06