

# RAINFALL, AGRICULTURAL SITUATION, MOISTURE INDEX, RESERVOIR LEVELS, MINOR IRRIGATION, IN KARNATAKA – 2022

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## 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 **2022**, the **State** as a whole recorded **1474 mm** of rainfall as against the Normal Annual rainfall of **1153 mm** with a departure from Normal being (+) **28%**. Thus the Annual rainfall over the State is considered as **Excess** Rainfall. Among the **31** Districts, **31** Districts recorded **Normal to Large Excess** rainfall.

During the **Pre-Monsoon 2022**, the State has recorded **238 mm** of rainfall as against the Normal rainfall of **120 mm** showing (99) % departure from Normal. Therefore, the Pre-Monsoon rainfall is considered as **Large Excess** in the State. Among the **31** Districts, **31** Districts recorded **Normal to Large Excess** rainfall.

During the **South-West Monsoon 2022**, the State has recorded **1019 mm** of rainfall as against the Normal rainfall of **852 mm** showing (+) **20%** departure from Normal. Thus, the South-West Monsoon rainfall is considered as **Excess** in the State. Among the **31** Districts, **30** Districts recorded **Normal to Large Excess** rainfall and **1** District recorded **Deficit** rainfall.

During the **North-East Monsoon 2022**, the State has recorded **217 mm** of rainfall as against the Normal rainfall of **182 mm** showing (+) **19%** departure from Normal. Thus, the North-East Monsoon rainfall is considered as **Normal** in the State. Among the **31** Districts, **30** Districts recorded **Normal to Large Excess** rainfall and **1** District 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 2022

During 2022, the State received a total rainfall of **1,474 mm** (Avg. Wt %) out of which the **Pre-Monsoon season** contributed **16%** (**238 mm**), the **South-West Monsoon** season contributed **69%** (**1019 mm**) and the **North-East Monsoon** season contributed **15%** (**217 mm**) to the Annual rainfall of the State.

Rainfall distribution during different seasons of 2022 in different met divisions of the State is as below:

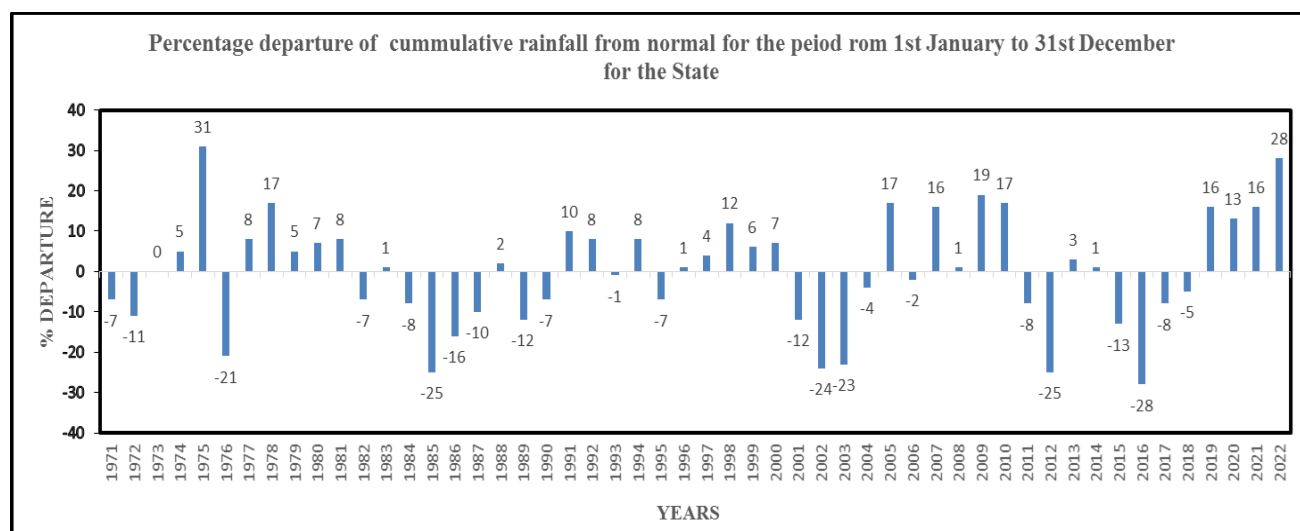
Region/ State	Pre-Monsoon			South-West			North -East			Annual		
	Normal (mm)	Actual (mm)	Dep (%)	Normal (mm)	Actual (mm)	Dep (%)	Normal (mm)	Actual (mm)	Dep (%)	Normal (mm)	Actual (mm)	Dep (%)
1.SIK	143	284	98	369	660	79	202	302	50	714	1246	75
2.NIK	83	153	83	479	602	26	140	160	15	702	915	30
3.MALNAD	168	355	112	1556	1725	11	226	223	-1	1950	2303	18
4.COASTAL	158	341	115	3101	3107	0	259	224	-14	3518	3672	4
STATE	120	238	99	852	1019	20	182	217	19	1153	1474	28

The comparison of Zone-wise rainfall pattern during Annual 2022 with the rainfall of the last 4 years is as follows:

Region/State	Normal (mm)	2018		2019		2021		2021		2022	
		Actual (mm)	Dep (%)	Actual (mm)	Dep (%)	Actual (mm)	Dep (%)	Actual (mm)	Dep (%)	Actual (mm)	Dep (%)
SIK	714	687	-4	828	16	869	22	1050	47	1246	75
2.NIK	702	469	-33	746	6	882	26	780	11	915	30
3.MALNAD	1950	2303	18	2302	18	1827	-6	2100	8	2303	18
4.COASTAL	3518	3603	2	4359	24	3936	12	3784	8	3672	4
State	1153	1094	-5	1337	16	1307	13	1337	16	1474	28

The percentage departure of rainfall from Normal during 2022 is (+) **28%** 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 2022 is (+) **28%** which is **more** than the corresponding period of the last year.

District wise rainfall pattern during the Year 2022 is given in the following Table.

Sl. No.	District	Normal (mm)	Actual (mm)	Departure (%)
1	Mandya	699	1484	112
2	Tumakuru	669	1358	103
3	Bengaluru Rural	798	1498	88
4	Ramanagara	840	1512	80
5	Davanagere	659	1162	76
6	Bengaluru Urban	846	1456	72
7	Kolar	735	1250	70
8	Gadag	624	995	60
9	Mysuru	837	1318	57
10	Chitradurga	540	839	55
11	Chikkaballapura	736	1134	54
12	Hassan	1142	1701	49
13	Chamarajanagara	787	1159	47
14	Belagavi	826	1194	45
15	Vijayanagar	643	927	44
16	Bagalkote	582	807	39
17	Dharwad	787	1051	34
18	Ballari	599	795	33
19	Yadgir	719	933	30
20	Vijayapura	591	760	29
21	Haveri	800	1023	28
22	Chikkamagaluru	1833	2278	24
23	Raichur	654	805	23
24	Koppala	614	744	21
25	Bidar	838	952	14
26	Kodagu	2729	3036	11
27	Kalaburagi	770	847	10
28	Dakshina Kannada	4006	4383	9
29	Shivamogga	2325	2439	5
30	Udupi	4535	4672	3
31	Uttara Kannada	2936	2981	2
	<b>STATE</b>	<b>1153</b>	<b>1474</b>	<b>28</b>

<b>Large Excess (&gt;=60%)</b>	7 Districts
<b>Excess (+20 to +59%)</b>	17 Districts
<b>Normal (-19 to +19%)</b>	7 Districts

<b>Deficit (-20 to -59%)</b>	Nil
<b>Large Deficit (-60 to -99%)</b>	Nil
<b>No rain (&lt;=-100%)</b>	Nil

During the preceding year (2021) the Annual rainfall was **Large Excess** in 4 Districts **Excess** in 9 Districts and **Normal** in 18 Districts.

Taluk wise Annual Rainfall pattern of 2022 is given in the following table (**Total 227 Taluks in the State**):

<b>Large Excess (&gt;=60%)</b>	68 Taluks
<b>Excess (+20 to +59%)</b>	95 Taluks
<b>Normal (-19 to +19%)</b>	64 Taluks
<b>Deficit (-20 to -59%)</b>	Nil
<b>Large Deficit (-60 to -99%)</b>	Nil
<b>No rain (&lt;=-100%)</b>	Nil

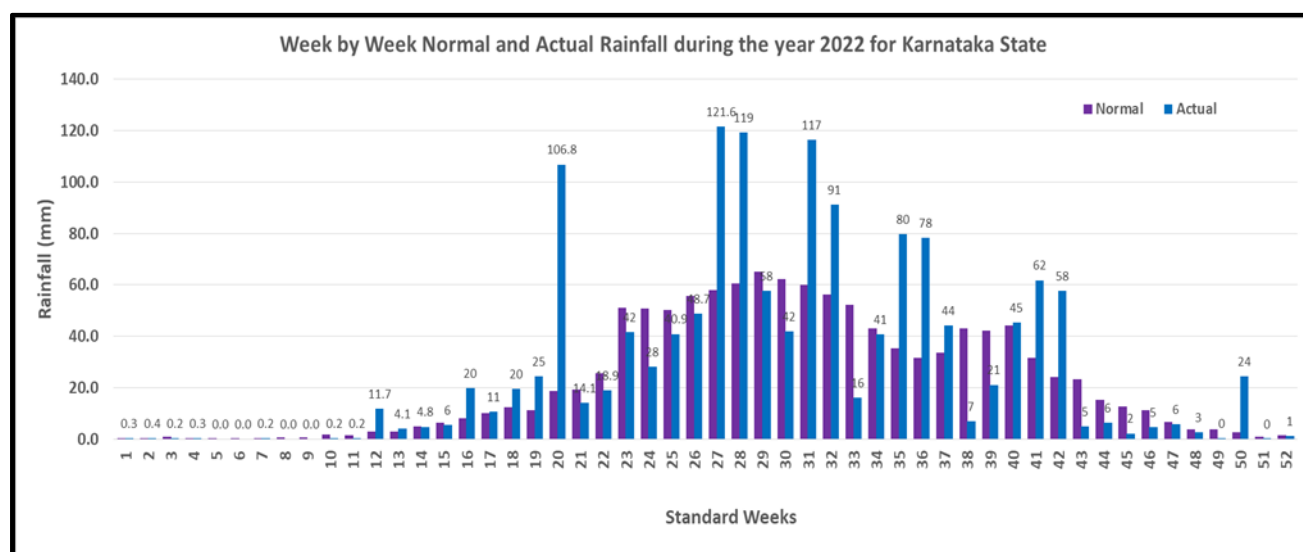
During the preceding year (2021) the Annual rainfall was **Large Excess** in 20 Taluks, **Excess** in 95 Taluks, **Normal** in 110 Taluks and **Deficit** in 2 Taluks.

Hobli wise Rainfall pattern during 2022 is given in the following table (**Total 850 Hoblis in the State**):

<b>Large Excess (&gt;=60%)</b>	341 Hoblis
<b>Excess (+20 to +59%)</b>	284 Hoblis
<b>Normal (-19 to +19%)</b>	217 Hoblis
<b>Deficit (-20 to -59%)</b>	8 Hoblis
<b>Large Deficit (-60 to -99%)</b>	Nil
<b>No rain (&lt;=-100%)</b>	Nil

During the preceding year (2021) the annual rainfall **Large Excess** in 320 Hoblis, **Excess** in 373 Hoblis, **Normal** in 24 Hoblis and **Deficit** in 1 Hobli.

**Weekly Rainfall pattern for the State during 2022 is given in the following Figure 1.2.**



### 1.3 Rainfall in 4 meteorological sub-Divisions of the State during 2022.

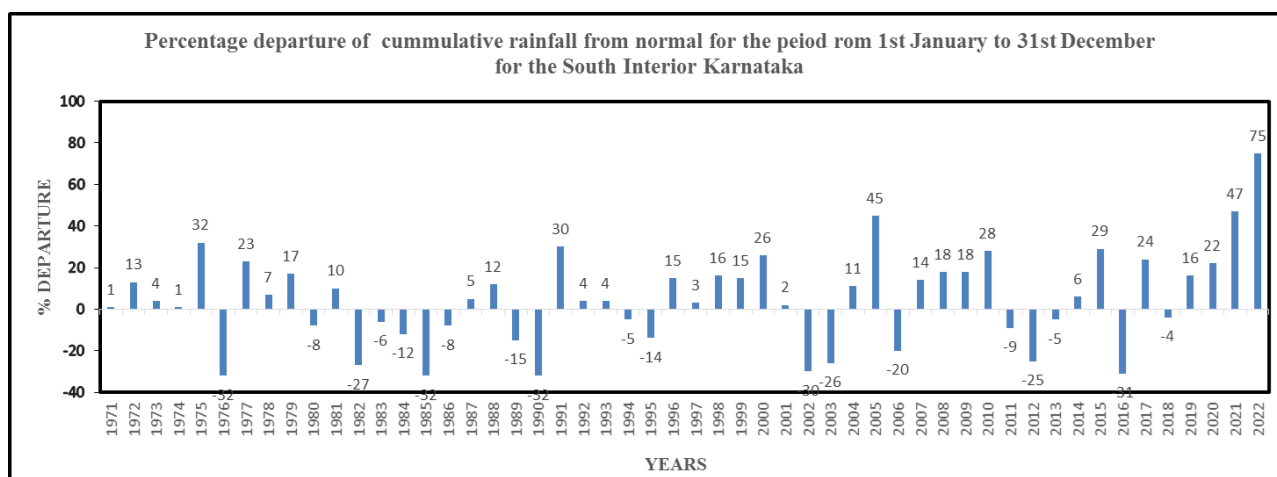
#### 1.3.1 South-Interior Karnataka (SIK):

During 2022, the Annual rainfall was **Large Excess** in **Bengaluru Rural, Bengaluru Urban, Davanagere, Kolar, Mandya and Tumakuru** Districts, **Excess** in **Chamarajanagara, Chitradurga, Chikkaballapura, Ramanagara, and Mysuru** Districts. During the preceding year (2021), the Annual rainfall was **Large Excess** in **4** Districts, **Excess** in **5** Districts and **Normal** in **2** Districts.

Among the **67** Taluks in **SIK**, the Annual rainfall was **Large Excess** in **43** Taluks, **Excess** in **22** Taluks and **Normal** in **2** Taluks. During the preceding year (2021), the Annual rainfall was **Large Excess** in **15** Taluks, **Excess** in **39** Taluks and **Normal** in **13** Taluks.

Among the **336** Hoblis in **SIK**, the Annual rainfall was **Large Excess** in **249** Hoblis, **Excess** in **84** Hoblis and **Normal** in **3** Hoblis. During the preceding year (2021), the Annual rainfall was **Large Excess** in **108** Hoblis, **Excess** in **166** Hoblis and **Normal** in **62** 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 2022, the **South-Interior Karnataka** recorded a rainfall **75% more** than the Normal which is **Highest** in the last **51** years.

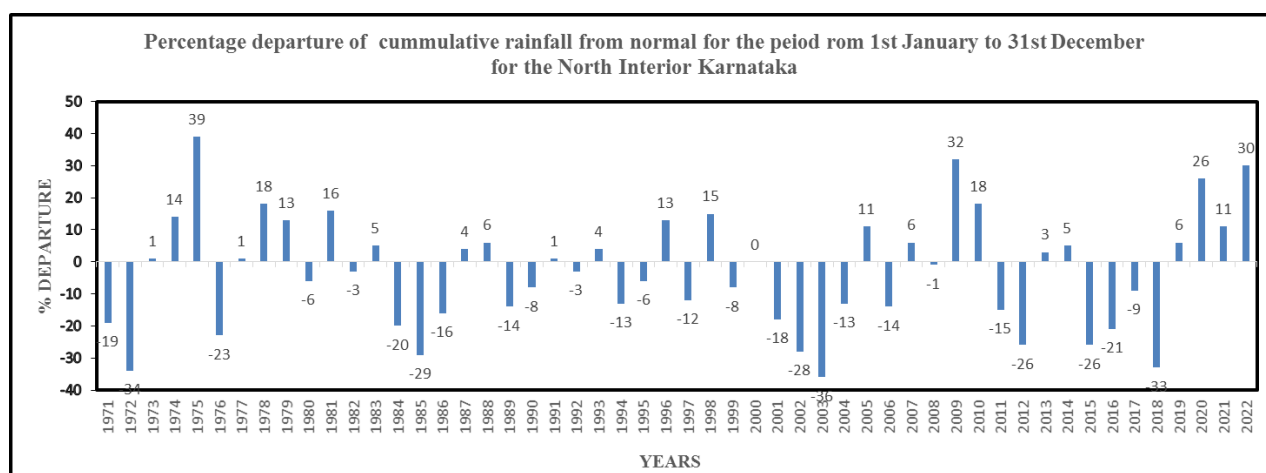
#### 1.3.2 North-Interior Karnataka (NIK):

During 2022, the Annual rainfall was **Large Excess** in **Gadag** District, **Excess** in **Bagalkote, Ballari, Belagavi, Dharwad, Koppala, Haveri, Raichur, Vijayanagara, Vijayapura** and **Yadgir** Districts and **Normal** in **Bidar** and **Kalaburagi** Districts. During the preceding year (2021), the Annual rainfall was **Excess** in **4** Districts and **Normal** in **9** Districts.

Among the **108** Taluks, the Annual rainfall was **Large Excess** in **19** Taluks, **Excess** in **52** Taluks, and **Normal** in **37** Taluks. During the preceding year (2021), the Annual rainfall was **Large Excess** in **1** Taluk, **Excess** in **36** Taluks, **Normal** in **69** Taluks and **Deficit** in **2** Taluks.

Among the **316** Hoblis, the Annual rainfall was **Large Excess** in **47** Hoblis, **Excess** in **150** Hoblis, **Normal** in **118** Hoblis and **Deficit** in **1** Hobli. During the preceding year (2021), the Annual rainfall was **Large Excess** in **5** Hoblis, **Excess** in **90** Hoblis, **Normal** in **205** Hoblis and **Deficit** in **16** 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 2022, the **North-Interior Karnataka** recorded a rainfall **30% more** than the Normal which is **more** than the corresponding period from the **last** year.

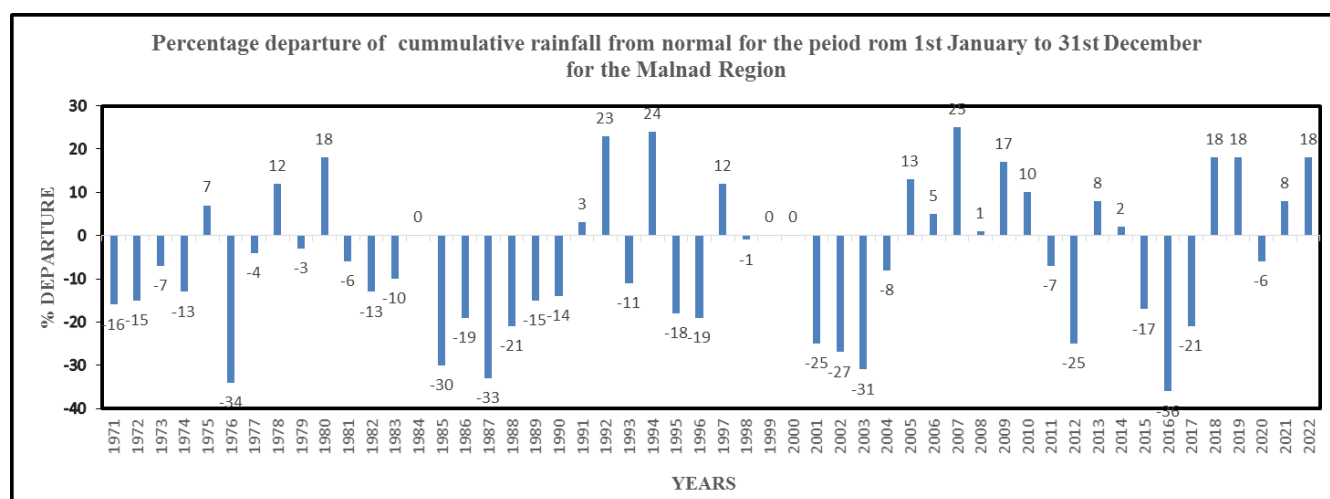
### 1.3.3 Malnad Region:

During 2022, the Annual rainfall was Excess in **Chikkamagaluru** and **Hassan** Districts and **Normal** in **Kodagu** and **Shivamogga** Districts. During the preceding year (2021), the Annual rainfall was **Normal** in 4 Districts.

Among the **26** Taluks, the Annual rainfall was **Large Excess** in 6 Taluks, **Excess** in 16 Taluks and **Normal** in 4 Taluks. During the preceding year (2021), the Annual rainfall was **Large Excess** in 4 Taluks, **Excess** in 12 Taluks and **Normal** in 10 Taluks.

Among the **131** Hoblis, the Annual rainfall was **Large Excess** in 45 Hoblis, **Excess** in 40 Hoblis, **Normal** in 42 Hoblis and **Deficit** in 4 Hoblis. During the preceding year (2021), the Annual rainfall was **Large Excess** in 18 Hoblis, **Excess** in 52 Hoblis, **Normal** in 54 Hoblis, **Deficit** in 6 Hoblis and **Large Deficit** in 1 Hobli.

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 2022, the Malnad Region recorded a rainfall **18% more** than the Normal, which is **more** than the corresponding period from the **last** year.

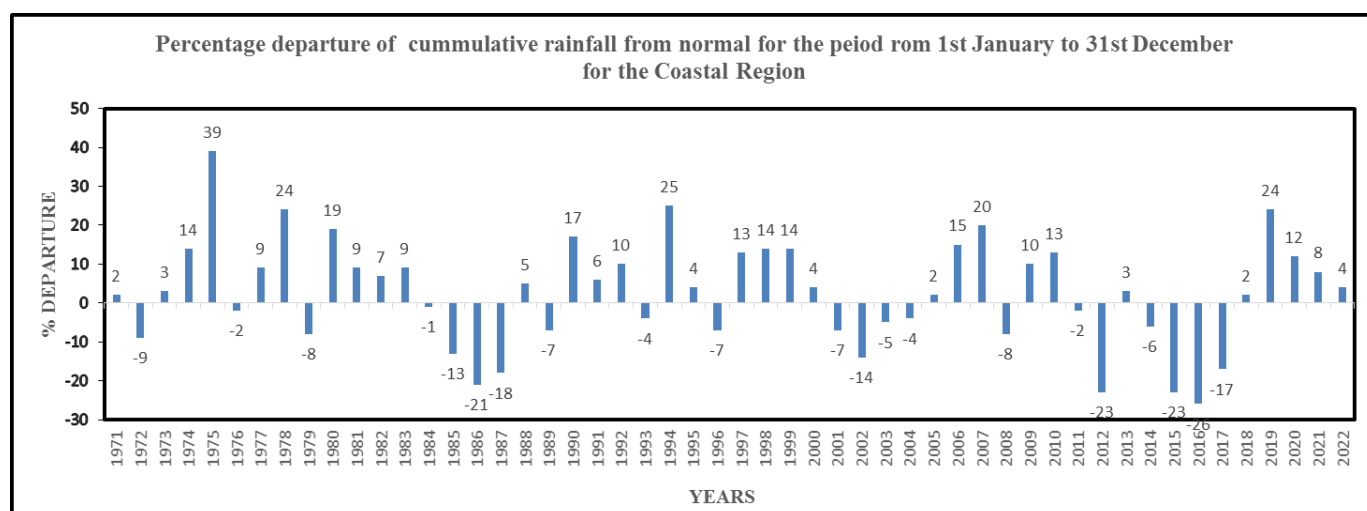
### 1.3.4 Coastal Region:

During 2022, the Annual rainfall was **Normal** in **Dakshina Kannada, Udupi and Uttara Kannada** Districts. During the preceding year (2021), the Annual rainfall was **Normal** in **3** Districts.

Among the **26** Taluks, the Annual rainfall was **Excess** in **5** Taluks and **Normal** in **21** Taluks. During the preceding year (2021), the Annual rainfall was **Excess** in **8** Taluks and **Normal** in **18** Taluks.

Among the **67** Hoblis, the Annual rainfall was **Excess** in **10** Hoblis, **Normal** in **54** Hoblis and **Deficit** in **3** Hoblis. During the preceding year (2021), the Annual rainfall was **Large Excess** in **1** Hobli, **Excess** in **12** Hoblis, **Normal** in **52** Hoblis and **Deficit** in **2** Hoblis.

**Percentage departure of the Annual rainfall from Normal in Coastal Region since 1970 is given in the following Figure 1.6:**



The figure shows that, during 2022, the **Coastal Region** recorded a rainfall **4% more** than the Normal and which is **less** than the corresponding period of the **last** year.

**Number of Taluks falling under different Rainfall Categories during 2022 and 2021.**

Division	Total No Taluks	Large Excess		Excess		Normal		Deficit		Large Deficit		No Rain	
		2022	2021	2022	2021	2022	2021	2022	2021	2022	2021	2022	2021
1.SIK	67	43	15	22	39	2	13	0	0	0	0	0	0
2.NIK	108	19	1	52	36	37	69	0	2	0	0	0	0
3.MALNAD	26	6	4	16	12	4	10	0	0	0	0	0	0
4.COASTAL	26	0	0	5	8	21	18	0	0	0	0	0	0
State	227	68	205	95	95	64	110	0	2	0	0	0	0

**Table: 1.1: District / Taluk / Hobli / Region rainfall Pattern in Karnataka State during 2022.**

District/Taluk/Hobli	Annual Rainfall 2022 (1 <sup>st</sup> January to 31 <sup>st</sup> December)			
	Normal (mm)	Actual (mm)	%DEP	Class
<b>BENGALURU URBAN</b>	<b>846</b>	<b>1456</b>	<b>72</b>	<b>LE</b>
<b>Anekal</b>	<b>902</b>	<b>1427</b>	<b>58</b>	<b>E</b>
Anekal_1	902	1387	54	<b>E</b>
Attibele_1	824	1215	48	<b>E</b>
Jigani_1	845	1445	71	<b>LE</b>
Sarjapura_1	748	1438	92	<b>LE</b>
Anekal_2	881	1473	67	<b>LE</b>
Jigani_2	865	1625	88	<b>LE</b>
Attibele_2	857	1418	66	<b>LE</b>
Sarjapura_1	855	1507	76	<b>LE</b>
Sarjapura_3	814	1225	51	<b>E</b>
<b>Bengaluru North</b>	<b>1004</b>	<b>1383</b>	<b>38</b>	<b>E</b>
Bengaluru North_1	1004	1401	39	<b>E</b>
Dasanapura_1	896	1407	57	<b>E</b>
Yashavantapura_1	819	1249	53	<b>E</b>
Bengaluru North_2	854	1254	47	<b>E</b>
Yashavantapura_2	866	1369	58	<b>E</b>
Dasanapura_2	872	1443	65	<b>LE</b>
Dasanapura_3	900	1428	59	<b>E</b>
<b>Bengaluru South</b>	<b>820</b>	<b>1495</b>	<b>82</b>	<b>LE</b>
Beguru_3	820	1477	80	<b>LE</b>
Kengeri_1	905	1581	75	<b>LE</b>
Tavarekere_1	734	1586	116	<b>LE</b>
Uttarahalli_4	905	1608	78	<b>LE</b>
Uttarahalli_1	886	1349	52	<b>E</b>
Uttarahalli_2	872	1531	76	<b>LE</b>
Uttarahalli_3	863	1628	89	<b>LE</b>
Uttarahalli_5	941	1331	41	<b>E</b>
Beguru_1	912	1438	58	<b>E</b>
Beguru_2	875	1371	57	<b>E</b>
Kengeri_2	878	1580	80	<b>LE</b>
Kengeri_3	860	1434	67	<b>LE</b>
Kengeri_4	852	1547	82	<b>LE</b>
Tavarekere_2	961	1336	39	<b>E</b>
Tavarekere_3	871	1555	79	<b>LE</b>
<b>Bengaluru East</b>	<b>815</b>	<b>1424</b>	<b>75</b>	<b>LE</b>
Mahadevpura_1	815	1104	35	<b>E</b>
Bidarahalli_2	828	1320	59	<b>E</b>
Varturu_1	818	1589	94	<b>LE</b>



District/Taluk/Hobli	Annual Rainfall 2022 (1 <sup>st</sup> January to 31 <sup>st</sup> December)			
	Normal (mm)	Actual (mm)	%DEP	Class
K R Pura_2	855	1229	44	<i>E</i>
K R Pura_3	827	1407	70	<i>LE</i>
Varturu_2	881	1398	59	<i>E</i>
Bidarahalli_1	821	1450	77	<i>LE</i>
Mahadevapura_2	882	1134	29	<i>E</i>
Marathahalli	891	1839	106	<i>LE</i>
Bidharahalli_3	799	1612	102	<i>LE</i>
<b>Yelahanka</b>	<b>752</b>	<b>1543</b>	<b>105</b>	<i>LE</i>
Yelahanka_1	752	1548	106	<i>LE</i>
Yelahanka_2	785	1279	63	<i>LE</i>
Yelahanka_3	801	1307	63	<i>LE</i>
Jala_1	760	1583	108	<i>LE</i>
Jala_2	763	1581	107	<i>LE</i>
Jala_3	781	1586	103	<i>LE</i>
Hesarughatta_1	746	1481	99	<i>LE</i>
Hesarughatta_2	781	1668	114	<i>LE</i>
<b>BENGALURU RURAL</b>	<b>798</b>	<b>1498</b>	<b>88</b>	<i>LE</i>
<b>Devanahalli</b>	<b>808</b>	<b>1505</b>	<b>86</b>	<i>LE</i>
Devanahalli	808	1398	73	<i>LE</i>
Channarayapatna	796	1656	108	<i>LE</i>
Kundana	786	1445	84	<i>LE</i>
Vijayapura	787	1556	98	<i>LE</i>
<b>DODDABALLAPURA</b>	<b>799</b>	<b>1581</b>	<b>98</b>	<i>LE</i>
Dodballapur	799	1490	87	<i>LE</i>
Dodda Belavangala	792	1670	111	<i>LE</i>
Madure	812	1684	107	<i>LE</i>
Sasalu	709	1537	117	<i>LE</i>
Tubagere	787	1559	98	<i>LE</i>
<b>HOSAKOTE</b>	<b>857</b>	<b>1349</b>	<b>57</b>	<i>E</i>
Hosakote	857	1257	47	<i>E</i>
Anugondhalli	731	1315	80	<i>LE</i>
Jadigenhalli	796	1431	80	<i>LE</i>
Nandagudi	777	1235	59	<i>E</i>
Sulibele	803	1491	86	<i>LE</i>
<b>Nelamangala</b>	<b>954</b>	<b>1516</b>	<b>59</b>	<i>E</i>
Nelamangala	954	1468	54	<i>E</i>
Sompura	794	1417	79	<i>LE</i>
Tyamagondal	877	1652	88	<i>LE</i>
Nelamangala_2	891	1460	64	<i>LE</i>
Sompura_2	827	1444	75	<i>LE</i>
Tyamagondal_2	870	1707	96	<i>LE</i>

District/Taluk/Hobli	Annual Rainfall 2022 (1 <sup>st</sup> January to 31 <sup>st</sup> December)			
	Normal (mm)	Actual (mm)	%DEP	Class
<b>RAMANAGARA</b>	<b>840</b>	<b>1512</b>	<b>80</b>	<b>LE</b>
<b>Channapatna</b>	<b>861</b>	<b>1581</b>	<b>83</b>	<b>LE</b>
Channapatna	861	1661	93	LE
Maluru	843	1521	80	LE
Virupakshipura	843	1582	88	LE
<b>Kanakapura</b>	<b>797</b>	<b>1438</b>	<b>81</b>	<b>LE</b>
Kanakapura	797	1580	98	LE
Dodda Maralavadi	828	1656	100	LE
Harohalli	845	1725	104	LE
Kodihalli	802	1354	69	LE
Satnuru	798	1400	75	LE
Uyyamballi	792	1114	41	E
<b>Magadi</b>	<b>1000</b>	<b>1546</b>	<b>55</b>	<b>E</b>
Magadi	1000	1542	54	E
Kuduru	841	1734	106	LE
Madabal	968	1493	54	E
Solur	881	1491	69	LE
Tippasanara	822	1469	79	LE
<b>Ramanagara</b>	<b>921</b>	<b>1590</b>	<b>73</b>	<b>LE</b>
Ramanagara_1	921	1649	79	LE
Bidadi	865	1683	94	LE
Kailancha	867	1580	82	LE
Kutgallu	887	1442	63	LE
Ramanagara_2	889	1618	82	LE
Kailancha_2	872	1518	74	LE
<b>KOLAR</b>	<b>735</b>	<b>1250</b>	<b>70</b>	<b>LE</b>
<b>Bangarapet</b>	<b>764</b>	<b>1283</b>	<b>68</b>	<b>LE</b>
Bangarapet	764	1340	75	LE
Budikote	687	1207	76	LE
Kamsandra	778	1262	62	LE
Robertsonpet	818	1334	63	LE
<b>Kolar</b>	<b>784</b>	<b>1334</b>	<b>70</b>	<b>LE</b>
Kolar	784	1390	77	LE
Holuru	745	1363	83	LE
Huttur	768	1294	68	LE
Narasapura	753	1238	64	LE
Sugaturu	763	1190	56	E
Vakkaleri	738	1458	98	LE
Rajakallahalli Vemagal	758	1331	76	LE
<b>Malur</b>	<b>798</b>	<b>1495</b>	<b>87</b>	<b>LE</b>
Malur	798	1464	83	LE

District/Taluk/Hobli	Annual Rainfall 2022 (1 <sup>st</sup> January to 31 <sup>st</sup> December)			
	Normal (mm)	Actual (mm)	%DEP	Class
Lakkur	529	1504	184	LE
Masathi	633	1572	149	LE
Tyakal	649	1449	123	LE
<b>MULABAGILU</b>	<b>804</b>	<b>1142</b>	<b>42</b>	<b>E</b>
Mulbagal	804	1058	32	E
Avani	775	1249	61	LE
Bairakur	734	1156	57	E
Duggasandra	753	1077	43	E
Tayilur	708	1158	64	LE
<b>Srinivasapura</b>	<b>758</b>	<b>1127</b>	<b>49</b>	<b>E</b>
Srinivasapura	758	1186	57	E
Nelavanki	664	1233	86	LE
Ronuru	711	1102	55	E
Rayalpadu	639	1050	64	LE
Yelldur	710	1084	53	E
<b>K.G.F</b>	<b>890</b>	<b>1105</b>	<b>24</b>	<b>E</b>
Betamangala	797	1075	35	E
Kyasamballi	785	1129	44	E
Robertsonpet	890	1094	23	E
<b>CHIKKABALLAPURA</b>	<b>736</b>	<b>1134</b>	<b>54</b>	<b>E</b>
<b>Bagepalli</b>	<b>695</b>	<b>958</b>	<b>38</b>	<b>E</b>
Bagepalli	695	1025	47	E
Chelur	706	941	33	E
Guluru	696	892	28	E
Mittermari	715	1112	56	E
Pathapalya	701	886	26	E
<b>CHIKKABALLAPURA</b>	<b>828</b>	<b>1251</b>	<b>51</b>	<b>E</b>
Chikballapura	828	1232	49	E
Mandikal	723	1234	71	LE
Nandi	808	1286	59	E
<b>Chintamani</b>	<b>787</b>	<b>1011</b>	<b>28</b>	<b>E</b>
Chintamani	787	1198	52	E
Ambajidurga	768	1052	37	E
Chilakalanerpu	722	863	20	E
Kaiwara	736	1208	64	LE
Munganahalli	730	768	5	N
Murugamale	749	1099	47	E
<b>Gauribidanur</b>	<b>704</b>	<b>1370</b>	<b>95</b>	<b>LE</b>
Gauribidanur	704	1310	86	LE
D.Palya	713	1456	104	LE
Hosur	709	1359	92	LE

District/Taluk/Hobli	Annual Rainfall 2022 (1 <sup>st</sup> January to 31 <sup>st</sup> December)			
	Normal (mm)	Actual (mm)	%DEP	Class
Manchenahalli	786	1383	76	LE
Nagaragere	695	1184	70	LE
Tondebavi	758	1559	106	LE
<b>Gudibanda</b>	<b>694</b>	<b>1120</b>	<b>61</b>	LE
Gudibanda	694	1214	75	LE
Somenahalli	728	1018	40	E
<b>Sidlaghatta</b>	<b>763</b>	<b>1121</b>	<b>47</b>	E
Sidlaghatta	763	1121	47	E
Bashattahalli	765	1046	37	E
Jangamakote	776	1311	69	LE
Sadali	735	1031	40	E
<b>TUMAKURU</b>	<b>669</b>	<b>1358</b>	<b>103</b>	LE
<b>CHIKKANAYAKANAHALLI</b>	<b>761</b>	<b>1210</b>	<b>59</b>	E
Chiknayakanahalli	761	1272	67	LE
Handanakere	595	1047	76	LE
Huliyaru	504	1200	138	LE
Kandikere	610	1344	121	LE
Shettikeri	700	1279	83	LE
<b>Gubbi</b>	<b>809</b>	<b>1500</b>	<b>85</b>	LE
Gubbi	809	1615	100	LE
Chandrashekerapura	692	1574	128	LE
Chelur	729	1488	104	LE
Hagalavadi	655	1307	100	LE
Kadaba	787	1604	104	LE
Nittur	789	1502	90	LE
<b>Koratagere</b>	<b>777</b>	<b>1487</b>	<b>91</b>	LE
Koratagere	777	1444	86	LE
Chennarayadurga	787	1601	104	LE
Holanahalli	768	1439	87	LE
Kolala	720	1437	100	LE
<b>Kunigal</b>	<b>825</b>	<b>1546</b>	<b>87</b>	LE
Kunigal	825	1647	100	LE
Amrutur	675	1523	126	LE
Huliyurudurga	741	1427	92	LE
Huttariduraga	799	1544	93	LE
Kottagere	752	1541	105	LE
Yedeyur	669	1657	148	LE
<b>Madhugiri</b>	<b>730</b>	<b>1397</b>	<b>91</b>	LE
Madhugiri	730	1492	104	LE
Dodderi	594	1537	159	LE
Itakadibbanahalli	616	1332	116	LE

District/Taluk/Hobli	Annual Rainfall 2022 (1 <sup>st</sup> January to 31 <sup>st</sup> December)			
	Normal (mm)	Actual (mm)	%DEP	Class
Kodigenahalli	632	1207	91	LE
Midigesi	553	1373	148	LE
Puravara	674	1389	106	LE
<b>Pavagada</b>	<b>611</b>	<b>1142</b>	<b>87</b>	LE
Pavagada	611	1158	89	LE
Nagalamadike	588	991	69	LE
Nidagal	518	1341	159	LE
Yellappanayakana Hosakote	532	1133	113	LE
<b>Sira</b>	<b>638</b>	<b>1157</b>	<b>81</b>	LE
Sira	638	1161	82	LE
Bukkaptna	579	1022	77	LE
Gowdagere	581	1232	112	LE
Hulikunta	506	1207	139	LE
Kallambella	606	1214	100	LE
<b>Tiptur</b>	<b>731</b>	<b>1332</b>	<b>82</b>	LE
Tiptur	731	1227	68	LE
Honnnavalli	705	1243	76	LE
Kibbanahalli	607	1401	131	LE
Nonavinakere	720	1501	109	LE
<b>Tumakuru</b>	<b>830</b>	<b>1552</b>	<b>87</b>	LE
Tumakuru North	830	1635	97	LE
Bellavi	788	1611	104	LE
Guluru	869	1551	79	LE
Hebbur	678	1445	113	LE
Uradigere	682	1500	120	LE
Kora	788	1670	112	LE
Tumakuru East	844	1614	91	LE
Tumakuru West	839	1454	73	LE
Tumakuru South	846	1494	77	LE
<b>Turuvekere</b>	<b>772</b>	<b>1490</b>	<b>93</b>	LE
Turuvekere	772	1401	81	LE
Dabbegatta	605	1414	134	LE
Dandinasivara	707	1418	100	LE
Mayasandra	657	1678	155	LE
<b>CHITRADURGA</b>	<b>540</b>	<b>839</b>	<b>55</b>	E
<b>Challakere</b>	<b>485</b>	<b>757</b>	<b>56</b>	E
Challakere	485	626	29	E
Nayakanahatti	428	671	57	E
Parasurampura	410	932	127	LE
Thalku	392	774	98	LE
<b>Chitradurga</b>	<b>666</b>	<b>883</b>	<b>33</b>	E

District/Taluk/Hobli	Annual Rainfall 2022 (1 <sup>st</sup> January to 31 <sup>st</sup> December)			
	Normal (mm)	Actual (mm)	%DEP	Class
Chitradurga	666	898	35	<i>E</i>
Bharmasagara	601	942	57	<i>E</i>
Hire Guntanur	576	839	46	<i>E</i>
Turuvanur	581	827	42	<i>E</i>
<b>Hiriyur</b>	<b>578</b>	<b>848</b>	<b>47</b>	<i>E</i>
Hiriyur	578	1006	74	<i>LE</i>
Aymangala	517	753	46	<i>E</i>
Dharmapura	481	838	74	<i>LE</i>
Javanagondanahalli	562	859	53	<i>E</i>
<b>Holalkere</b>	<b>722</b>	<b>849</b>	<b>18</b>	<i>N</i>
Holalkere	722	767	6	<i>N</i>
Bharmanaikanadurga	648	844	30	<i>E</i>
Ramagiri	535	890	66	<i>LE</i>
Talya	650	877	35	<i>E</i>
<b>Hosadurga</b>	<b>648</b>	<b>1041</b>	<b>61</b>	<i>LE</i>
Hosadurga	648	991	53	<i>E</i>
Madadhakeri	573	987	72	<i>LE</i>
Mathodu	580	1036	79	<i>LE</i>
Srirampura	564	1174	108	<i>LE</i>
<b>Molakalmuru</b>	<b>545</b>	<b>560</b>	<b>3</b>	<i>N</i>
Molakalmuru	545	535	-2	<i>N</i>
Devasamudra	400	587	47	<i>E</i>
<b>DAVANAGERE</b>	<b>659</b>	<b>1162</b>	<b>76</b>	<i>LE</i>
<b>Channagiri</b>	<b>840</b>	<b>1214</b>	<b>45</b>	<i>E</i>
Channagiri	840	1221	45	<i>E</i>
Basavapatna_1	703	1281	82	<i>LE</i>
Basavapatna_2	682	1161	70	<i>LE</i>
Santebannur_1	710	1077	52	<i>E</i>
Santebannur_2	741	1171	58	<i>E</i>
Ubrani	752	1279	70	<i>LE</i>
<b>Davanagere</b>	<b>641</b>	<b>1175</b>	<b>83</b>	<i>LE</i>
Davanagere	641	1081	69	<i>LE</i>
Anogodu	599	1190	99	<i>LE</i>
Mayakonda	639	1266	98	<i>LE</i>
<b>HARIHARA</b>	<b>630</b>	<b>1087</b>	<b>73</b>	<i>LE</i>
Harihara	630	1040	65	<i>LE</i>
Malebennur	586	1125	92	<i>LE</i>
<b>Honnali</b>	<b>662</b>	<b>1285</b>	<b>94</b>	<i>LE</i>
Honnali	662	1217	84	<i>LE</i>
Govinakovi_2	667	1181	77	<i>LE</i>
Sasavehalli_1	719	1509	110	<i>LE</i>

District/Taluk/Hobli	Annual Rainfall 2022 (1 <sup>st</sup> January to 31 <sup>st</sup> December)			
	Normal (mm)	Actual (mm)	%DEP	Class
Sasavehalli_2	640	1204	88	LE
<b>Jagalur</b>	<b>528</b>	<b>968</b>	<b>83</b>	LE
Jagalur	528	883	67	LE
Bilichodu	504	1103	119	LE
Sokke	574	948	65	LE
<b>Nyamati</b>	<b>826</b>	<b>1394</b>	<b>69</b>	LE
Belagutti	826	1404	70	LE
Govinakovi_1	710	1365	92	LE
<b>CHAMARAJANAGARA</b>	<b>787</b>	<b>1159</b>	<b>47</b>	E
<b>CHAMARAJANAGARA</b>	<b>770</b>	<b>1444</b>	<b>88</b>	LE
Chamarajanagara	770	1442	87	LE
Chandakavadi	793	1644	107	LE
Haradhanalli	774	1390	79	LE
Harve	752	1179	57	E
Santemarahalli	838	1441	72	LE
<b>Gundlupet</b>	<b>792</b>	<b>1160</b>	<b>46</b>	E
Gundlupet	792	974	23	E
Begur	648	1230	90	LE
Terakanambi	766	1238	62	LE
Hangala	784	1173	50	E
<b>Kollegal</b>	<b>843</b>	<b>1110</b>	<b>32</b>	E
Kollegala	843	1195	42	E
Palya	802	1066	33	E
<b>Yelandur</b>	<b>867</b>	<b>1398</b>	<b>61</b>	LE
Yelandur	867	1421	64	LE
Agara	771	1387	80	LE
<b>Hanur</b>	<b>754</b>	<b>993</b>	<b>32</b>	E
Hanur	754	996	32	E
Lokkanahalli	781	1040	33	E
Ramapura	811	978	21	E
<b>MYSURU</b>	<b>837</b>	<b>1318</b>	<b>57</b>	E
<b>HEGGADADEVANAKOTE</b>	<b>837</b>	<b>1391</b>	<b>66</b>	LE
Heggadadevanakote	837	1423	70	LE
Antarasante	1031	1427	38	E
Hampapura	764	1247	63	LE
<b>Hunsur</b>	<b>799</b>	<b>1318</b>	<b>65</b>	LE
Hunsur	799	1355	69	LE
Bilikere	764	1228	61	LE
Gowdargyare	767	1282	67	LE
Hanagoadu	976	1381	41	E
<b>Krishnarajanagar</b>	<b>735</b>	<b>1400</b>	<b>91</b>	LE

District/Taluk/Hobli	Annual Rainfall 2022 (1 <sup>st</sup> January to 31 <sup>st</sup> December)			
	Normal (mm)	Actual (mm)	%DEP	Class
Krishnarajanagar	735	1232	68	LE
Chanachanakatte	698	1318	89	LE
Hebbalu	721	1385	92	LE
Hasa Agrahar	682	1454	113	LE
Mirale	690	1657	140	LE
Saligram	662	1451	119	LE
<b>Mysuru</b>	<b>810</b>	<b>1356</b>	<b>67</b>	LE
Mysuru	810	1358	68	LE
Elivala	757	1257	66	LE
Jayapura	774	1405	82	LE
Varuna	738	1383	87	LE
<b>Nanjanagud</b>	<b>730</b>	<b>1240</b>	<b>70</b>	LE
Nanjangud	730	1237	69	LE
Biligere	726	1308	80	LE
Chikkayyana Chattra	732	1399	91	LE
Hullahalli	788	1196	52	E
Doddakowlande	731	1155	58	E
<b>Periyapatna</b>	<b>852</b>	<b>1296</b>	<b>52</b>	E
Periyapatna	852	1369	61	LE
Bettadpur	770	1300	69	LE
Haranahalli	957	1356	42	E
Ravanduru	810	1104	36	E
<b>T.NARASIPURA</b>	<b>738</b>	<b>1345</b>	<b>82</b>	LE
T.Narasipur	738	1398	89	LE
Bannur	721	1481	105	LE
Muguru	781	1296	66	LE
Sosale	738	1316	78	LE
Talakad	777	1241	60	E
<b>Saraguru</b>	<b>949</b>	<b>1183</b>	<b>25</b>	E
Saraguru	949	1172	23	E
B.Matakere	937	1192	27	E
<b>MANDYA</b>	<b>699</b>	<b>1484</b>	<b>112</b>	LE
<b>Krishnarajapet</b>	<b>747</b>	<b>1520</b>	<b>103</b>	LE
Krishnarajapet	747	1455	95	LE
Akkihebalu	699	1613	131	LE
Bukanakere	700	1376	97	LE
Kikkeri	719	1452	102	LE
Santebachahalli	652	1650	153	LE
Silanare	698	1592	128	LE
<b>Maddur</b>	<b>767</b>	<b>1479</b>	<b>93</b>	LE
Madduru_2	767	1637	113	LE



District/Taluk/Hobli	Annual Rainfall 2022 (1 <sup>st</sup> January to 31 <sup>st</sup> December)			
	Normal (mm)	Actual (mm)	%DEP	Class
Koppa_2	883	1594	80	LE
Chikkaarasinakere_1	753	1481	97	LE
Autaguru	779	1467	88	LE
Madduru_1	758	1540	103	LE
Koppa_2	739	1368	85	LE
Koppa_1	832	1420	71	LE
Koppa_3	769	1608	109	LE
Chikaarasinakere_2	742	1227	65	LE
Chikaarasinakere_3	734	1404	91	LE
<b>Malavalli</b>	<b>703</b>	<b>1383</b>	<b>97</b>	LE
Malavalli_1	703	1260	79	LE
Halaguru	799	1499	88	LE
Kirgavalu_1	719	1559	117	LE
B G Pura_2	778	1334	71	LE
Malavalli_2	748	1489	99	LE
Malavalli_3	772	1139	47	E
Kirgavalu_2	721	1492	107	LE
Kirgavalu_3	719	1338	86	LE
B G Pura_1	773	1172	52	E
<b>Mandya</b>	<b>699</b>	<b>1646</b>	<b>135</b>	LE
Mandya_1	699	1524	118	LE
Basaralu_1	610	1737	185	LE
Dudda_1	649	1641	153	LE
Keragodu_1	735	1865	154	LE
Kottatti_1	697	1406	102	LE
Mandya_2	737	1694	130	LE
Kottatti_2	709	1571	121	LE
Keragodu_2	747	1808	142	LE
Dudda_2	681	1551	128	LE
Basaralu_2	796	1649	107	LE
<b>Nagamangala</b>	<b>765</b>	<b>1460</b>	<b>91</b>	LE
Nagamangala	765	1479	93	LE
Belluru	520	1737	234	LE
Bendaganavele	556	1399	152	LE
Devalapura	692	1367	98	LE
Honakere	465	1335	187	LE
<b>Pandavapura</b>	<b>679</b>	<b>1464</b>	<b>115</b>	LE
Pandavapura_1	679	1504	121	LE
Chinkurali	684	1390	103	LE
Melukote	702	1561	122	LE
Pandavapura_2	660	1405	113	LE

District/Taluk/Hobli	Annual Rainfall 2022 (1 <sup>st</sup> January to 31 <sup>st</sup> December)			
	Normal (mm)	Actual (mm)	%DEP	Class
<b>Srirangapatna</b>	<b>638</b>	<b>1421</b>	<b>123</b>	<b>LE</b>
Srirangapatna	638	1463	129	LE
Arakere	701	1462	109	LE
Belagola	748	1241	66	LE
K Shettihalli_2	650	1496	130	LE
K Shettihalli_1	643	1370	113	LE
<b>BALLARI</b>	<b>599</b>	<b>795</b>	<b>33</b>	<b>E</b>
<b>Ballari</b>	<b>516</b>	<b>639</b>	<b>24</b>	<b>E</b>
Ballari	516	403	-22	D
Moka	524	787	50	E
Rupanagudi	505	755	50	E
Koluru	525	733	40	E
<b>KUDLIGI</b>	<b>590</b>	<b>827</b>	<b>40</b>	<b>E</b>
Kudligi	590	915	55	E
Gudekote	521	824	58	E
Hosahalli	504	840	67	LE
<b>Sandur</b>	<b>819</b>	<b>809</b>	<b>-1</b>	<b>N</b>
Sandur	819	887	8	N
Choranuru	627	897	43	E
Toranagallu	612	644	5	N
<b>Siruguppa</b>	<b>675</b>	<b>820</b>	<b>22</b>	<b>E</b>
Siruguppa	675	824	22	E
Hachcholli	655	754	15	N
Karuru	563	903	60	LE
Tekkalakote	630	806	28	E
<b>Kurugodu</b>	<b>499</b>	<b>814</b>	<b>63</b>	<b>LE</b>
Kurugodu	499	831	66	LE
Koluru	514	791	54	E
<b>KOPPALA</b>	<b>614</b>	<b>744</b>	<b>21</b>	<b>E</b>
<b>Gangavathi</b>	<b>583</b>	<b>708</b>	<b>21</b>	<b>E</b>
Gangavathi	583	746	28	E
Marali	571	723	27	E
Venkatagiri	586	631	8	N
<b>KOPPALA</b>	<b>635</b>	<b>762</b>	<b>20</b>	<b>E</b>
Koppal	635	836	32	E
Alawandi	587	690	18	N
Hitnal	640	741	16	N
Irkalgada	627	749	19	E
<b>Kushtagi</b>	<b>597</b>	<b>715</b>	<b>20</b>	<b>E</b>
Kushtagi	597	784	31	E
Hanumanhal	658	794	21	E

District/Taluk/Hobli	Annual Rainfall 2022 (1 <sup>st</sup> January to 31 <sup>st</sup> December)			
	Normal (mm)	Actual (mm)	%DEP	Class
Hanamsagar	627	595	-5	<i>N</i>
Tavaragera	591	758	28	<i>E</i>
<b>Yelburga</b>	<b>597</b>	<b>797</b>	<b>34</b>	<i>E</i>
Yelburga	597	776	30	<i>E</i>
Hire Wankalkunti	595	831	40	<i>E</i>
<b>Karatagi</b>	<b>640</b>	<b>722</b>	<b>13</b>	<i>N</i>
Karatgi	640	670	5	<i>N</i>
Siddapur	593	770	30	<i>E</i>
<b>Kukanuru</b>	<b>693</b>	<b>756</b>	<b>9</b>	<i>N</i>
Kukanoor	693	761	10	<i>N</i>
Manglur	630	761	21	<i>E</i>
<b>Kanakagiri</b>	<b>525</b>	<b>700</b>	<b>33</b>	<i>E</i>
Kanakagiri	525	638	21	<i>E</i>
Hulihaidar	558	642	15	<i>N</i>
Nauli	595	840	41	<i>E</i>
<b>RAICHUR</b>	<b>654</b>	<b>805</b>	<b>23</b>	<i>E</i>
<b>Deodurga</b>	<b>759</b>	<b>758</b>	<b>0</b>	<i>N</i>
Devadurga	759	811	7	<i>N</i>
Arakeri	658	800	22	<i>E</i>
Gabbur	683	781	14	<i>N</i>
Jalihalli	690	754	9	<i>N</i>
<b>Lingsugur</b>	<b>631</b>	<b>896</b>	<b>42</b>	<i>E</i>
Lingasuguru	631	847	34	<i>E</i>
Gurgunta	622	930	50	<i>E</i>
Mudgal	624	881	41	<i>E</i>
<b>Manvi</b>	<b>652</b>	<b>835</b>	<b>28</b>	<i>E</i>
Manvi	652	856	31	<i>E</i>
Hire Katankal	644	840	30	<i>E</i>
Kurdi	663	856	29	<i>E</i>
<b>Raichur</b>	<b>736</b>	<b>663</b>	<b>-10</b>	<i>N</i>
Raichur	736	809	10	<i>N</i>
Chandrabanda	733	617	-16	<i>N</i>
Devarsugur	723	701	-3	<i>N</i>
Gilasuguru	610	619	2	<i>N</i>
Kalmali	678	734	8	<i>N</i>
Yergara	763	835	10	<i>N</i>
<b>Sindhanur</b>	<b>691</b>	<b>748</b>	<b>8</b>	<i>N</i>
Sindhanur	691	708	2	<i>N</i>
Badarli	663	774	17	<i>N</i>
Gorebal	649	741	14	<i>N</i>
Gunjihalli	634	730	15	<i>N</i>

District/Taluk/Hobli	Annual Rainfall 2022 (1 <sup>st</sup> January to 31 <sup>st</sup> December)			
	Normal (mm)	Actual (mm)	%DEP	Class
Hadganhal	655	733	12	<i>N</i>
Huda	650	714	10	<i>N</i>
Jalihal	638	787	23	<i>E</i>
Jawalgeri	656	776	18	<i>N</i>
Kunatgi	660	747	13	<i>N</i>
Salgundi	660	737	12	<i>N</i>
Turvihal	627	755	20	<i>E</i>
Walkamdinni	645	701	9	<i>N</i>
<b>Maski</b>	<b>558</b>	<b>881</b>	<b>58</b>	<i>E</i>
Maski	558	872	56	<i>E</i>
Halapur	586	927	58	<i>E</i>
Pamankallur	601	845	40	<i>E</i>
Balganur	598	995	67	<i>LE</i>
Gunjihalli	609	781	28	<i>E</i>
Turvihal	603	823	36	<i>E</i>
Gudadur	573	843	47	<i>E</i>
Lingsugur	592	815	38	<i>E</i>
<b>Sirivara</b>	<b>589</b>	<b>816</b>	<b>39</b>	<i>E</i>
Sirwar	589	898	53	<i>E</i>
Kallur	671	758	13	<i>N</i>
Mallat	624	802	28	<i>E</i>
Kavital	622	827	33	<i>E</i>
<b>KALABURAGI</b>	<b>770</b>	<b>847</b>	<b>10</b>	<i>N</i>
<b>Afzalpur</b>	<b>692</b>	<b>762</b>	<b>10</b>	<i>N</i>
Afzalpur	692	709	3	<i>N</i>
Atanur	707	771	9	<i>N</i>
Karajgi	664	776	17	<i>N</i>
<b>Aland</b>	<b>763</b>	<b>874</b>	<b>15</b>	<i>N</i>
Aland	763	884	16	<i>N</i>
Khajuri	757	933	23	<i>E</i>
Madana Hipparga	735	889	21	<i>E</i>
Narona	766	818	7	<i>N</i>
Nimbarga Tanda	761	876	15	<i>N</i>
<b>Chincholi</b>	<b>913</b>	<b>879</b>	<b>-4</b>	<i>N</i>
Chincholi	913	946	4	<i>N</i>
Ainapur	783	721	-8	<i>N</i>
Sulepet	874	822	-6	<i>N</i>
Kodli Chincholi	896	797	-11	<i>N</i>
<b>CHITTAPUR</b>	<b>771</b>	<b>887</b>	<b>15</b>	<i>N</i>
Chittapur	771	883	14	<i>N</i>
Gundgurti	777	833	7	<i>N</i>

District/Taluk/Hobli	Annual Rainfall 2022 (1 <sup>st</sup> January to 31 <sup>st</sup> December)			
	Normal (mm)	Actual (mm)	%DEP	Class
Nalavara	791	918	16	<i>N</i>
<b>Kalaburagi</b>	<b>794</b>	<b>837</b>	<b>5</b>	<i>N</i>
Kalaburagi	794	861	8	<i>N</i>
Aurad	777	849	9	<i>N</i>
Farhatabad	779	793	2	<i>N</i>
Pattan	772	924	20	<i>E</i>
<b>Jevargi</b>	<b>805</b>	<b>821</b>	<b>2</b>	<i>N</i>
Jewargi	805	807	0	<i>N</i>
Andola	792	911	15	<i>N</i>
Nelogi	753	712	-5	<i>N</i>
<b>Sedam</b>	<b>791</b>	<b>911</b>	<b>15</b>	<i>N</i>
Sedam	791	984	24	<i>E</i>
Adki	807	938	16	<i>N</i>
Kodla	799	762	-5	<i>N</i>
Mudhol	807	1018	26	<i>E</i>
<b>Kalagi</b>	<b>766</b>	<b>891</b>	<b>16</b>	<i>N</i>
Kalagi	766	934	22	<i>E</i>
Kodli	774	829	7	<i>N</i>
Gundgurti	773	835	8	<i>N</i>
<b>Kamalapura</b>	<b>762</b>	<b>915</b>	<b>20</b>	<i>E</i>
Kamalapur	762	956	25	<i>E</i>
Mahagaon Tanda	772	914	18	<i>N</i>
Narona	770	924	20	<i>E</i>
Ainapur	780	821	5	<i>N</i>
<b>Yadrami</b>	<b>687</b>	<b>723</b>	<b>5</b>	<i>N</i>
Yadrami	687	707	3	<i>N</i>
Ijeri	750	765	2	<i>N</i>
<b>Shahbadha</b>	<b>758</b>	<b>864</b>	<b>14</b>	<i>N</i>
Shahabad	758	851	12	<i>N</i>
<b>BIDAR</b>	<b>838</b>	<b>952</b>	<b>14</b>	<i>N</i>
<b>Aurad</b>	<b>854</b>	<b>1066</b>	<b>25</b>	<i>E</i>
Aurad	854	1006	18	<i>N</i>
Chintaki	872	1109	27	<i>E</i>
Santpur	874	1082	24	<i>E</i>
<b>Bidar</b>	<b>939</b>	<b>994</b>	<b>6</b>	<i>N</i>
Bidar	939	954	2	<i>N</i>
Bagadhal	843	838	-1	<i>N</i>
Bidar South	935	819	-12	<i>N</i>
Janwada	909	1157	27	<i>E</i>
Kamthana	906	1120	24	<i>E</i>
Manalli	890	891	0	<i>N</i>

District/Taluk/Hobli	Annual Rainfall 2022 (1 <sup>st</sup> January to 31 <sup>st</sup> December)			
	Normal (mm)	Actual (mm)	%DEP	Class
<b>Bhalki</b>	<b>874</b>	<b>1019</b>	<b>17</b>	<b>N</b>
Bhalki	874	1065	22	<b>E</b>
Halburga	875	1154	32	<b>E</b>
Khatak Chincholi	833	1027	23	<b>E</b>
Lakangaon	877	1004	15	<b>N</b>
Nittur Buzurg	873	1079	24	<b>E</b>
Saigaon	769	854	11	<b>N</b>
<b>Basavakalyan</b>	<b>790</b>	<b>921</b>	<b>17</b>	<b>N</b>
Basavakalyan	790	789	0	<b>N</b>
Kohinoor	775	992	28	<b>E</b>
Matala	787	980	25	<b>E</b>
Mudabi	779	918	18	<b>N</b>
Rajeshwar	813	835	3	<b>N</b>
<b>Humnabad</b>	<b>834</b>	<b>876</b>	<b>5</b>	<b>N</b>
Humnabad	834	902	8	<b>N</b>
Dubalgundi	822	936	14	<b>N</b>
Hallikheda	827	720	-13	<b>N</b>
<b>Chittaguppa</b>	<b>759</b>	<b>795</b>	<b>5</b>	<b>N</b>
Chitguppa	759	837	10	<b>N</b>
Bhimalkhed	838	830	-1	<b>N</b>
Nirna	794	678	-15	<b>N</b>
<b>Kamalanagara</b>	<b>902</b>	<b>992</b>	<b>10</b>	<b>N</b>
Kamalnagar	902	947	5	<b>N</b>
Dabaka C.	877	980	12	<b>N</b>
Thanakushanur	873	1080	24	<b>E</b>
<b>Hulasuru</b>	<b>739</b>	<b>857</b>	<b>16</b>	<b>N</b>
Hulsoor	739	871	18	<b>N</b>
<b>BELAGAVI</b>	<b>826</b>	<b>1194</b>	<b>45</b>	<b>E</b>
<b>Athani</b>	<b>539</b>	<b>796</b>	<b>48</b>	<b>E</b>
Athani	539	758	41	<b>E</b>
Anantapur	517	820	59	<b>E</b>
Telsang	507	806	59	<b>E</b>
<b>Bailhongal</b>	<b>816</b>	<b>1038</b>	<b>27</b>	<b>E</b>
Bailhongal	816	1023	25	<b>E</b>
Nesargi	771	1063	38	<b>E</b>
<b>Belagavi</b>	<b>1363</b>	<b>1360</b>	<b>0</b>	<b>N</b>
Belagavi	1363	1328	-3	<b>N</b>
Hirebagevadi	1041	1144	10	<b>N</b>
Kakti	1131	1200	6	<b>N</b>
Uchagaon	1341	1783	33	<b>E</b>
<b>Chikkodi</b>	<b>666</b>	<b>998</b>	<b>50</b>	<b>E</b>

District/Taluk/Hobli	Annual Rainfall 2022 (1 <sup>st</sup> January to 31 <sup>st</sup> December)			
	Normal (mm)	Actual (mm)	%DEP	Class
Chikkodi	666	1071	61	LE
Nagaramonnali	634	967	53	E
Sadalgi	663	963	45	E
<b>Gokak</b>	<b>524</b>	<b>908</b>	<b>73</b>	LE
Gokak	524	895	71	LE
Kowjalgi	537	942	75	LE
Arbhavi	560	858	53	E
<b>Hukkeri</b>	<b>649</b>	<b>1016</b>	<b>57</b>	E
Hukkeri	649	967	49	E
Sankeswar	812	1131	39	E
Yamkanmardi	685	1001	46	E
<b>Khanapur</b>	<b>1950</b>	<b>2471</b>	<b>27</b>	E
Khanapur	1950	1653	-15	N
Bidi	1413	1672	18	N
Gunji	2263	2575	14	N
Jamboti	1856	3122	68	LE
<b>RAMADURGA</b>	<b>540</b>	<b>953</b>	<b>76</b>	LE
Ramdurg	540	1059	96	LE
Bidki	534	898	68	LE
Katkol	536	965	80	LE
Mudkavi	543	981	81	LE
<b>Raibagh</b>	<b>483</b>	<b>963</b>	<b>99</b>	LE
Raibagh	483	979	103	LE
Kudchi	529	965	82	LE
<b>Soundatti</b>	<b>568</b>	<b>947</b>	<b>67</b>	LE
Savadatti	568	990	74	LE
Manoli	562	963	71	LE
Muragoda	607	945	56	E
Yargatti	533	901	69	LE
<b>Kitthuru</b>	<b>1036</b>	<b>1292</b>	<b>25</b>	E
Kittur	1036	1291	25	E
<b>Nippani</b>	<b>838</b>	<b>1290</b>	<b>54</b>	E
Nippani	838	1348	61	LE
Sadalgi	767	1181	54	E
<b>Kagavada</b>	<b>541</b>	<b>892</b>	<b>65</b>	LE
Kagwad	541	862	59	E
<b>Mudagali</b>	<b>534</b>	<b>917</b>	<b>72</b>	LE
Arbhavi	534	937	76	LE
Kowjalgi	529	933	77	LE
<b>BAGALKOTE</b>	<b>582</b>	<b>807</b>	<b>39</b>	E
<b>Badami</b>	<b>600</b>	<b>945</b>	<b>58</b>	E

District/Taluk/Hobli	Annual Rainfall 2022 (1 <sup>st</sup> January to 31 <sup>st</sup> December)			
	Normal (mm)	Actual (mm)	%DEP	Class
Badami	600	922	54	<i>E</i>
Kerur	570	964	69	<i>LE</i>
Kulgeri	583	1091	87	<i>LE</i>
<b>Bagalkote</b>	<b>613</b>	<b>723</b>	<b>18</b>	<i>N</i>
Bagalkote	613	644	5	<i>N</i>
Kaladgi	548	802	46	<i>E</i>
Rampura	612	712	16	<i>N</i>
<b>Bilgi</b>	<b>609</b>	<b>792</b>	<b>30</b>	<i>E</i>
Bilgi	609	791	30	<i>E</i>
Anagvadi	599	724	21	<i>E</i>
<b>Hungund</b>	<b>670</b>	<b>750</b>	<b>12</b>	<i>N</i>
Hungund	670	729	9	<i>N</i>
Amingarh	633	812	28	<i>E</i>
Karadi	652	759	16	<i>N</i>
<b>Jamkhandi</b>	<b>548</b>	<b>781</b>	<b>42</b>	<i>E</i>
Jamakhadi	548	843	54	<i>E</i>
Savalagi	530	800	51	<i>E</i>
Terdal	543	879	62	<i>LE</i>
<b>Mudhol</b>	<b>532</b>	<b>822</b>	<b>55</b>	<i>E</i>
Mudhol	532	766	44	<i>E</i>
Lokapur	473	840	78	<i>LE</i>
<b>Guledagudda</b>	<b>607</b>	<b>871</b>	<b>44</b>	<i>E</i>
Guledagudda	607	846	39	<i>E</i>
<b>Ilkal</b>	<b>651</b>	<b>769</b>	<b>18</b>	<i>N</i>
Ilkal	651	699	7	<i>N</i>
Amingarh	636	937	47	<i>E</i>
Karadi	654	785	20	<i>E</i>
<b>Rabakavi Banahatti</b>	<b>496</b>	<b>857</b>	<b>73</b>	<i>LE</i>
Terdal	496	853	72	<i>LE</i>
Mudhol	550	885	61	<i>LE</i>
<b>VIJAYAPURA</b>	<b>591</b>	<b>760</b>	<b>29</b>	<i>E</i>
<b>BAGEVADI</b>	<b>669</b>	<b>710</b>	<b>6</b>	<i>N</i>
Basavana Bagewadi	669	820	23	<i>E</i>
Huvin Hippargi	647	729	13	<i>N</i>
Managuli	608	643	6	<i>N</i>
<b>Vijayapura</b>	<b>671</b>	<b>717</b>	<b>7</b>	<i>N</i>
Vijayapura	671	675	1	<i>N</i>
Nagathan	392	798	103	<i>LE</i>
<b>Indi</b>	<b>620</b>	<b>697</b>	<b>12</b>	<i>N</i>
Indi	620	672	8	<i>N</i>
Ballolli	563	722	28	<i>E</i>



District/Taluk/Hobli	Annual Rainfall 2022 (1 <sup>st</sup> January to 31 <sup>st</sup> December)			
	Normal (mm)	Actual (mm)	%DEP	Class
<b>Muddebihal</b>	<b>652</b>	<b>794</b>	<b>22</b>	<b>E</b>
Muddebihal	652	820	26	E
Dhavalagi	638	703	10	N
Nalatvad	691	838	21	E
<b>Sindgi</b>	<b>658</b>	<b>702</b>	<b>7</b>	<b>N</b>
Sindhagi	658	742	13	N
Almel	646	659	2	N
<b>Babaleshwara</b>	<b>545</b>	<b>770</b>	<b>41</b>	<b>E</b>
Babaleshwar	545	854	57	E
Mamdapur	569	767	35	E
<b>Chadachana</b>	<b>552</b>	<b>907</b>	<b>64</b>	<b>LE</b>
Chadchan	552	881	59	E
<b>Nidagundi</b>	<b>616</b>	<b>766</b>	<b>24</b>	<b>E</b>
Nidagundi	616	689	12	N
Basavana Bagewadi	631	769	22	E
Huvin Hipprgi	629	846	35	E
Muddebihal	615	684	11	N
Dhavalagi	624	731	17	N
<b>Talikote</b>	<b>586</b>	<b>858</b>	<b>47</b>	<b>E</b>
Talikoti	586	873	49	E
Devarhipargi	597	957	60	LE
Dhavalagi	612	790	29	E
Huvinhippargi	603	777	29	E
<b>Tikota</b>	<b>406</b>	<b>728</b>	<b>79</b>	<b>LE</b>
Tikota	406	791	95	LE
<b>Kolhara</b>	<b>606</b>	<b>786</b>	<b>30</b>	<b>E</b>
Kolhar	606	789	30	E
<b>Devara Hipparagi</b>	<b>630</b>	<b>764</b>	<b>21</b>	<b>E</b>
Devar Hipparagi	630	770	22	E
Huvinhiprgi	625	534	-15	N
<b>GADAG</b>	<b>624</b>	<b>995</b>	<b>60</b>	<b>E</b>
<b>Gadag</b>	<b>659</b>	<b>990</b>	<b>50</b>	<b>E</b>
Gadag	659	1034	57	E
Betageri	655	972	48	E
<b>Mundargi</b>	<b>557</b>	<b>963</b>	<b>73</b>	<b>LE</b>
Mundargi	557	808	45	E
Dambal	462	1065	131	LE
<b>Naragund</b>	<b>557</b>	<b>893</b>	<b>60</b>	<b>LE</b>
Naragund	557	948	70	LE
Konnur	583	826	42	E
<b>Ron</b>	<b>699</b>	<b>950</b>	<b>36</b>	<b>E</b>

District/Taluk/Hobli	Annual Rainfall 2022 (1 <sup>st</sup> January to 31 <sup>st</sup> December)			
	Normal (mm)	Actual (mm)	%DEP	Class
Ron	699	938	34	<i>E</i>
Hole Alur	623	747	20	<i>E</i>
Nargil	668	1110	66	<i>LE</i>
<b>Shirahatti</b>	<b>689</b>	<b>1159</b>	<b>68</b>	<i>LE</i>
Shirahatti	689	1160	68	<i>LE</i>
<b>Gajendragad</b>	<b>737</b>	<b>920</b>	<b>25</b>	<i>E</i>
Rona	737	965	31	<i>E</i>
Nargil	660	868	32	<i>E</i>
<b>Laxmeshwar</b>	<b>594</b>	<b>1126</b>	<b>90</b>	<i>LE</i>
Laxmeshwar	594	1160	95	<i>LE</i>
<b>HAVERI</b>	<b>800</b>	<b>1023</b>	<b>28</b>	<i>E</i>
<b>Byadgi</b>	<b>679</b>	<b>966</b>	<b>42</b>	<i>E</i>
Byadgi	679	904	33	<i>E</i>
Kaginelli	797	1021	28	<i>E</i>
<b>Hanagal</b>	<b>1044</b>	<b>1185</b>	<b>14</b>	<i>N</i>
Hangal	1044	1204	15	<i>N</i>
Akki Alur	1067	1170	10	<i>N</i>
Bommanhalli	1024	1102	8	<i>N</i>
<b>Haveri</b>	<b>778</b>	<b>932</b>	<b>20</b>	<i>E</i>
Haveri	778	990	27	<i>E</i>
Guttal	619	880	42	<i>E</i>
Karajgi	732	905	24	<i>E</i>
<b>Hirekerur</b>	<b>856</b>	<b>1075</b>	<b>26</b>	<i>E</i>
Hirekerur	856	926	8	<i>N</i>
Haunsbhavi	918	1141	24	<i>E</i>
<b>RANEENNUR</b>	<b>623</b>	<b>1072</b>	<b>72</b>	<i>LE</i>
Ranebennur	623	1068	72	<i>LE</i>
Kuppelur	708	1173	66	<i>LE</i>
Medleri	651	969	49	<i>E</i>
<b>Savanur</b>	<b>699</b>	<b>1044</b>	<b>49</b>	<i>E</i>
Savanur	699	986	41	<i>E</i>
Hatti Mattur	717	983	37	<i>E</i>
<b>Shiggaon</b>	<b>814</b>	<b>1004</b>	<b>23</b>	<i>E</i>
Shiggaon	814	982	21	<i>E</i>
Bankapur	808	984	22	<i>E</i>
Dhunds	955	1053	10	<i>N</i>
<b>Ratteealli</b>	<b>790</b>	<b>921</b>	<b>17</b>	<i>N</i>
Rattihalli	790	926	17	<i>N</i>
Hirekerur	830	848	2	<i>N</i>
<b>DHARWAD</b>	<b>787</b>	<b>1051</b>	<b>34</b>	<i>E</i>
<b>Dharwad</b>	<b>777</b>	<b>1016</b>	<b>31</b>	<i>E</i>

District/Taluk/Hobli	Annual Rainfall 2022 (1 <sup>st</sup> January to 31 <sup>st</sup> December)			
	Normal (mm)	Actual (mm)	%DEP	Class
Dharwad	777	1050	35	<i>E</i>
Aminbhavi	792	1035	31	<i>E</i>
Garag	908	1040	14	<i>N</i>
<b>Hubballi</b>	<b>772</b>	<b>1117</b>	<b>45</b>	<i>E</i>
Chabbi	772	1065	38	<i>E</i>
Shirguppi	699	1209	73	<i>LE</i>
<b>Kalghatgi</b>	<b>979</b>	<b>1155</b>	<b>18</b>	<i>N</i>
Kalghatgi	979	1145	17	<i>N</i>
Dummavada	852	1155	36	<i>E</i>
Tabkad Honnihalli	965	1179	22	<i>E</i>
<b>Kundgol</b>	<b>661</b>	<b>1093</b>	<b>65</b>	<i>LE</i>
Kundgol	661	980	48	<i>E</i>
Saunshi	696	1226	76	<i>LE</i>
<b>Navalgund</b>	<b>631</b>	<b>812</b>	<b>29</b>	<i>E</i>
Moraba	631	842	34	<i>E</i>
<b>Hubballi Nagara</b>	<b>746</b>	<b>911</b>	<b>22</b>	<i>E</i>
Hubballi Urban	746	917	23	<i>E</i>
<b>Alnavara</b>	<b>1267</b>	<b>1321</b>	<b>4</b>	<i>N</i>
Alnavar	1267	1307	3	<i>N</i>
<b>Annigeri</b>	<b>651</b>	<b>1016</b>	<b>56</b>	<i>E</i>
Annigeri	651	1037	59	<i>E</i>
<b>SHIVAMOGGA</b>	<b>2325</b>	<b>2439</b>	<b>5</b>	<i>N</i>
<b>Bhadravathi</b>	<b>866</b>	<b>1345</b>	<b>55</b>	<i>E</i>
Bhadravathi_1	866	1517	75	<i>LE</i>
Bhadravathi_2	936	1507	61	<i>LE</i>
Hole Honnuru_1	883	1333	51	<i>E</i>
Hole Honnuru_3	846	1243	47	<i>E</i>
Hole Honnuru_2	800	1392	74	<i>LE</i>
Kudligere	882	1330	51	<i>E</i>
<b>HOSANAGARA</b>	<b>3071</b>	<b>3234</b>	<b>5</b>	<i>N</i>
Hosanagar	3071	3223	5	<i>N</i>
Huncha	2490	2829	14	<i>N</i>
Kerehalli	1764	2084	18	<i>N</i>
Nagar	5205	4066	-22	<i>D</i>
<b>SAGARA</b>	<b>2495</b>	<b>3196</b>	<b>28</b>	<i>E</i>
Sagar	2495	2150	-14	<i>N</i>
Anandapuram	1702	2103	24	<i>E</i>
Baragadde	4040	3865	-4	<i>N</i>
Anahalli	2692	3328	24	<i>E</i>
Karauru	4154	4101	-1	<i>N</i>
Talguppa	2710	2544	-6	<i>N</i>

District/Taluk/Hobli	Annual Rainfall 2022 (1 <sup>st</sup> January to 31 <sup>st</sup> December)			
	Normal (mm)	Actual (mm)	%DEP	Class
<b>SHIKARIPURA</b>	<b>975</b>	<b>1356</b>	<b>39</b>	<b>E</b>
Shikaripur	975	1544	58	E
Anjanapura	1171	1326	13	N
Husuru	861	1231	43	E
Udagani	1037	1368	32	E
Talagunda	1050	1420	35	E
<b>Shivamogga</b>	<b>842</b>	<b>1507</b>	<b>79</b>	<b>LE</b>
Shivamogga_2	842	1411	68	LE
Shivamogga_1	1150	1626	41	E
Haranahalli	1037	1399	35	E
Holalur_1	843	1310	56	E
Holalur_2	913	1362	49	E
Kumsi	984	1618	64	LE
Nidige_1	951	1579	66	LE
Nidige_2	1193	1518	27	E
Ayanuru	1043	1792	72	LE
<b>SORABA</b>	<b>1541</b>	<b>1909</b>	<b>24</b>	<b>E</b>
Sorab	1541	1725	12	N
Anavatti	1261	1527	21	E
Chandragutti	2332	2315	-1	N
Jade	1478	1748	18	N
Kuppagadde	1417	1640	16	N
Ulvi	1895	2032	7	N
<b>Tirthahalli</b>	<b>2867</b>	<b>3153</b>	<b>10</b>	<b>N</b>
Thirthahalli	2867	3031	6	N
Agrahara	2713	2832	4	N
Agumbe	7565	4670	-38	D
Mandagadde	1690	2234	32	E
Malur	2579	2869	11	N
<b>HASSAN</b>	<b>1142</b>	<b>1701</b>	<b>49</b>	<b>E</b>
<b>Alur</b>	<b>1149</b>	<b>1483</b>	<b>29</b>	<b>E</b>
Alur	1149	1307	14	N
Kenchamman Hoskote	1814	1914	6	N
Kundur	1136	1266	11	N
Palya	1581	1513	-4	N
<b>ARKALGUD</b>	<b>885</b>	<b>1366</b>	<b>54</b>	<b>E</b>
Arkalgud	885	1373	55	E
Doddamagge	899	1468	63	LE
Konanuru	797	1523	91	LE
Mallipatna	1246	1515	22	E
Ramanathapura	830	1470	77	LE

District/Taluk/Hobli	Annual Rainfall 2022 (1 <sup>st</sup> January to 31 <sup>st</sup> December)			
	Normal (mm)	Actual (mm)	%DEP	Class
<b>ARASIKERE</b>	<b>696</b>	<b>982</b>	<b>41</b>	<b>E</b>
Arasikere	696	986	42	E
Banavara	564	1212	115	LE
Gandasi	661	1107	68	LE
Javagal	934	1042	12	N
Kanakatte	595	1059	78	LE
<b>Belur</b>	<b>1021</b>	<b>1532</b>	<b>50</b>	<b>E</b>
Belur	1021	1585	55	E
Arehalli	1790	2290	28	E
Bikkodu	1213	1637	35	E
Halebeedu	1305	1208	-7	N
Madihalli	2378	1185	-50	D
<b>Channarayapatna</b>	<b>690</b>	<b>1342</b>	<b>95</b>	<b>LE</b>
Channarayapatna	690	1595	131	LE
Baguru	779	1318	69	LE
Dandiganahalli	692	1259	82	LE
Hirisave	768	1573	105	LE
Nuggehalli	669	1598	139	LE
Shravan Belgola	733	1592	117	LE
<b>Hassan</b>	<b>846</b>	<b>1289</b>	<b>52</b>	<b>E</b>
Hassan	846	1316	56	E
Dudda	652	1245	91	LE
Kattya	693	1424	106	LE
Salagame	816	1309	60	LE
Shantigramma	661	1423	115	LE
<b>HOLENARASIPURA</b>	<b>768</b>	<b>1398</b>	<b>82</b>	<b>LE</b>
Holenarasipur	768	1524	98	LE
Halekote	778	1374	77	LE
Halli Mysore	767	1455	90	LE
<b>SAKALESH PURA</b>	<b>2247</b>	<b>3522</b>	<b>57</b>	<b>E</b>
Sakaleshpur	2247	2970	32	E
Balegodu	1790	2260	26	E
Hanbalu	2377	3728	57	E
Hettur	2218	4305	94	LE
Yaslur	1783	3254	82	LE
<b>CHIKKAMAGALURU</b>	<b>1833</b>	<b>2278</b>	<b>24</b>	<b>E</b>
<b>CHIKKAMAGALURU</b>	<b>836</b>	<b>2069</b>	<b>148</b>	<b>LE</b>
Chikkamagaluru	836	1590	90	LE
Amble	938	1493	59	E
Aldur	1643	2548	55	E
Sangmeswarpur	2339	2580	10	N

District/Taluk/Hobli	Annual Rainfall 2022 (1 <sup>st</sup> January to 31 <sup>st</sup> December)			
	Normal (mm)	Actual (mm)	%DEP	Class
Lakya	1283	1315	2	<i>N</i>
Avathi	1340	2699	101	<i>LE</i>
Jagar	909	2307	154	<i>LE</i>
Vasthare	1048	2388	128	<i>LE</i>
<b>Kadur</b>	<b>639</b>	<b>1056</b>	<b>65</b>	<i>LE</i>
Kadur	639	1004	57	<i>E</i>
Birur	677	1032	53	<i>E</i>
Hirenalluru	643	1079	68	<i>LE</i>
Sakkarepatna	813	1126	38	<i>E</i>
Shingatagere	630	1038	65	<i>LE</i>
Yagati	632	1065	68	<i>LE</i>
Panchanahalli	594	1128	90	<i>LE</i>
<b>Koppa</b>	<b>2907</b>	<b>3510</b>	<b>21</b>	<i>E</i>
Koppa	2907	3378	16	<i>N</i>
Hariharpur	3046	3604	18	<i>N</i>
Meguda	3122	3450	11	<i>N</i>
<b>Mudigere</b>	<b>2315</b>	<b>3616</b>	<b>56</b>	<i>E</i>
Mudigere	2315	2850	23	<i>E</i>
Bankal	4139	3485	-16	<i>N</i>
Gonibidu	2268	3918	73	<i>LE</i>
Kalasa	3491	3903	12	<i>N</i>
Baluru	3866	2999	-22	<i>D</i>
<b>NARASIMHARAJAPURA</b>	<b>1609</b>	<b>2376</b>	<b>48</b>	<i>E</i>
Narasimharajapur	1609	2046	27	<i>E</i>
Balehonnur	2590	2592	0	<i>N</i>
<b>Sringeri</b>	<b>3887</b>	<b>4735</b>	<b>22</b>	<i>E</i>
Sringeri	3887	3892	0	<i>N</i>
Kigga	4377	4886	12	<i>N</i>
<b>Tarikere</b>	<b>914</b>	<b>1350</b>	<b>48</b>	<i>E</i>
Tarikere	914	1289	41	<i>E</i>
Amrutapur	881	1148	30	<i>E</i>
Lakavalli	1256	1640	31	<i>E</i>
Lingadahalli	825	1242	50	<i>E</i>
<b>Ajjampura</b>	<b>669</b>	<b>1205</b>	<b>80</b>	<i>LE</i>
Ajjampura	669	1163	74	<i>LE</i>
Chowlahiriyur	607	1199	97	<i>LE</i>
Shivani	575	1143	99	<i>LE</i>
Amrutapura	698	1315	88	<i>LE</i>
Hirenalluru	645	1054	63	<i>LE</i>
<b>KODAGU</b>	<b>2729</b>	<b>3036</b>	<b>11</b>	<i>N</i>
<b>Madikeri</b>	<b>3265</b>	<b>4214</b>	<b>29</b>	<i>E</i>

District/Taluk/Hobli	Annual Rainfall 2022 (1 <sup>st</sup> January to 31 <sup>st</sup> December)			
	Normal (mm)	Actual (mm)	%DEP	Class
Madikeri	3265	3957	21	<i>E</i>
Bhagamandala	5784	5163	-11	<i>N</i>
Napoklu	2833	3260	15	<i>N</i>
Sampaje	4418	4782	8	<i>N</i>
<b>Somwarpet</b>	<b>2098</b>	<b>2397</b>	<b>14</b>	<i>N</i>
Somwarpet	2098	2250	7	<i>N</i>
Kodlipet	1613	1986	23	<i>E</i>
Kushalnagar	978	1690	73	<i>LE</i>
Sanivarsante	1863	1941	4	<i>N</i>
Santhahalli	2294	3672	60	<i>LE</i>
Suntikoppa	1589	2561	61	<i>LE</i>
<b>Virajpet</b>	<b>2468</b>	<b>2312</b>	<b>-6</b>	<i>N</i>
Virajpet	2468	2587	5	<i>N</i>
Ammati	1992	2015	1	<i>N</i>
Blale	1798	1798	0	<i>N</i>
Hudakere	2403	3018	26	<i>E</i>
Ponnampet	2267	2019	-11	<i>N</i>
Srimangala	2753	2466	-10	<i>N</i>
<b>DAKSHINA KANNADA</b>	<b>4006</b>	<b>4383</b>	<b>9</b>	<i>N</i>
<b>Beltangadi</b>	<b>4426</b>	<b>4643</b>	<b>5</b>	<i>N</i>
Belthangady	4426	4541	3	<i>N</i>
Kokkada	4261	4670	10	<i>N</i>
Venur	4117	4863	18	<i>N</i>
<b>Bantwal</b>	<b>3856</b>	<b>3904</b>	<b>1</b>	<i>N</i>
Bantwal	3856	4312	12	<i>N</i>
Pane Mangalore	3885	3832	-1	<i>N</i>
Vittal	3984	3715	-7	<i>N</i>
<b>Mangaluru</b>	<b>3609</b>	<b>3354</b>	<b>-7</b>	<i>N</i>
Mangaluru_A	3609	2564	-29	<i>D</i>
Mangaluru_B	3631	3419	-6	<i>N</i>
Gurpur	3801	3639	-4	<i>N</i>
Mulki	3788	3439	-9	<i>N</i>
Suratkal	3834	3514	-8	<i>N</i>
<b>Puttur</b>	<b>4058</b>	<b>3924</b>	<b>-3</b>	<i>N</i>
Puttur	4058	3845	-5	<i>N</i>
Uppinangadi	3939	4012	2	<i>N</i>
<b>Sulya</b>	<b>3592</b>	<b>4859</b>	<b>35</b>	<i>E</i>
Sullia	3592	4690	31	<i>E</i>
Panaje	4015	5141	28	<i>E</i>
<b>Mudabidri</b>	<b>4010</b>	<b>4608</b>	<b>15</b>	<i>N</i>
Mudbidri	4010	4600	15	<i>N</i>

District/Taluk/Hobli	Annual Rainfall 2022 (1 <sup>st</sup> January to 31 <sup>st</sup> December)			
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<b>Kadaba</b>	<b>4135</b>	<b>4747</b>	<b>15</b>	<i>N</i>
Kadaba	4135	4520	9	<i>N</i>
Panaje	4215	5014	19	<i>N</i>
Uppinangadi	3495	5040	44	<i>E</i>
<b>UDUPI</b>	<b>4535</b>	<b>4672</b>	<b>3</b>	<i>N</i>
<b>Karkala</b>	<b>4777</b>	<b>4540</b>	<b>-5</b>	<i>N</i>
Karkala	4777	4410	-8	<i>N</i>
Ajekar	4755	4923	4	<i>N</i>
<b>Kundapur</b>	<b>3786</b>	<b>4526</b>	<b>20</b>	<i>E</i>
Kundapur	3786	4423	17	<i>N</i>
Vandse	4260	4548	7	<i>N</i>
<b>Udupi</b>	<b>3862</b>	<b>4095</b>	<b>6</b>	<i>N</i>
Udupi	3862	3940	2	<i>N</i>
Brahmavara	4333	4193	-3	<i>N</i>
<b>Bynduru</b>	<b>4428</b>	<b>5316</b>	<b>20</b>	<i>E</i>
Bainduru	4428	5284	19	<i>N</i>
<b>Bramhavara</b>	<b>4043</b>	<b>4155</b>	<b>3</b>	<i>N</i>
Brahmavara	4043	4109	2	<i>N</i>
Kota	3525	4031	14	<i>N</i>
<b>Kapu</b>	<b>3757</b>	<b>3845</b>	<b>2</b>	<i>N</i>
Kapu	3757	3823	2	<i>N</i>
<b>Hebri</b>	<b>5802</b>	<b>5765</b>	<b>-1</b>	<i>N</i>
Ajekar	5802	5730	-1	<i>N</i>
Kundapur	5073	5806	14	<i>N</i>
<b>UTTARA KANNADA</b>	<b>2936</b>	<b>2981</b>	<b>2</b>	<i>N</i>
<b>Ankola</b>	<b>3532</b>	<b>3542</b>	<b>0</b>	<i>N</i>
Ankola	3532	3574	1	<i>N</i>
Belikere	3517	3406	-3	<i>N</i>
Basagod	3438	3292	-4	<i>N</i>
Blale	3364	3428	2	<i>N</i>
<b>Bhatkal</b>	<b>4322</b>	<b>4608</b>	<b>7</b>	<i>N</i>
Susgadi	4322	4736	10	<i>N</i>
Mavalli	4071	4460	10	<i>N</i>
<b>Haliyal</b>	<b>1339</b>	<b>1593</b>	<b>19</b>	<i>N</i>
Haliyal	1339	1533	14	<i>N</i>
Murkvad	1061	1399	32	<i>E</i>
Sambrani	1260	1603	27	<i>E</i>
Dandeli	1371	1672	22	<i>E</i>
<b>Honnavar</b>	<b>3728</b>	<b>4096</b>	<b>10</b>	<i>N</i>
Honnavar	3728	3957	6	<i>N</i>
Manki	3668	4072	11	<i>N</i>



District/Taluk/Hobli	Annual Rainfall 2022 (1 <sup>st</sup> January to 31 <sup>st</sup> December)			
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Mavinakurvei	3869	4185	8	N
<b>Karwar</b>	<b>3234</b>	<b>3416</b>	<b>6</b>	N
Baad	3234	3415	6	N
Ghadasaya	3611	3182	-12	N
Kinnar	3448	3472	1	N
Savantvada	3329	3292	-1	N
<b>Kumta</b>	<b>3523</b>	<b>3783</b>	<b>7</b>	N
Kumta	3523	3611	3	N
Gokarna	3243	3315	2	N
Kujahalli	3978	3823	-4	N
Mirjan	3526	3746	6	N
<b>Mundgod</b>	<b>1438</b>	<b>1651</b>	<b>15</b>	N
Mundgod	1438	1596	11	N
Pala	1243	1788	44	E
<b>SIDDAPUR</b>	<b>3016</b>	<b>3714</b>	<b>23</b>	E
Umbalamani	4456	3444	-23	D
Siddapura	3016	3130	4	N
Kodkani	3371	4249	26	E
<b>SIRSI</b>	<b>2360</b>	<b>3230</b>	<b>37</b>	E
Sirsi	2360	2753	17	N
Banavasi	1511	2241	48	E
Hulekal	2174	3143	45	E
Sampakanda	4141	4375	6	N
<b>SUPA</b>	<b>2578</b>	<b>2723</b>	<b>6</b>	N
Supa	2578	2229	-14	N
Kasalrock	4658	3972	-15	N
Kumbarawada	3073	2260	-26	D
<b>YELLAPUR</b>	<b>2668</b>	<b>2313</b>	<b>-13</b>	N
Yellapur	2668	2588	-3	N
Manchikeri	1989	2119	7	N
<b>Dandelli</b>	<b>1540</b>	<b>1586</b>	<b>3</b>	N
Dhandeli	1540	1600	4	N
<b>YADGIR</b>	<b>719</b>	<b>933</b>	<b>30</b>	E
<b>Shahapur</b>	<b>848</b>	<b>891</b>	<b>5</b>	N
Shahpur	848	932	10	N
Doranahlli	816	883	8	N
Gogi	775	948	22	E
Hayyalbuzurg	735	983	34	E
<b>Shorapur</b>	<b>721</b>	<b>894</b>	<b>24</b>	E
Shorapur	721	1005	39	E
Kakkeri	576	892	55	E

District/Taluk/Hobli	Annual Rainfall 2022 (1 <sup>st</sup> January to 31 <sup>st</sup> December)			
	Normal (mm)	Actual (mm)	%DEP	Class
Kembhavi	584	914	57	<i>E</i>
<b>Yadgir</b>	<b>908</b>	<b>926</b>	<b>2</b>	<i>N</i>
Yadgir	908	899	-1	<i>N</i>
Balichakra	773	828	7	<i>N</i>
Hattikuni	854	1027	20	<i>E</i>
Saidapur	754	1003	33	<i>E</i>
<b>Gurumithakala</b>	<b>773</b>	<b>1011</b>	<b>31</b>	<i>E</i>
Gurmitakal	773	1025	33	<i>E</i>
Konakal	776	1078	39	<i>E</i>
Balichakra	763	1077	41	<i>E</i>
<b>Vadagera</b>	<b>617</b>	<b>958</b>	<b>55</b>	<i>E</i>
Wadagera	617	1014	64	<i>LE</i>
Doranahlli	715	1178	65	<i>LE</i>
Hayyala Buzurg	722	955	32	<i>E</i>
<b>Hunisigi</b>	<b>501</b>	<b>869</b>	<b>74</b>	<i>LE</i>
Hunasagi	501	928	85	<i>LE</i>
Kodekal	622	892	44	<i>E</i>
Kakkera	571	890	56	<i>E</i>
<b>VIJAYANAGAR</b>	<b>643</b>	<b>927</b>	<b>44</b>	<i>E</i>
<b>Hosapete</b>	<b>704</b>	<b>858</b>	<b>22</b>	<i>E</i>
Hospet	704	805	14	<i>N</i>
Kamalapura	658	924	40	<i>E</i>
Mariyammanahalli	673	793	18	<i>N</i>
<b>Hadagali</b>	<b>641</b>	<b>1018</b>	<b>59</b>	<i>E</i>
Hadagali	641	912	42	<i>E</i>
Hirehadagalli	652	989	52	<i>E</i>
Ittigi	667	1072	61	<i>LE</i>
<b>HAGARIBOMMANAHALLI</b>	<b>635</b>	<b>852</b>	<b>34</b>	<i>E</i>
Hagaribommanahalli	635	738	16	<i>N</i>
Hampa Sagara	617	954	55	<i>E</i>
Tambarahalli	628	846	35	<i>E</i>
Kogali	617	806	31	<i>E</i>
<b>HARAPPANAHALLI</b>	<b>755</b>	<b>1015</b>	<b>35</b>	<i>E</i>
Harapanahalli	755	900	19	<i>N</i>
Arasikere	656	1100	68	<i>LE</i>
Chigateri	761	879	16	<i>N</i>
Telagi	665	1139	71	<i>LE</i>
<b>Kotturu</b>	<b>533</b>	<b>963</b>	<b>81</b>	<i>LE</i>
Kotturu	533	955	79	<i>LE</i>
Kogali	641	890	39	<i>E</i>
Hoshalli	560	893	59	<i>E</i>

District/Taluk/Hobli	Annual Rainfall 2022 (1 <sup>st</sup> January to 31 <sup>st</sup> December)			
	Normal (mm)	Actual (mm)	%DEP	Class
<b>Kampli</b>	<b>531</b>	<b>904</b>	<b>70</b>	<b>LE</b>
Kampli	531	865	63	LE
Kurugodu	553	937	70	LE
<b>1.SIK</b>	<b>714</b>	<b>1246</b>	<b>75</b>	<b>LE</b>
<b>2.NIK</b>	<b>702</b>	<b>915</b>	<b>30</b>	<b>E</b>
<b>3.MALNAD</b>	<b>1950</b>	<b>2303</b>	<b>18</b>	<b>N</b>
<b>4.COASTAL</b>	<b>3518</b>	<b>3672</b>	<b>4</b>	<b>N</b>
<b>State</b>	<b>1153</b>	<b>1474</b>	<b>28</b>	<b>E</b>

Note: Weighted average rainfall is computed using Thiessen Polygon method and Departure calculated from Normal. The long period Normal rainfall data is available for Taluk headquarters stations. The Normal rainfall for other stations is estimated through interpolations.

**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 %)).**

[illegible]



Figure 1.8: Taluk wise Rainfall (mm) pattern during 2022.

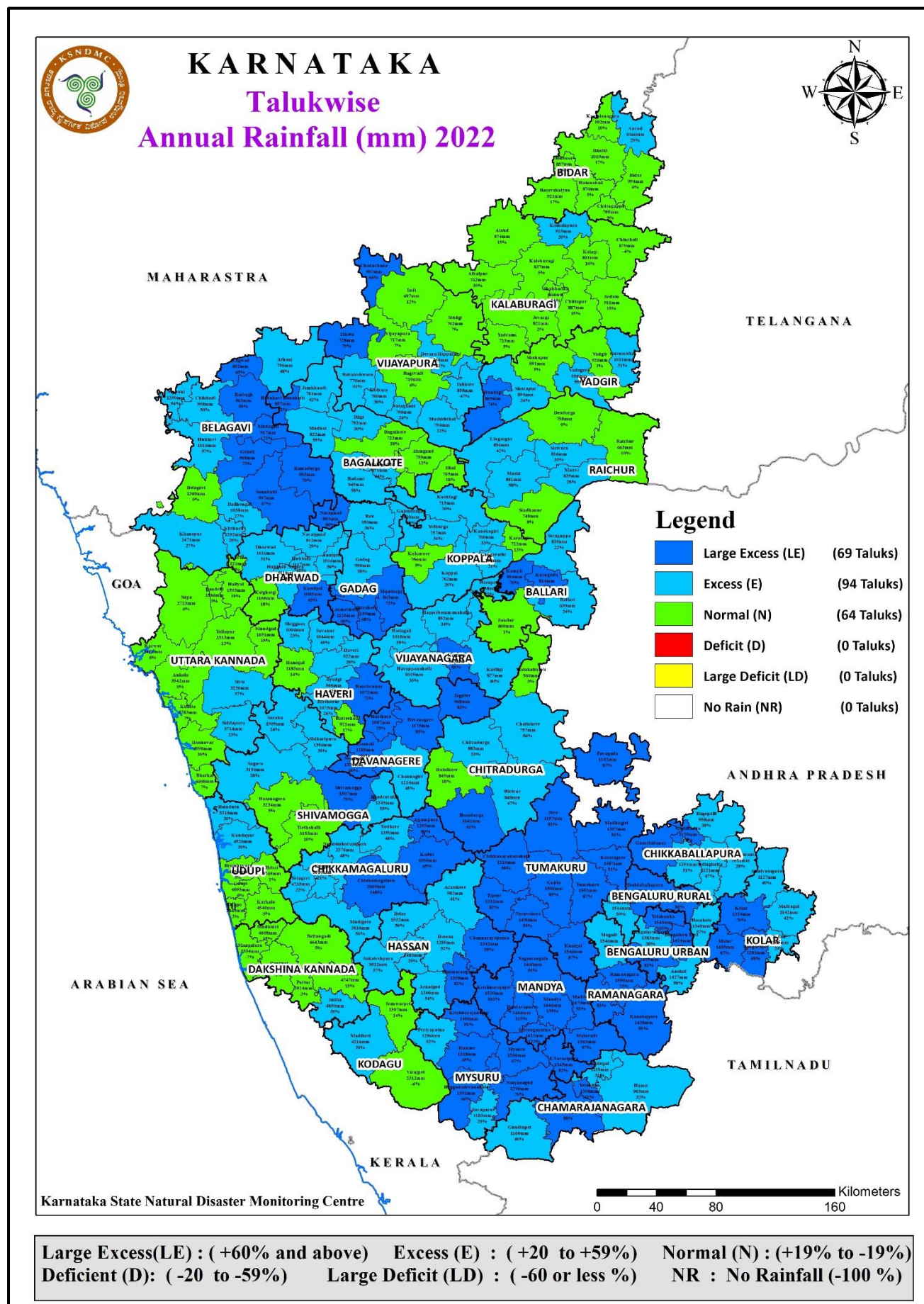
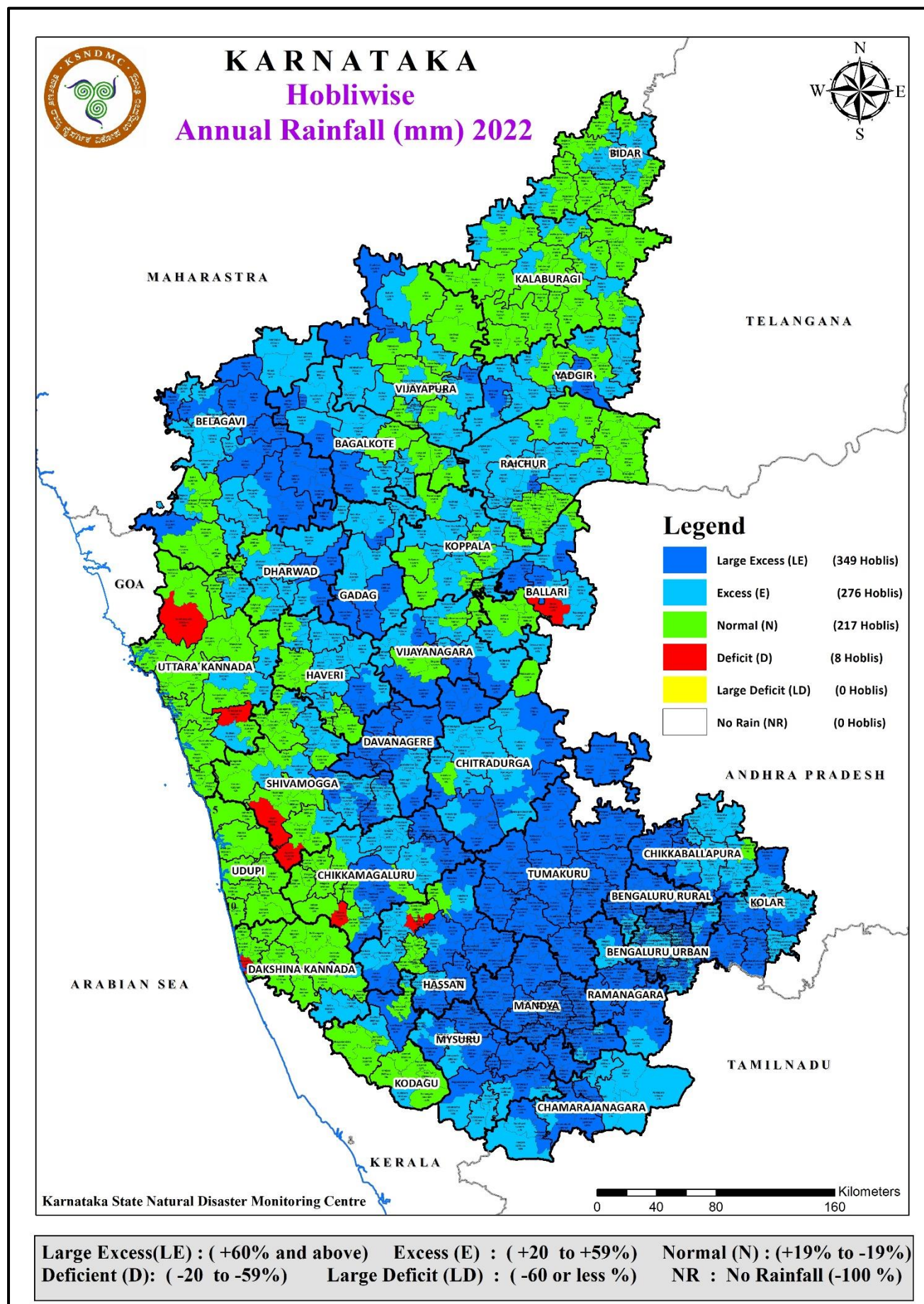




Figure 1.9: Hobli wise Rainfall (mm) pattern during 2022



**Table: 1.2: Classification of Taluk wise Rainfall pattern (1<sup>st</sup> January to 31<sup>st</sup> December)**

			Large Excess		Excess		Normal		Total		Deficit		Large Deficit		No Rain		Total	
Region	District	Total Taluks \ Hoblis	Taluks	Hoblis	Taluks	Hoblis	Taluks	Hoblis	Taluks	Hoblis	Taluks	Hoblis	Taluks	Hoblis	Taluks	Hoblis	Taluks	Hoblis
SIK	BENGALURU URBAN	5/49	3	30	2	19	0	0	5	49	0	0	0	0	0	0	0	0
SIK	BENGALURU RURAL	4/20	2	17	2	3	0	0	4	20	0	0	0	0	0	0	0	0
SIK	RAMANAGARA	4/20	3	17	1	3	0	0	4	20	0	0	0	0	0	0	0	0
SIK	KOLAR	6/28	3	18	3	10	0	0	6	28	0	0	0	0	0	0	0	0
SIK	CHIKKABALLAPURA	6/26	2	10	4	15	0	1	6	26	0	0	0	0	0	0	0	0
SIK	TUMAKURU	10/53	9	53	1	0	0	0	10	53	0	0	0	0	0	0	0	0
SIK	CHITRADURGA	6/22	1	8	3	12	2	2	6	22	0	0	0	0	0	0	0	0
SIK	DAVANAGERE	6/20	5	17	1	3	0	0	6	20	0	0	0	0	0	0	0	0
SIK	CHAMARAJANAGARA	5/16	2	8	3	8	0	0	5	16	0	0	0	0	0	0	0	0
SIK	MYSURU	8/33	6	24	2	9	0	0	8	33	0	0	0	0	0	0	0	0
SIK	MANDYA	7/49	7	47	0	2	0	0	7	49	0	0	0	0	0	0	0	0
		<b>67/336</b>	<b>43</b>	<b>249</b>	<b>22</b>	<b>84</b>	<b>2</b>	<b>3</b>	<b>67</b>	<b>336</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
NIK	BALLARI	5/16	1	3	3	9	1	3	5	15	0	1	0	0	0	0	0	1
NIK	KOPPALA	7/20	0	0	5	13	2	7	7	20	0	0	0	0	0	0	0	0
NIK	RAICHUR	7/40	0	1	4	19	3	20	7	40	0	0	0	0	0	0	0	0
NIK	KALABURAGI	11/36	0	0	1	8	10	28	11	36	0	0	0	0	0	0	0	0
NIK	BIDAR	8/30	0	0	1	11	7	19	8	30	0	0	0	0	0	0	0	0
NIK	BELAGAVI	14/38	6	16	7	16	1	6	14	38	0	0	0	0	0	0	0	0
NIK	BAGALKOTE	9/22	1	6	5	11	3	5	9	22	0	0	0	0	0	0	0	0
NIK	VIJAYAPURA	12/28	2	3	6	14	4	11	12	28	0	0	0	0	0	0	0	0
NIK	GADAG	7/13	4	5	3	8	0	0	7	13	0	0	0	0	0	0	0	0
NIK	HAVERI	8/20	1	2	5	11	2	7	8	20	0	0	0	0	0	0	0	0
NIK	DHARWAD	8/14	1	2	5	9	2	3	8	14	0	0	0	0	0	0	0	0
NIK	YADGIR	6/20	1	3	3	13	2	4	6	20	0	0	0	0	0	0	0	0
NIK	VIJAYANAGAR	6/19	2	6	4	8	0	5	6	19	0	0	0	0	0	0	0	0
	<b>North Interior Karnataka</b>	<b>108/316</b>	<b>19</b>	<b>47</b>	<b>52</b>	<b>150</b>	<b>37</b>	<b>118</b>	<b>108</b>	<b>315</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>
MALNAD	SHIVAMOGGA	7/41	1	7	4	16	2	16	7	39	0	2	0	0	0	0	0	2
MALNAD	HASSAN	8/38	2	21	6	10	0	6	8	37	0	1	0	0	0	0	0	1
MALNAD	CHIKKAMAGALURU	8/36	3	14	5	11	0	10	8	35	0	1	0	0	0	0	0	1
MALNAD	KODAGU	3/16	0	3	1	3	2	10	3	16	0	0	0	0	0	0	0	0
	<b>Malnad</b>	<b>26/131</b>	<b>6</b>	<b>45</b>	<b>16</b>	<b>40</b>	<b>4</b>	<b>42</b>	<b>26</b>	<b>127</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>
COASTAL	DAKSHINA KANNADA	7/19	0	0	1	3	6	15	7	18	0	1	0	0	0	0	0	1
COASTAL	UDUPI	7/12	0	0	2	0	5	12	7	12	0	0	0	0	0	0	0	0
COASTAL	UTTARA KANNADA	12/36	0	0	2	7	10	27	12	34	0	2	0	0	0	0	0	2
	<b>Coastal</b>	<b>26/67</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>10</b>	<b>21</b>	<b>54</b>	<b>26</b>	<b>64</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>
	<b>State</b>	<b>227/850</b>	<b>68</b>	<b>341</b>	<b>95</b>	<b>284</b>	<b>64</b>	<b>217</b>	<b>227</b>	<b>842</b>	<b>0</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8</b>

## 1.4 SEASONAL RAINFALL DURING 2022

**4.1. PRE-MONSOON SEASON RAINFALL:**  
The Pre-Monsoon season covers Five months, from January to May, of which January and February pertains to winter and the later three months, March to May, is characterized with hot weather condition.

The Pre-Monsoon Normal rainfall for the State is **120 mm** which constitutes only **10%** of the Annual Normal rainfall. The Pre-Monsoon Normal rainfall varies from **63 mm** in Raichur District to **253 mm** in Kodagu District. The Normal rainfall for the State during January to March is only **9 mm**, whereas the Normal rainfall during April and May is **34 mm** and **75 mm** respectively.

### Rainfall pattern during Pre-Monsoon-2022.

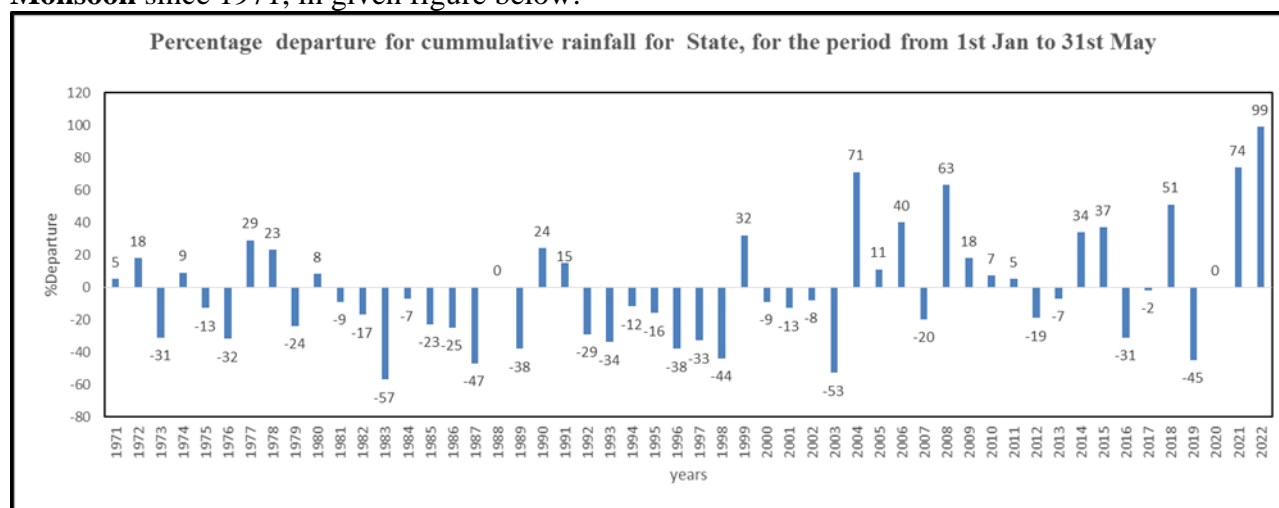
During Pre-Monsoon season 2022 the state as a whole recorded an actual amount of **238 mm** of rainfall as against the Normal rainfall of **120 mm** with percentage departure from Normal being **(99%)**. Thus the State as whole is classified under **Large Excess** Category.

The comparison of Zone wise rainfall pattern during the period from **Pre- Monsoon 2022** with the rainfall of corresponding week in the last **4** years is as follows.

Region/State	Normal (mm)	2018		2019		2020		2021		2022	
		Actual (mm)	Dep%	Actual (mm)	Dep%	Actual (mm)	Dep%	Actual (mm)	Dep%	Actual (mm)	Dep%
1.SIK	143.3	235	56	121	-20	168	17	180.7	26	283.8	98
2.NIK	83.2	109	16	38	-60	81	-2	121.5	46	152.6	83
3.MALNAD	167.5	308	69	90	-51	183	9	338.2	102	355.2	112
4.COASTAL	158.2	312	82	44	-74	149	-6	514.7	225	340.8	115
<b>State</b>	<b>120</b>	<b>194</b>	<b>51</b>	<b>71</b>	<b>-45</b>	<b>120</b>	<b>0</b>	<b>207</b>	<b>74</b>	<b>238</b>	<b>99</b>

The percentage departure of rainfall from Normal for the state during Pre-Monsoon which is **better** when compared to the corresponding period of last **4** years.

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 **(+99 %)** which is the **Highest** in the corresponding period of **last 50** years.

**District wise Rainfall pattern during Pre-Monsoon 2022** is given in the following : (Total 31 Districts in the State):



SI. No.	District	Normal	Actual	% Dep
1	Davanagere	105.0	286.7	173
2	Shivamogga	129.0	338.2	162
3	Haveri	121.5	298.0	145
4	Mandya	166.2	383.1	131
5	Uttara Kannada	103.0	234.1	127
6	Tumakuru	124.9	283.6	127
7	Gadag	105.5	233.8	122
8	Belagavi	94.8	208.0	119
9	Udupi	200.8	433.7	116
10	Dharwad	125.4	269.7	115
11	Bengaluru Rural	141.3	302.2	114
12	Kolar	117.2	249.8	113
13	Hassan	168.3	351.7	109
14	Bengaluru Urban	156.1	325.5	109
15	Chikkamagaluru	164.3	339.1	106
16	Dakshina Kannada	242.5	495.3	104
17	Bagalkote	79.8	159.0	99
18	Vijayapura	62.8	117.1	86
19	Chikkaballapura	108.1	196.0	81
20	Ramanagara	177.5	312.3	76
21	Chitradurga	103.3	180.0	74
22	Mysuru	205.2	356.3	74
23	Koppala	81.7	138.2	69
24	Vijayanagar	98.6	166.4	69
25	Kodagu	252.8	422.7	67
26	Chamarajanagara	203.4	314.3	55
27	Yadgir	67.5	102.1	51
28	Ballari	74.4	110.5	49
29	Raichur	68.5	94.1	37
30	Kalaburagi	67.0	88.2	32
31	Bidar	70.9	74.1	5
	<b>STATE</b>	<b>120</b>	<b>238</b>	<b>99</b>

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

Rainfall category	No. of Districts
<b>Large Excess (<math>\geq 60\%</math>)</b>	25 Districts
<b>Excess (+20 to +59%)</b>	5 Districts
<b>Normal (-19 to +19%)</b>	1 District
<b>Deficit (-20 to -59%)</b>	Nil
<b>Large Deficit (-60 to -99%)</b>	Nil
<b>No rain (<math>\leq -100\%</math>)</b>	Nil

During **Pre-Monsoon 2022**, the above data shows that, the rainfall was **Large Excess** in **25** Districts, **Excess** in **5** Districts and **Normal** in **1** District. During the corresponding period of the preceding year (2021), the rainfall was **Large Excess** in **11** Districts, **Excess** in **10** Districts, **Normal** in **9** Districts and **Deficit** in **1** District.

**41.1.2 Taluk wise Rainfall pattern during Pre-Monsoon 2022** is given in the following table. (**Total 227 Taluks in the State**):

Rainfall category	No. of Taluks
<b>Large Excess (<math>\geq 60\%</math>)</b>	160 Taluks
<b>Excess (+20 to +59%)</b>	47 Taluks
<b>Normal (-19 to +19%)</b>	17 Taluks
<b>Deficit (-20 to -59%)</b>	3 Taluks
<b>Large Deficit (-60 to -99%)</b>	Nil
<b>No rain (<math>\leq -100\%</math>)</b>	Nil

During **Pre-Monsoon 2022**, the above data shows that, the rainfall was **Large Excess** in **160** Taluks, **Excess** in **47** Taluks, **Normal** in **17** Taluks and **Deficit** in **3** Taluks. During the preceding year (2021), the rainfall was **Large Excess** in **84** Taluks, **Excess** in **68** Taluks, **Normal** in **55** Taluks and **Deficit** in **20** Taluks.

The Hobli-wise rainfall pattern during **Pre-Monsoon 2022** is given in the following table (**Total 850 Hoblis in the State**):

Rainfall category	No. of Hoblis
<b>Large Excess (<math>\geq 60\%</math>)</b>	628 Hoblis
<b>Excess (+20 to +59%)</b>	146 Hoblis
<b>Normal (-19 to +19%)</b>	54 Hoblis
<b>Deficit (-20 to -59%)</b>	21 Hoblis
<b>Large Deficit (-60 to -99%)</b>	1 Hoblis
<b>No rain (<math>\leq -100\%</math>)</b>	Nil

During **Pre-Monsoon 2022**, the above data shows that, the rainfall was **Large Excess** in **628** Hoblis, **Excess** in **146** Hoblis, **Normal** in **54** Hoblis, **Deficit** in **21** Hoblis and **Large Deficit** in **1** Hobli. During the preceding year (2021), the rainfall was **Large Excess** in **329** Hoblis, **Excess** in **229** Hoblis, **Normal** in **203** Hoblis, **Deficit** in **85** Hoblis and **Large Deficit** in **4**

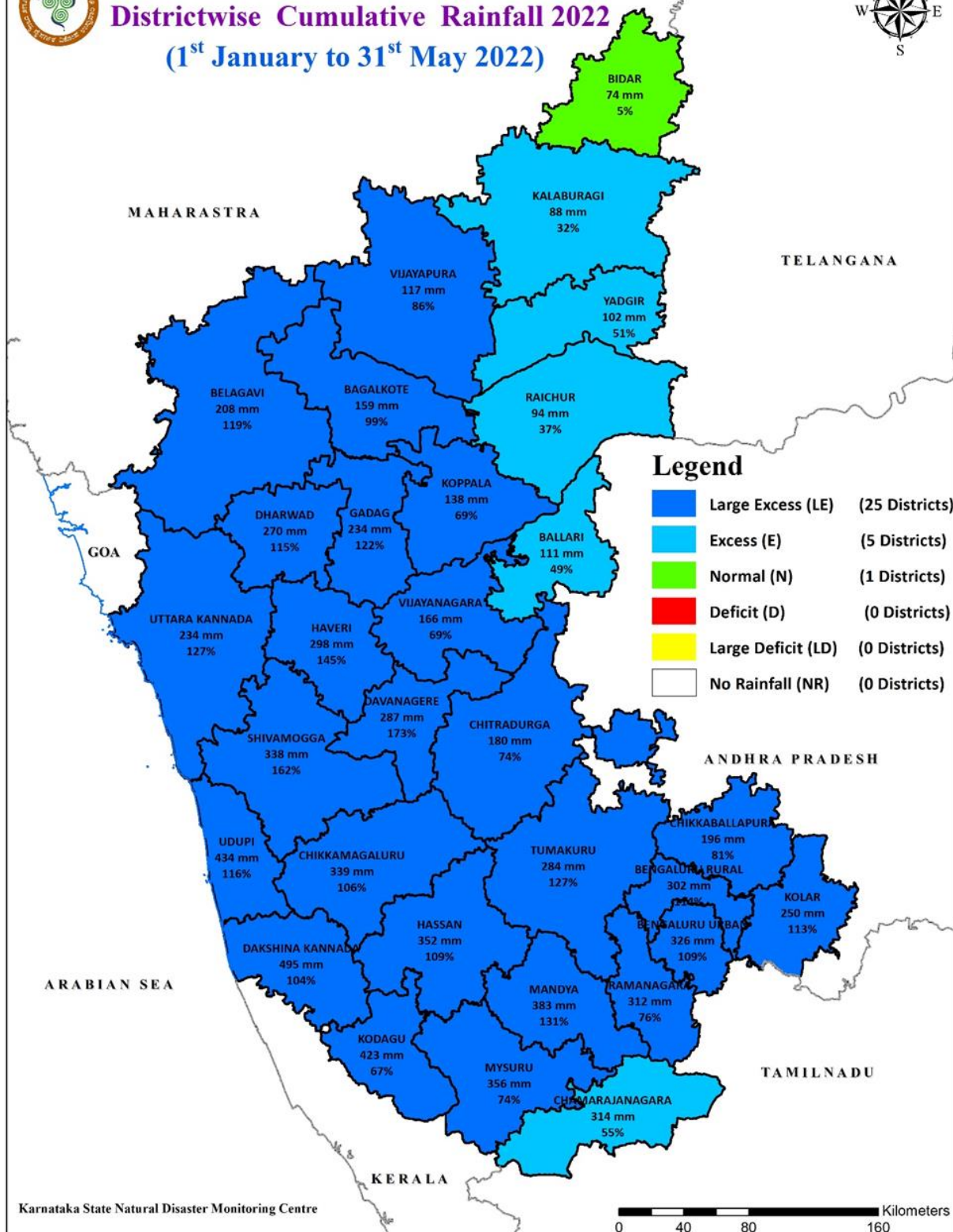
**Figure 1.10: District wise Rainfall (mm) pattern during the Pre-Monsoon Season 2022**



# KARNATAKA

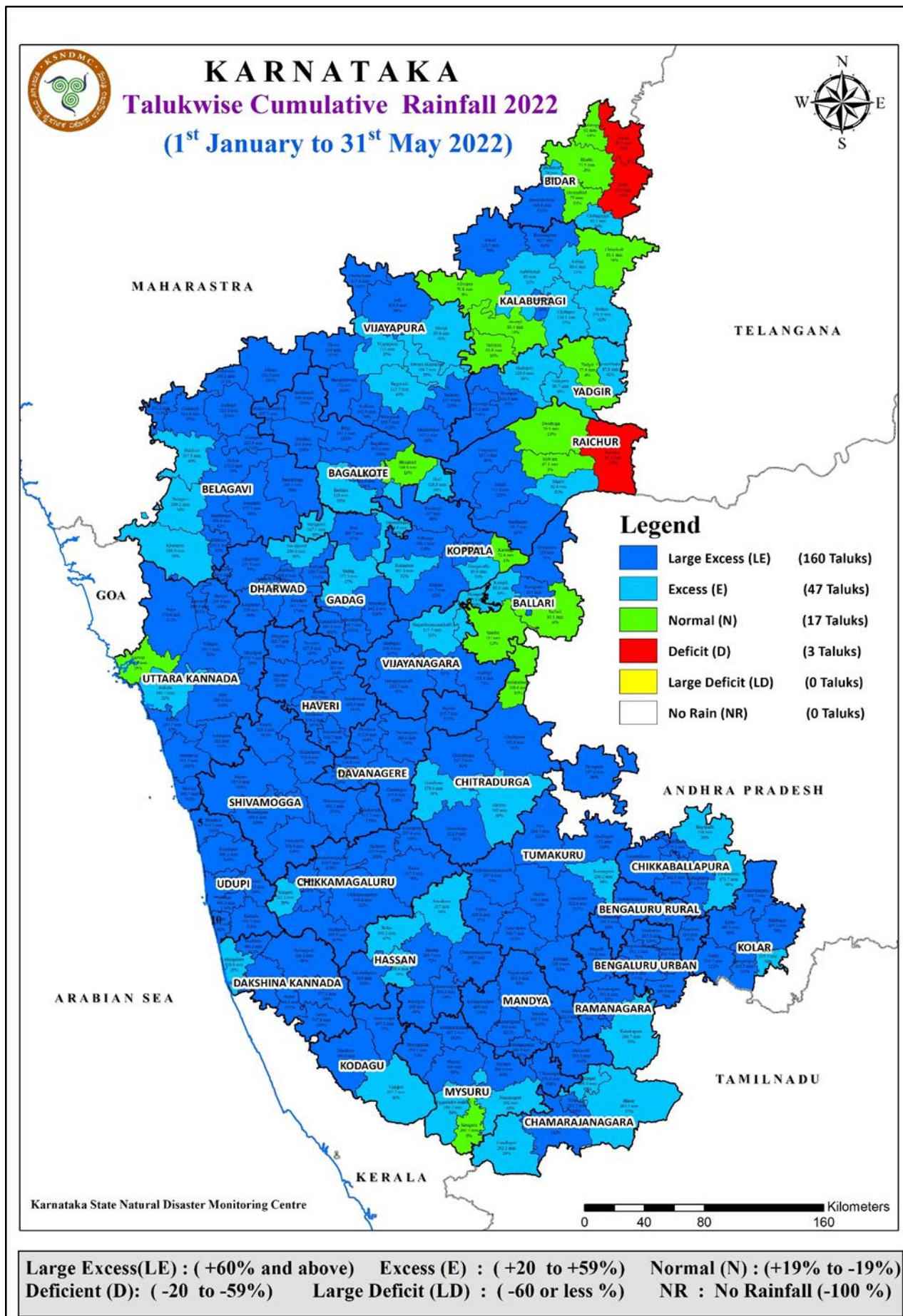
## Districtwise Cumulative Rainfall 2022

(1<sup>st</sup> January to 31<sup>st</sup> May 2022)



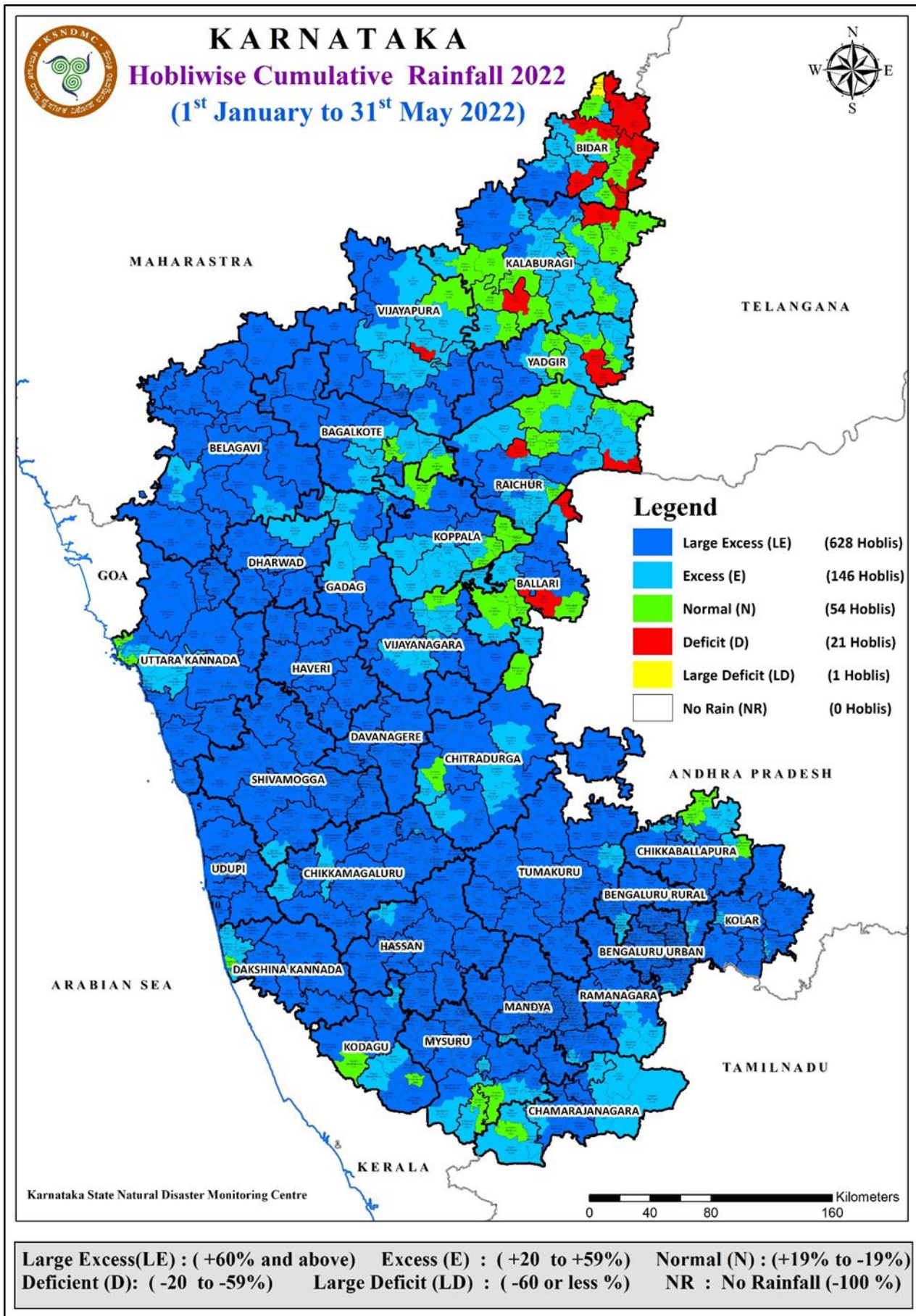
Large Excess(LE) : (+60% and above)    Excess (E) : (+20 to +59%)    Normal (N) : (+19% to -19%)  
Deficient (D): (-20 to -59%)    Large Deficit (LD) : (-60 or less %)    NR : No Rainfall (-100 %)

Figure 1.11: Taluk wise Rainfall (mm) pattern during the Pre-Monsoon Season 2022



**Figure 1.12: Hobli-Wise Rainfall (mm) pattern during the Pre-Monsoon Season 2022**





#### 1.4.2. SOUTH WEST (SW) MONSOON SEASON 2022 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 2022:

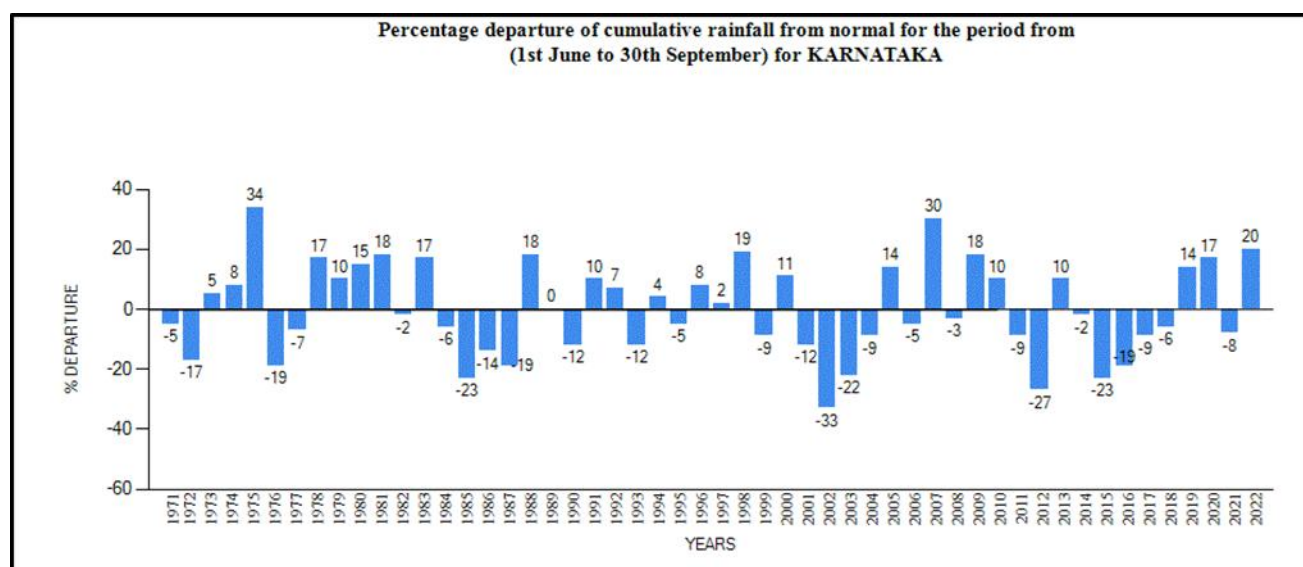
During the **SW-Monsoon 2022**, the State as a whole recorded **1019 mm** of rainfall as against the Normal rainfall of **852 mm** with a (+) **20%** departure from the Normal. Thus, the rainfall over the State during the SW-Monsoon season 2022 is classified as **Excess category**.

The comparison of Zone-wise rainfall pattern during the SW-Monsoon season **2022** with the rainfall of corresponding season in the last 4 years is as follows.

Region/ State	Normal (mm)	2018		2019		2020		2021		2022	
		Actual (mm)	% Dep	Actual (mm)	% Dep	Actual (mm)	% Dep	Actual (mm)	% Dep	Actual (mm)	% Dep
1.SIK	369	333	-10	411	11	512	39	384	4	<b>660</b>	<b>79</b>
2.NIK	479	311	-35	506	6	650	36	496	4	<b>602.2</b>	<b>26</b>
3.MALNAD	1556	1858	19	1834	18	1448	-7	1283	-18	<b>1725</b>	<b>11</b>
4.COASTAL	3101	3104	0	3734	20	3458	12	2692	-13	<b>3107</b>	<b>0</b>
<b>State</b>	<b>852</b>	<b>804</b>	<b>-6</b>	<b>975</b>	<b>14</b>	<b>993</b>	<b>17</b>	<b>787</b>	<b>-8</b>	<b>1019</b>	<b>20</b>

The departure (%) of rainfall from the Normal during SW-Monsoon season is (+) **20%**, which is **good** when compared to the corresponding periods of the **last 4** years.

The percentage departure of rainfall from Normal for the State during the SW-Monsoon season, since 1971 is given in the following Figure 1.13:



The figure indicates that the departure (%) of rainfall from the Normal during SW-Monsoon season 2022 is (+) **20%**, which is **more** than the corresponding period of the **last** year.

#### District wise Rainfall pattern during South-West Monsoon 2022

SL. No.	District	Normal	Actual	Percentage Departure
1	Mandya	316	730	131
2	Tumakuru	358	769	115
3	Bengaluru Rural	444	838	89
4	Ramanagara	436	814	87
5	Chitradurga	282	477	69
6	Bengaluru Urban	471	790	68
7	Kolar	399	649	63
8	Davanagere	393	637	62
9	Chamarajanagara	320	510	59
10	Gadag	372	582	57
11	Mysuru	419	653	56
12	Chikkaballapura	416	635	52
13	Hassan	754	1090	45
14	Ballari	366	510	40
15	Vijayanagar	389	535	38
16	Bagalkote	362	486	34
17	Yadgir	517	689	33
18	Belagavi	599	790	32
19	Vijayapura	396	520	31
20	Raichur	440	569	29
21	Koppala	383	452	18
22	Chikkamagaluru	1447	1700	17
23	Bidar	650	746	15
24	Haveri	512	572	12
25	Dharwad	514	570	11
26	Kalaburagi	576	633	10
27	Kodagu	2188	2369	8
28	Dakshina Kannada	3388	3527	4
29	Udupi	4022	3998	-1
30	Uttara Kannada	2647	2593	-2
31	Shivamogga	1991	1930	-3
	<b>State</b>	<b>851.6</b>	<b>1019</b>	<b>20</b>

The District wise rainfall pattern indicates

Rainfall category	Number of District(s)
<b>Large Excess (<math>\geq 60\%</math>)</b>	8 Districts
<b>Excess (+20 to +59%)</b>	12 Districts
<b>Normal (-19 to +19%)</b>	11 Districts
<b>Deficit (-20 to -59%)</b>	Nil
<b>Large Deficit (-60 to -99%)</b>	Nil
<b>No rain (<math>\leq -100\%</math>)</b>	Nil

During the corresponding period of the preceding year (2021), the rainfall was **Excess** in 3 Districts **Normal** in 25 Districts and **Deficit** in 3 Districts.

**Taluk wise cumulative rainfall pattern during 1<sup>st</sup> June to 30<sup>th</sup> September 2022** is given in the following table. **(Total 227 Taluks in the State):**

Rainfall category	Number of Taluk(s)
<b>Large Excess (<math>\geq 60\%</math>)</b>	75 Taluks
<b>Excess (+20 to +59%)</b>	70 Taluks
<b>Normal (-19 to +19%)</b>	82 Taluks
<b>Deficit (-20 to -59%)</b>	Nil
<b>Large Deficit (-60 to -99%)</b>	Nil
<b>No rain (<math>\leq -100\%</math>)</b>	Nil

During the preceding year (2021), the rainfall was **Large Excess** in 3 Taluks, **Excess** in 32 Taluks, **Normal** in 167 Taluks and **Deficit** in 25 Taluks.

The Hobli-wise rainfall pattern during 1<sup>st</sup> June to 30<sup>th</sup> September 2022 is given in the following table **(Total 850 Hoblis in the State):**

Rainfall category	Number of Hobli(s)
<b>Large Excess (<math>\geq 60\%</math>)</b>	331 Hoblis
<b>Excess (+20 to +59%)</b>	259 Hoblis
<b>Normal (-19 to +19%)</b>	246 Hoblis
<b>Deficit (-20 to -59%)</b>	13 Hoblis
<b>Large Deficit (-60 to -99%)</b>	1 Hobli
<b>No rain (<math>\leq -100\%</math>)</b>	Nil

During the preceding year (2021), the rainfall **Large Excess** in 19 Hoblis **Excess** in 151 Hoblis, **Normal** in 512 Hoblis, **Deficit** in 166 Hoblis and **Large Deficit** in 2 Hoblis.

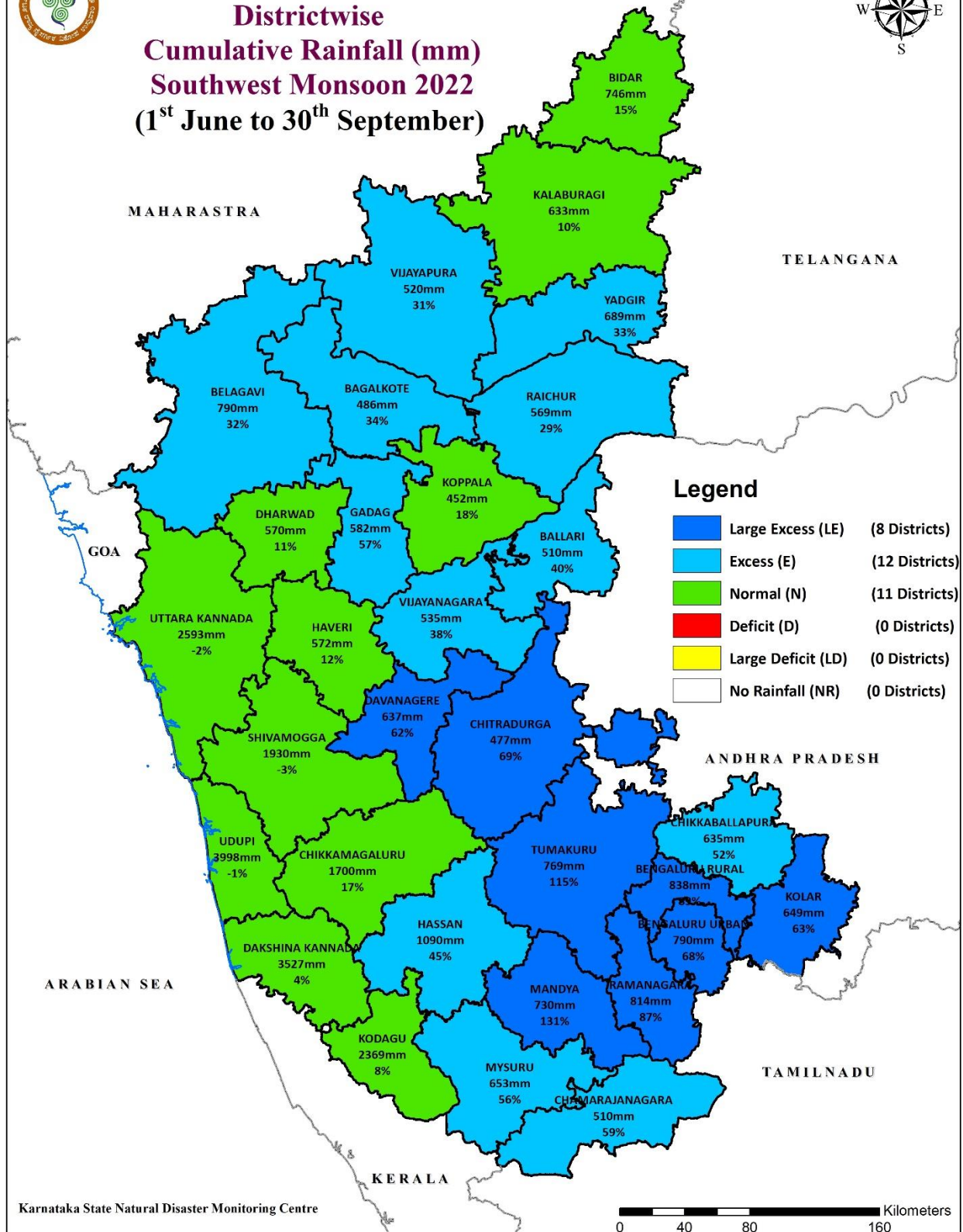
**Figure 1.14: District wise Rainfall (mm) pattern during the Southwest Monsoon Season 2022:**





# KARNATAKA

## Districtwise Cumulative Rainfall (mm) Southwest Monsoon 2022 (1<sup>st</sup> June to 30<sup>th</sup> September)



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 2022:



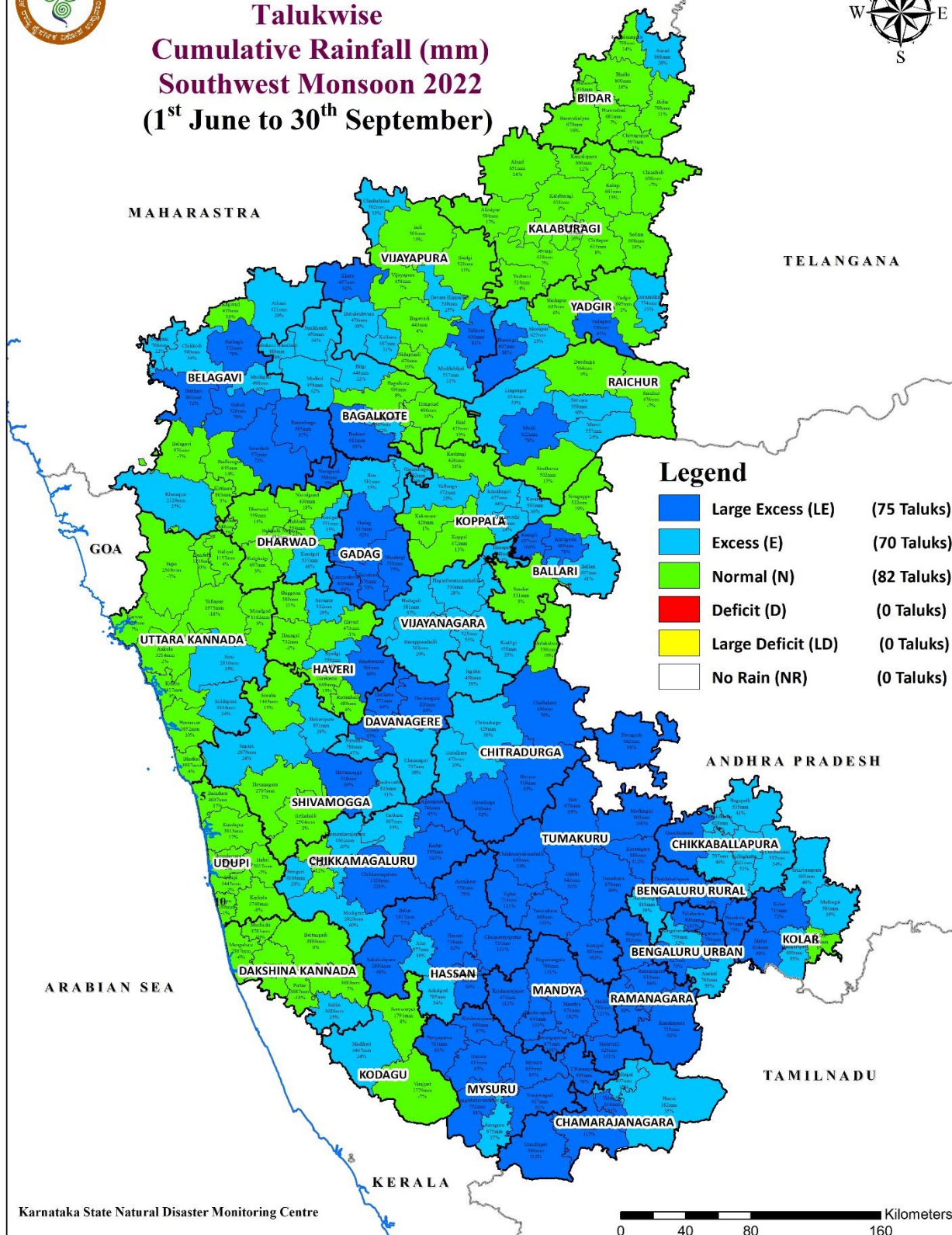
# KARNATAKA

## Talukwise

### Cumulative Rainfall (mm)

### Southwest Monsoon 2022

(1<sup>st</sup> June to 30<sup>th</sup> September)



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 %)

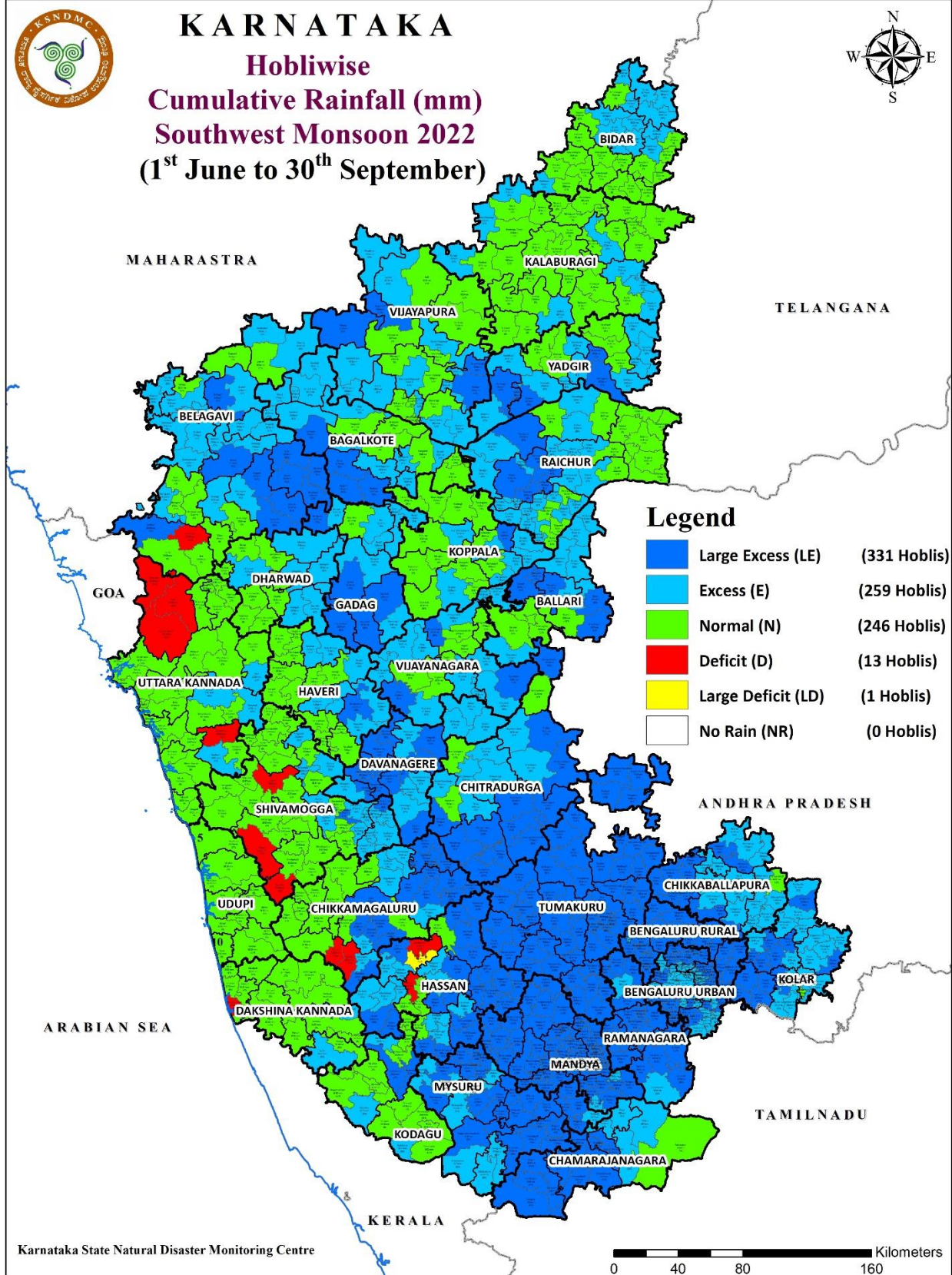
Figure 1.16: Hobli-wise Rainfall pattern during the Southwest Monsoon Season 2022:





# KARNATAKA

## Hobliwise Cumulative Rainfall (mm) Southwest Monsoon 2022 (1<sup>st</sup> June to 30<sup>th</sup> September)



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 %)

### 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.

#### Rainfall during North-East Monsoon season 2022 in the State.

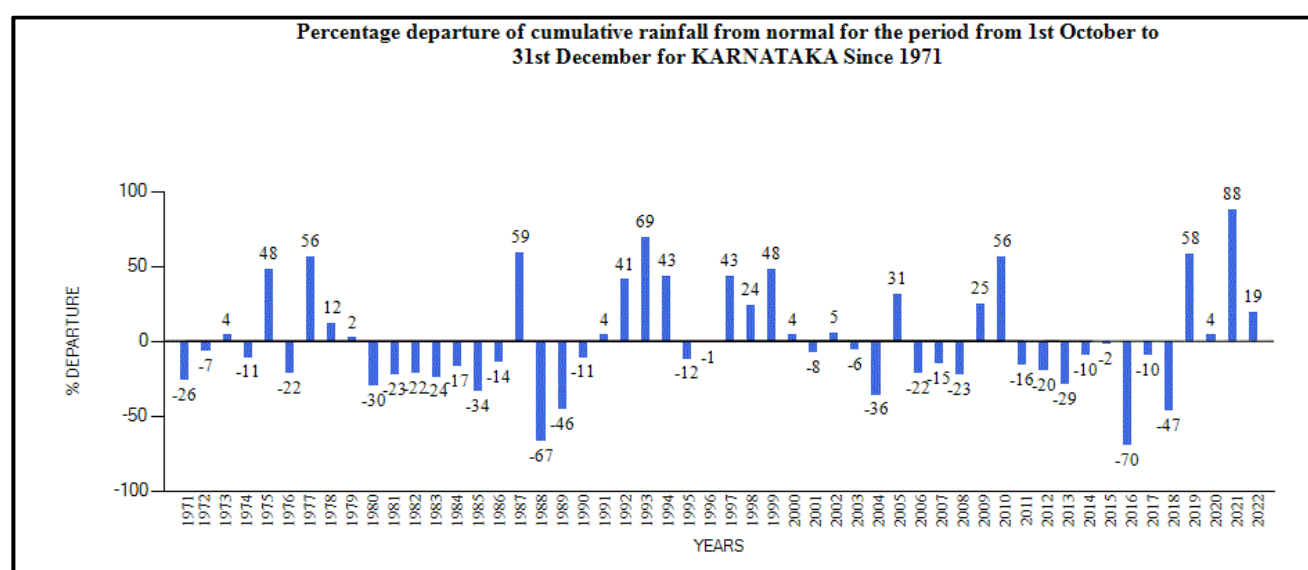
During the period from **1<sup>st</sup> October 31<sup>st</sup> December 2022** the State as a whole recorded **217 mm** of Rainfall as against the Normal Rainfall of **182 mm** with **(+) 19%** departure from Normal. Thus the State as whole is classified under **Normal** Rainfall category.

The comparison of Zone-wise Cumulative Rainfall pattern during the period from **1<sup>st</sup> October to 31<sup>st</sup> December 2022** is compared to corresponding period of past **4** years and is given below:

Region/State	Normal (mm)	2018		2019		2020		2021		2022	
		Actual (mm)	Dep%	Actual (mm)	Dep%	Actual (mm)	Dep%	Actual (mm)	Dep%	Actual (mm)	Dep%
1.SIK	201.9	118.7	-41	287.4	42	196.4	-3	485	140	<b>302</b>	<b>50</b>
2.NIK	139.7	49.2	-65	201.5	44	150.8	8	162.9	17	<b>160</b>	<b>15</b>
3.MALNAD	225.7	137	-39	376.2	67	207.3	-8	477.8	112	<b>223</b>	<b>-1</b>
4.COASTAL	259.4	186.7	-28	579.8	124	330	27	577.1	122	<b>224</b>	<b>-14</b>
<b>State</b>	<b>182.2</b>	<b>95.8</b>	<b>-47</b>	<b>287.8</b>	<b>58</b>	<b>190</b>	<b>4</b>	<b>342</b>	<b>88</b>	<b>217</b>	<b>19</b>

The percentage departure of Cumulative Rainfall from Normal during **1<sup>st</sup> October to 31<sup>st</sup> December 2022** is **(+) 19%** which is **good** when compared to the corresponding period of last 4 years.

The percentage departure of Cumulative Rainfall from Normal, for the State as a whole, during the period from **1<sup>st</sup> October to 31<sup>st</sup> December 2022** since 1971, is given below:



The figure shows that the percentage departure of Cumulative Rainfall is (+) **19% more** than the Normal for the State, during the **1<sup>st</sup> October to 31<sup>st</sup> December 2022** is and which is **less** the Rainfall of corresponding period of **last** year.

**1.2.1 District wise Cumulative Rainfall pattern during 1<sup>st</sup> October to 31<sup>st</sup> December 2022 is given in the following Table: (Total 31 Districts in the State):**

SL. No.	District	Normal(mm)	Actual(mm)	Percentage Departure
1	Mandya	217	371	71
2	Ramanagara	226	386	70
3	Bengaluru Rural	213	358	68
4	Tumakuru	186	305	64
5	Kolar	219	351	60
6	Bengaluru Urban	219	340	56
7	Belagavi	133	197	48
8	Davanagere	161	239	48
9	Vijayanagar	155	225	45
10	Mysuru	214	309	44
11	Chikkaballapura	211	303	44
12	Dharwad	148	212	43
13	Chamarajanagara	263	335	27
14	Gadag	147	180	22
15	Hassan	220	259	18
16	Chitradurga	155	182	18
17	Bagalkote	141	162	15
18	Bidar	117	131	12
19	Ballari	159	174	9
20	Chikkamagaluru	221	238	8
21	Yadgir	134	142	6
22	Koppala	149	154	3
23	Kalaburagi	127	126	-1
24	Raichur	146	142	-3
25	Dakshina Kannada	376	361	-4
26	Vijayapura	133	123	-7
27	Haveri	166	153	-8
28	Kodagu	288	244	-15
29	Shivamogga	205	171	-16
30	Uttara Kannada	187	154	-17
31	Udupi	312	241	-23
	<b>State</b>	<b>186</b>	<b>217</b>	<b>19</b>

The District wise Rainfall pattern indicates:

Rainfall category	No. of Districts
<b>Large Excess (<math>\geq 60\%</math>)</b>	4 Districts
<b>Excess (+20 to +59%)</b>	10 Districts
<b>Normal (-19 to +19%)</b>	16 Districts
<b>Deficit (-20 to -59%)</b>	1 District
<b>Large Deficit (-60 to -99%)</b>	Nil
<b>No rain (<math>\leq -100\%</math>)</b>	Nil

During the corresponding period of the preceding year (2021), the Rainfall was **Excess** in 4 Districts, **Normal** in 5 Districts, **Deficit** in 3 Districts and **Large Deficit** in 4 Districts.

**1.2.2 Taluk wise Cumulative Rainfall pattern during 1<sup>st</sup> October to 31<sup>st</sup> December 2022** is given in the following table. (**Total 227 Taluks in the State**):

Rainfall category	No. of Taluks
<b>Large Excess (<math>\geq 60\%</math>)</b>	31 Taluks
<b>Excess (+20 to +59%)</b>	79 Taluks
<b>Normal (-19 to +19%)</b>	85 Taluks
<b>Deficit (-20 to -59%)</b>	32 Taluks
<b>Large Deficit (-60 to -99%)</b>	Nil
<b>No rain (<math>\leq -100\%</math>)</b>	Nil

During the preceding year (2021), the Rainfall was **Large Excess** in 133 Taluks, **Excess** in 34 Taluks, **Normal** in 28 Taluks, **Deficit** in 31 Taluks and **Large Deficit** in 1 Taluk.

The Hobli-wise Rainfall pattern during 1<sup>st</sup> October to 31<sup>st</sup> December 2022 is given in the following Table (**Total 850 Hoblis in the State**):

Rainfall category	No. of Hoblis
<b>Large Excess (<math>\geq 60\%</math>)</b>	185 Hoblis
<b>Excess (+20 to +59%)</b>	267 Hoblis
<b>Normal (-19 to +19%)</b>	293 Hoblis
<b>Deficit (-20 to -59%)</b>	101 Hoblis
<b>Large Deficit (-60 to -99%)</b>	4 Hoblis
<b>No rain (<math>\leq -100\%</math>)</b>	Nil

During the preceding year (2020), the Rainfall was **Large Excess** in 564 Hoblis, **Excess** in 94 Hoblis, **Normal** in 107 Hoblis, **Deficit** in 80 Hoblis and **Large Deficit** in 5 Hoblis.



Figure 1.18: District wise Rainfall (mm) pattern during the Southwest Monsoon Season 2022:

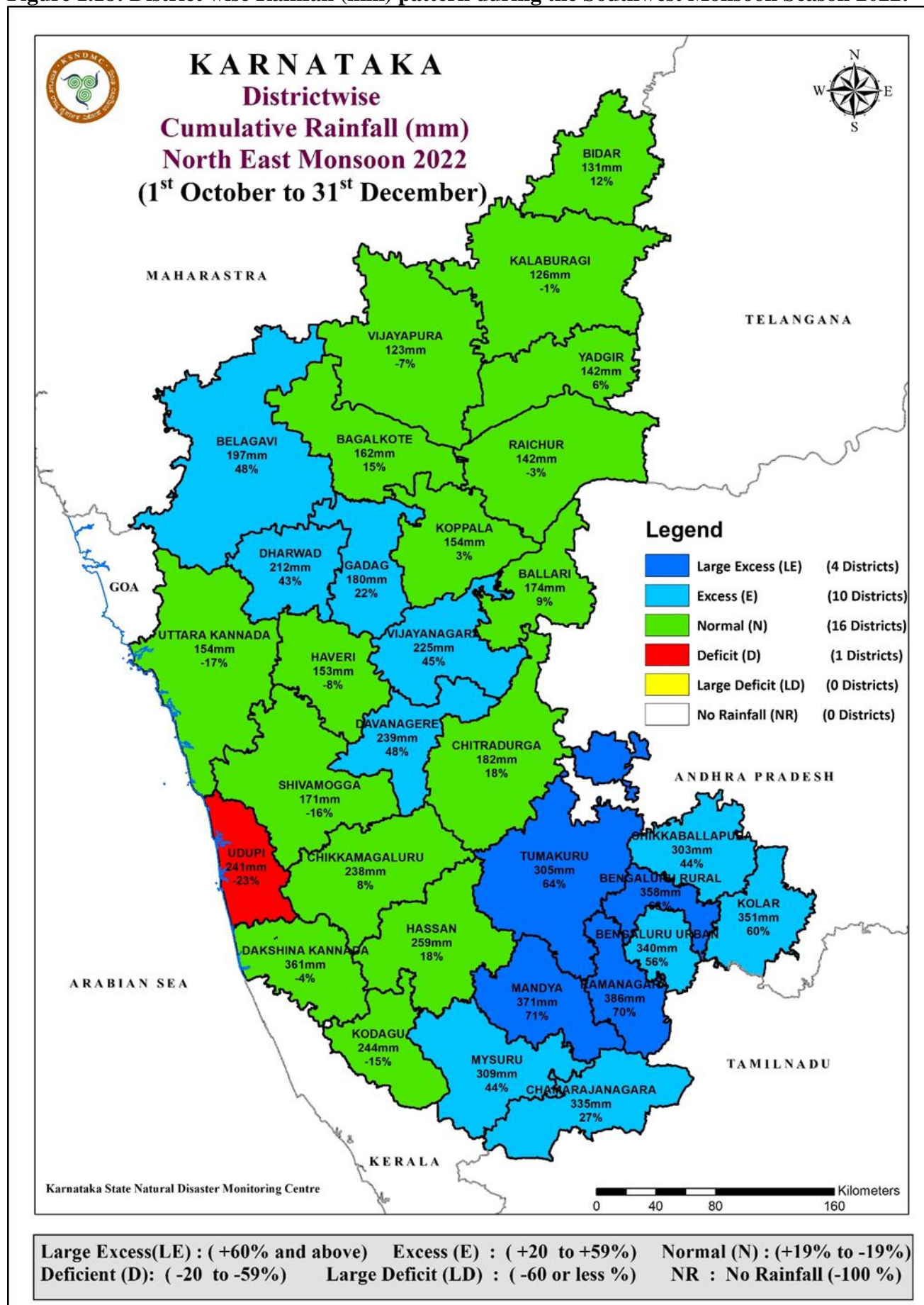


Figure 1.19: Taluk wise Rainfall (mm) pattern during the Southwest Monsoon Season 2022:

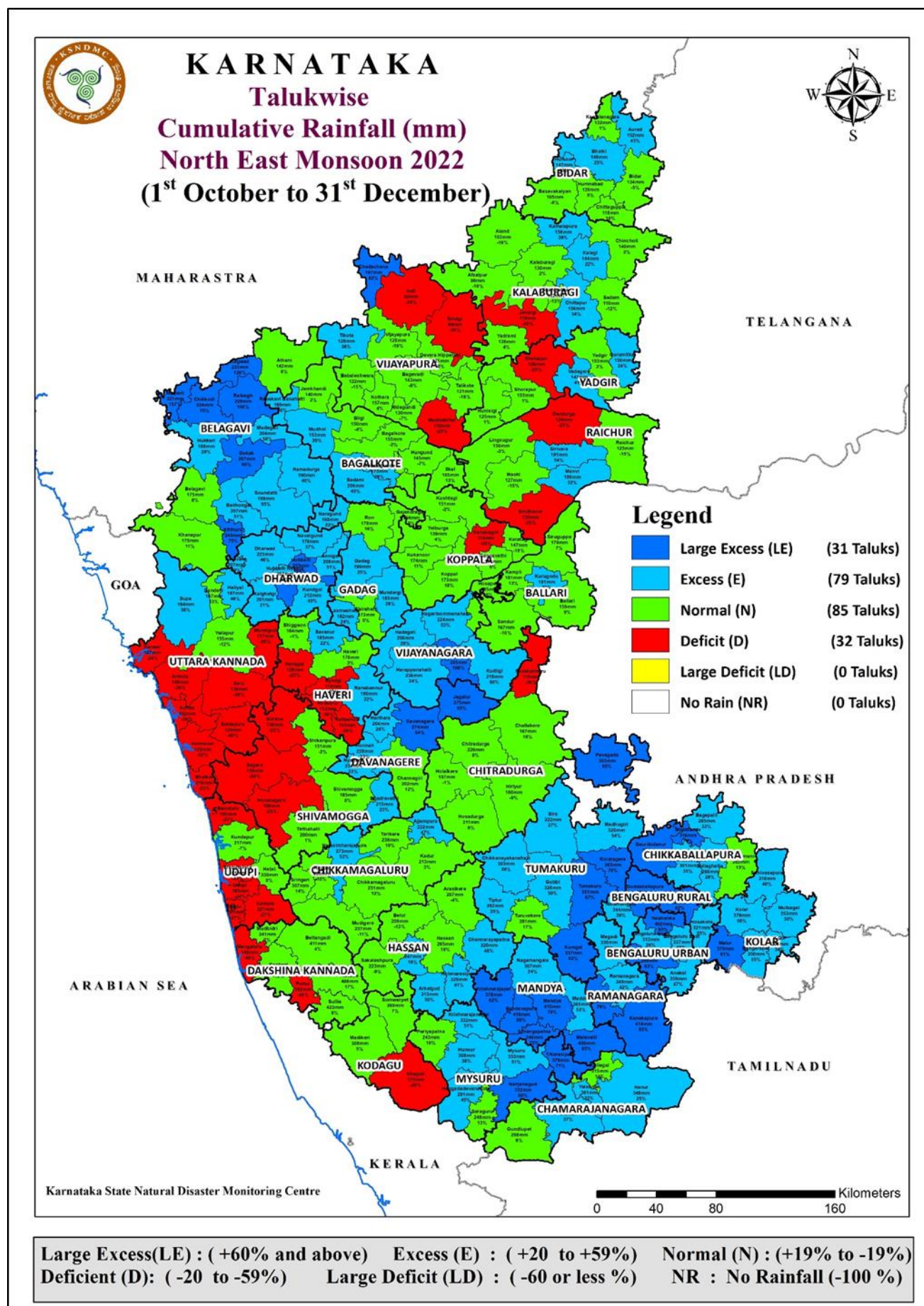
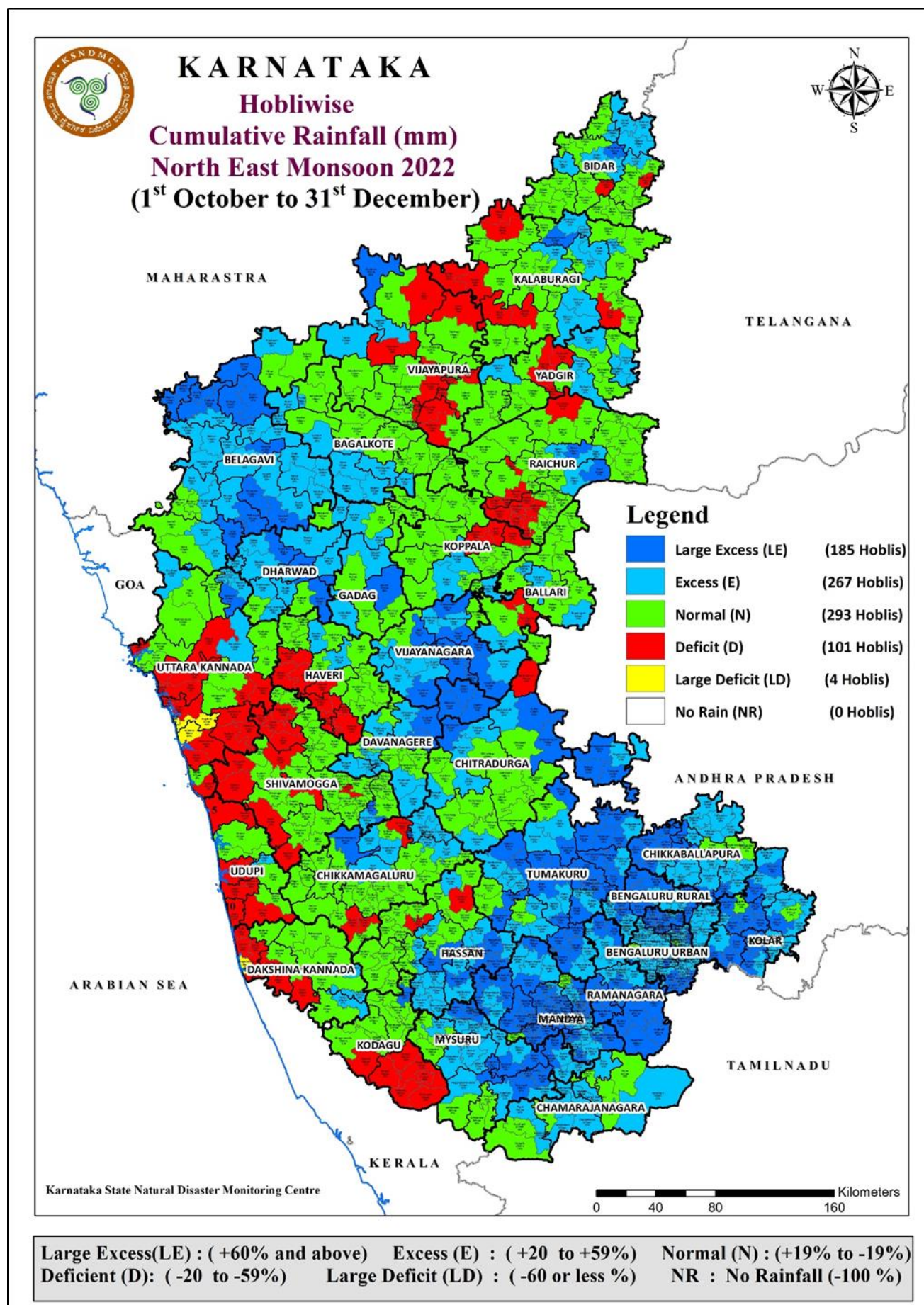




Figure 1.20: Hobli-wise Rainfall pattern during the North East Monsoon Season 2022:



## 2. AGRICULTURE SITUATION IN KARNATAKA-2022

Kharif season (June to September), accounts for about **71%** of the total agricultural area sown in the state, Rabi season (October to December) and Summer season (January to March) constitutes **25%** and **4%** of the total agricultural sown area respectively.

During 2022, **Kharif** crops recorded **72%** of total annual normal coverage. **Rabi** and **Summer** crops recorded **24%** and **4%** of annual normal coverage.

Table no. 2.1 provides the normal area for different crops and the actual area covered during the current a season. During a 2022 a total of **110.85 (109.07) lakh hectares** was sown as against the normal of **101.61 lakh hectares**.

**The figures in parenthesis in the following analysis indicate last year's coverage for the respective crops unless otherwise indicated.**

During 2022, coverage by **Cereals** was **102% (97%)** of the normal. The area covered as percentage of normal under Cereals crops are **Rice – 116%, Jowar - 74%, Ragi – 101%, Maize – 117%, Bajra – 61% and Minor Millets- 84%.**

In case of **Pulses**, the area sown was **108% (107%)** of the normal. The area covered as percentage of normal under Pulses crops are **Tur – 126%, Bengalgram – 97%, Horsegram – 85%, Blackgram– 89%, Greengram- 111%, Cowpea & others- 97% and Avare- 83%.**

In case of **Oilseeds**, the area sown was **106% (101%)** of the normal. The area covered as percentage of normal under Oilseeds crops are **Groundnut – 90%, Sesamum – 63%, Sunflower–113%, Safflower–134%, Castor–37%, Linseed–100% and Soyabean- 141%.**

In case of **Cashcrops**, the area sown was **143% (120%)** of the normal. The area covered as percentage of normal under Cashcrops crops are **Cotton- 147%, Sugarcane- 148% and Tobacco- 87%.**

**Table: 2.1: Normal area and Area sown under different major crops during 2022 in the state**

(Area in lakh ha.)

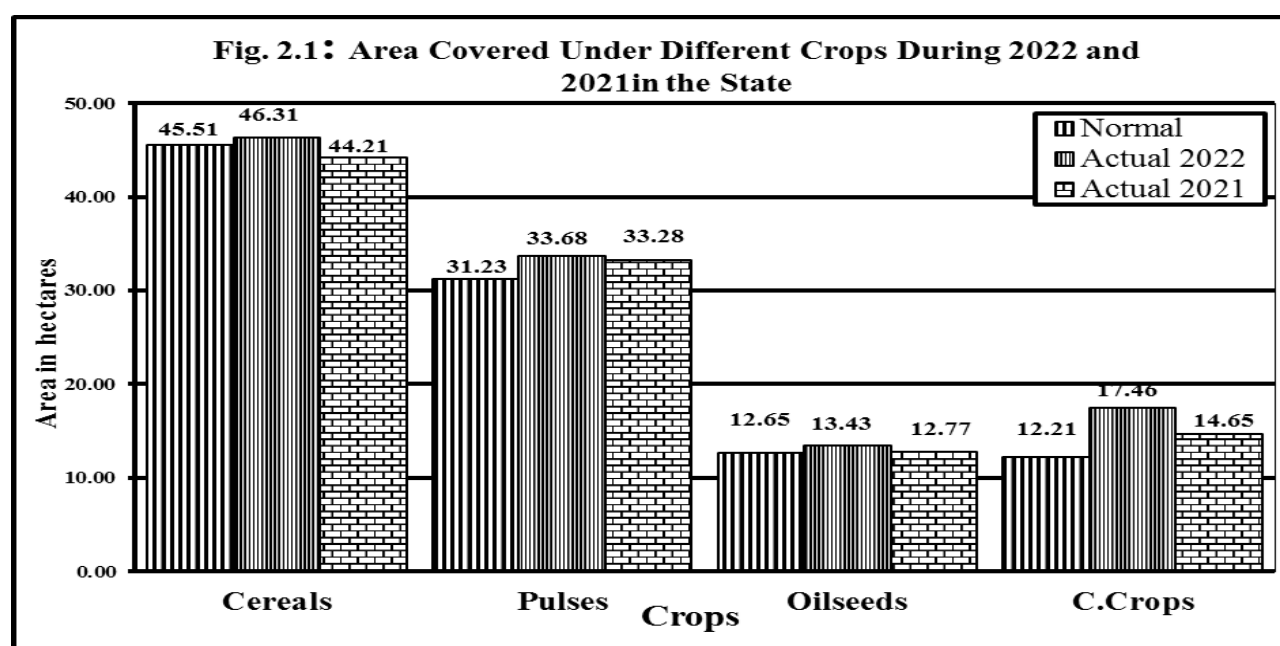
Sl. No.	Crops	Annual Normal (Kharif + Rabi + Summer)	Kharif 2022	Rabi 2022	Summer 2023	Total Area-2022 (Col.4+5+6)	Col.7 as% of Col.3	Total Area-2021 (K+R+S)	Col.9 as % of Col.3
1	2	3	4	5	6	7	8	9	10
1	Rice	11.20	10.32	0.11	2.60	13.03	116	10.87	97
2	Jowar	9.44	0.62	6.32	0.02	6.96	74	7.78	82
3	Ragi	6.75	6.42	0.38	0.05	6.85	101	7.21	107
4	Maize	13.73	14.66	1.14	0.32	16.12	117	14.97	109
5	Bajra	2.27	1.36	0.01	0.02	1.39	61	1.53	68
6	Wheat	1.78	0.00	1.65	0.00	1.65	93	1.56	88
7	Minor Millets	0.37	0.31	0.00	0.00	0.31	84	0.29	78
	<b>Total Cereals</b>	<b>45.51</b>	<b>33.69</b>	<b>9.61</b>	<b>3.01</b>	<b>46.31</b>	<b>102</b>	<b>44.21</b>	<b>97</b>
8	Tur	11.24	14.16	0.00	0.00	14.16	126	14.56	129
9	Bengalgram	12.25	0.00	11.84	0.00	11.84	97	10.94	89
10	Horsegram	1.42	0.17	1.04	0.00	1.21	85	1.22	86
11	Blackgram	1.00	0.85	0.03	0.01	0.89	89	0.98	98
12	Greengram	3.79	4.15	0.05	0.01	4.21	111	4.20	111
13	Cowpea & others	0.91	0.66	0.18	0.04	0.88	97	0.78	86
14	Avare	0.59	0.39	0.10	0.00	0.49	83	0.60	101
	<b>Total Pulses</b>	<b>31.23</b>	<b>20.38</b>	<b>13.24</b>	<b>0.06</b>	<b>33.68</b>	<b>108</b>	<b>33.28</b>	<b>107</b>
	<b>Total Foodgrains</b>	<b>76.74</b>	<b>54.07</b>	<b>22.85</b>	<b>3.07</b>	<b>79.99</b>	<b>104</b>	<b>77.49</b>	<b>101</b>
16	Groundnut	6.72	3.73	1.65	0.67	6.05	90	6.38	95
17	Sesamum	0.28	0.18	0.00	0.00	0.18	63	0.24	84
18	Sunflower	1.99	1.73	0.46	0.05	2.24	113	1.78	90
23	Safflower	0.29	0.00	0.39	0.00	0.39	134	0.34	117
19	Castor	0.08	0.03	0.00	0.00	0.03	37	0.06	75
20	Niger	0.05	0.01	0.00	0.00	0.01	20	0.03	61
24	Linseed	0.03	0.00	0.03	0.00	0.03	100	0.03	100
21	Mustard	0.02	0.00	0.00	0.00	0.00	0	0.00	0
22	Soyabean	3.18	4.42	0.06	0.01	4.49	141	3.91	123
	<b>Total Oilseeds</b>	<b>12.65</b>	<b>10.10</b>	<b>2.59</b>	<b>0.74</b>	<b>13.43</b>	<b>106</b>	<b>12.77</b>	<b>101</b>
25	Cotton	5.70	8.25	0.12	0.00	8.37	147	6.62	116
26	Sugarcane	5.62	7.18	0.96	0.18	8.32	148	7.22	128
27	Tobacco	0.88	0.77	0.00	0.00	0.77	87	0.81	92
	<b>Total Cashcrops</b>	<b>12.21</b>	<b>16.20</b>	<b>1.08</b>	<b>0.18</b>	<b>17.46</b>	<b>143</b>	<b>14.65</b>	<b>120</b>
	<b>State Total</b>	<b>101.61</b>	<b>80.39</b>	<b>26.52</b>	<b>3.99</b>	<b>110.85</b>	<b>109</b>	<b>109.07</b>	<b>107</b>

**Table: 2.2: District wise Annual Area Normal and Annual Area sown during 2022 in the state.**

(Area in lakh ha.)

Sl. No	Crops	Annual Normal (Kharif + Rabi + Summer)	Kharif 2022	Rabi 2022	Summer 2023	Total Area-2022 (Col.4+5+6)	Col.7 as% of Col.3	Total Area-2021 (K+R+S)	Col.9 as % of Col.3
1	2	3	4	5	6	7	8	9	10
1	Bengaluru Rural	0.53	0.69	0.01	0.00	0.70	132	0.57	108
2	Bengaluru Urban	0.19	0.21	0.00	0.00	0.21	111	0.19	100
3	Chamarajanagara	1.49	1.19	0.36	0.02	1.57	105	1.51	101
4	Chikkaballapura	1.34	1.24	0.04	0.02	1.30	97	1.36	101
5	Chitradurga	3.50	3.13	0.63	0.07	3.83	109	4.18	119
6	Davanagere	3.26	2.40	0.21	0.45	3.06	94	3.01	92
7	Kolar	0.87	0.77	0.03	0.01	0.81	93	0.96	110
8	Mandya	2.02	1.68	0.35	0.04	2.07	102	2.35	116
9	Mysuru	4.26	3.90	0.62	0.02	4.54	107	4.62	108
10	Ramanagara	0.97	0.84	0.04	0.00	0.88	91	0.96	99
11	Tumakuru	2.96	2.45	0.04	0.03	2.52	85	3.64	123
	<b>SIK</b>	<b>21.39</b>	<b>18.50</b>	<b>2.33</b>	<b>0.66</b>	<b>21.49</b>	<b>100</b>	<b>23.35</b>	<b>109</b>
12	Bagalkote	5.84	2.97	3.06	0.13	6.16	105	6.02	103
13	Ballari	5.05	1.74	0.44	0.53	2.71	54	5.92	117
14	Belagavi	9.87	7.54	3.46	0.09	11.09	112	10.21	103
15	Bidar	4.54	4.00	1.42	0.01	5.43	120	4.79	106
16	Dharwad	4.13	2.74	2.07	0.03	4.84	117	4.11	100
17	Gadag	4.79	3.20	2.64	0.04	5.88	123	5.71	119
18	Haveri	3.75	3.27	0.75	0.18	4.20	112	3.99	106
19	Kalaburagi	10.00	7.80	2.85	0.01	10.66	107	10.31	103
20	Koppala	4.50	3.17	1.75	0.66	5.58	124	5.19	115
21	Raichur	6.74	5.23	1.97	0.62	7.82	116	7.83	116
22	Vijayapura	9.38	7.33	1.84	0.27	9.44	101	9.56	102
23	Vijayanagara	0.00	2.85	0.45	0.23	3.53	0	0.00	0
24	Yadgir	4.21	3.87	0.87	0.26	5.00	119	4.96	118
	<b>NIK</b>	<b>72.80</b>	<b>55.71</b>	<b>23.57</b>	<b>3.06</b>	<b>82.34</b>	<b>113</b>	<b>78.60</b>	<b>108</b>
25	Chikkamagalur	1.51	0.97	0.27	0.00	1.24	82	1.52	101
26	Hassan	2.36	2.55	0.18	0.01	2.74	116	2.41	102
27	Kodagu	0.28	0.26	0.00	0.00	0.26	93	0.27	96
28	Shivamogga	1.73	1.28	0.01	0.20	1.49	86	1.60	92
	<b>Malnad</b>	<b>5.99</b>	<b>5.06</b>	<b>0.46</b>	<b>0.21</b>	<b>5.73</b>	<b>96</b>	<b>5.80</b>	<b>97</b>
29	D.Kannada	0.29	0.09	0.01	0.00	0.10	34	0.14	48
30	Udupi	0.49	0.37	0.10	0.00	0.47	96	0.44	90
31	Uttara kannada	0.79	0.66	0.04	0.02	0.72	91	0.74	94
	<b>Coastal</b>	<b>1.57</b>	<b>1.12</b>	<b>0.15</b>	<b>0.02</b>	<b>1.29</b>	<b>82</b>	<b>1.32</b>	<b>84</b>
	<b>State Total</b>	<b>101.61</b>	<b>80.39</b>	<b>26.52</b>	<b>3.99</b>	<b>110.85</b>	<b>109</b>	<b>109.07</b>	<b>107</b>

Fig. 2.1 provides a diagrammatic representation of the coverage by various crop groups during 2022



#### 4. 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 4.1

##### **The Salient findings are as follows:**

At the end of **September 2022**, due to **Normal** rainfall over major parts of the State, **4%** of the geographical area is falling under **Moderate to Severe** condition and remaining **96%** of the geographical area is falling under **Normal agriculturally favorable** condition.

At the end of **December 2022**, due to **Normal** rainfall over major parts of the State **78%** of the area is falling under **Moderate to Severe** condition and remaining **22%** of the geographical area is falling under **Normal agriculturally favorable** condition.



Figure 4.1: Moisture Adequacy Index (MAI) for SW Monsoon 2022

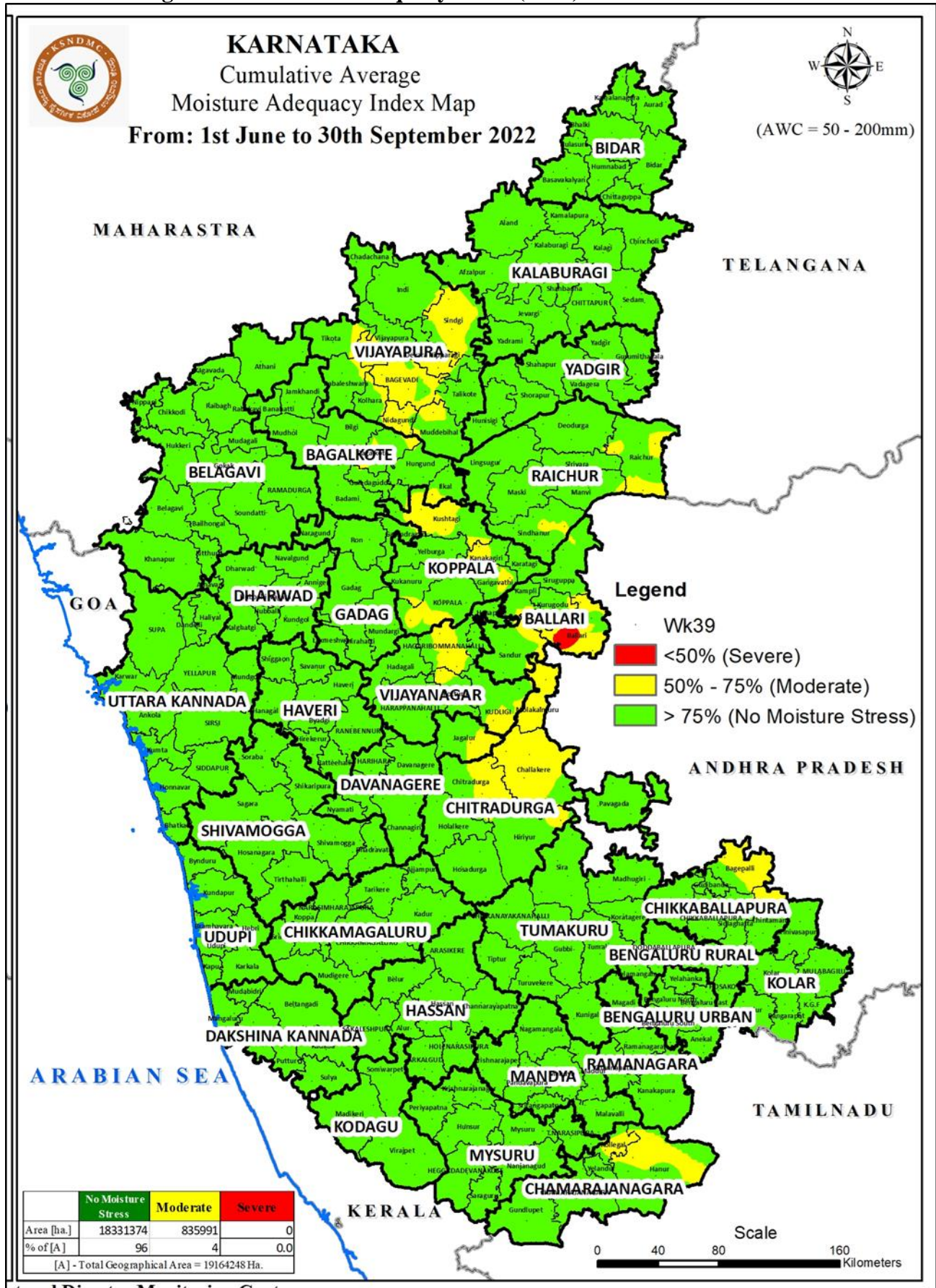
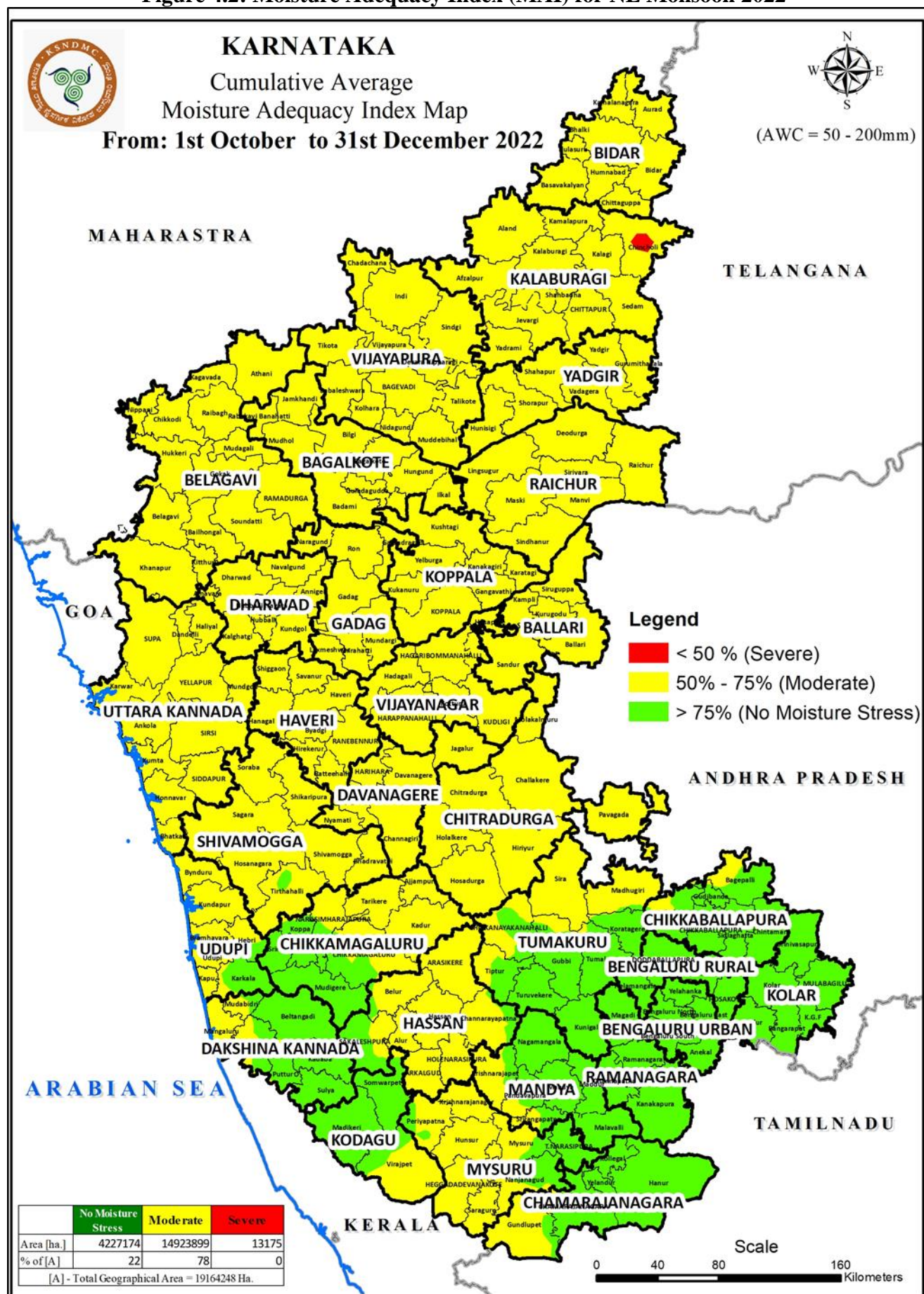




Figure 4.2: Moisture Adequacy Index (MAI) for NE Monsoon 2022





## 5. MAJOR RESERVOIR LEVELS IN THE STATE

The position of reservoir levels from 23<sup>rd</sup> standard week (01.06.2022) to 52<sup>nd</sup> standard week (31.12.2022), their respective maximum levels, previous year levels reservoir level during recent 10 years depicting maximum, minimum and average levels during particular standard weeks, difference in RL compared to the 10 years average level and difference in RL compared to the previous year level are given in table no. 5.2 to 5.14

**Hydel generation reservoirs: Linganamakki, Supa and Varahi** are the three main Hydel generation reservoirs of the state which come under west coast basin. The state receives maximum rainfall in the catchments of these basins and the annual rainfall is about 3000 to 4000 mm.

During the water year 2021, the levels in **Linganamakki** reservoir levels in most of the standard weeks were **highest** compared to the recent 10 years average levels. Maximum rise in reservoir level of **17.65 feet** was during **27<sup>th</sup> std week**. The highest level of **1816.30 feet** was reached during **37<sup>th</sup> std. week** against full reservoir level of **1819 feet**. The level during the season was **more** by **18.51 feet** compared to the average level and also **more** by **1.90 feet** compared to previous year level.

In the **Supa** reservoir, levels in most of the standard weeks were **higher** compared to the recent 10 years average levels. Maximum rise in reservoir level of **32.15 feet** was during **28<sup>th</sup> week**. The highest level of **1817.90 feet** was reached during **38<sup>th</sup> std. week** against full reservoir level of **1850.48 feet**. The level during the season was **more** by **7.41 feet** compared to the average level and **less** by **68.34 feet** compared to previous year level.

In the **Varahi** reservoir, levels in most of the standard weeks were **higher** compared to the recent 10 years average levels. Maximum rise in reservoir level of **20.47 feet** was during **27<sup>th</sup> week**. The highest level of **1936.18 feet** was reached during **38<sup>th</sup> std. week** against full reservoir level of **1950.10 feet**. The level during the season was **more** by **11.84 feet** compared to the average level and **more** by **19.49 feet** compared to previous year level.

**Reservoirs Cauvery Basin:** The 4 major reservoirs of **Cauvery basin viz., Harangi, Hemavathi, K.R.S and Kabini** are used for irrigation purpose.

In the **Harangi** reservoir, levels in most of the standard weeks were **higher** compared to the recent 10 years average levels. Maximum rise in reservoir level of **2.81 feet** was during **26<sup>th</sup> week**. The highest level of **2858.00 feet** was reached during **37<sup>th</sup> std. week** against full reservoir level of **2859.00 feet**. The level during the season was **more** by **41.96 feet** compared to the average level and **more** by **27.51 feet** compared to previous year level.

In the **Hemavathi** reservoir, levels in all the standard weeks were **higher** compared to the recent 10 years average levels. Maximum rise in reservoir level of **37.38 feet** was during **23<sup>rd</sup> week**. The highest level of **2920.41 feet** was reached during **30<sup>th</sup> std. week** against full reservoir level of **2922.00 feet**. The level during the season was **more** by **37.38 feet** compared to the average level and also **more** by **25.35 feet** compared to previous year level.

In the **K.R.S** reservoir, levels in all the standard weeks were **higher** compared to the recent 10 years average levels. Maximum rise in reservoir level of **11.84 feet** was during **27<sup>th</sup> week**. The full reservoir level of **124.80 feet** was reached during **42<sup>nd</sup> std. week**. The level during the season was **more** by **29.19 feet** compared to the average level and **more** by **33.78 feet** compared to previous year level.

In the **Kabini** reservoir, levels in all the standard weeks were **higher** compared to the recent 10 years average levels. Maximum rise in reservoir level of **13.94 feet** was during **27<sup>th</sup> std. week**. The full reservoir level of **2284.00 feet** was reached during **29<sup>th</sup> std. week**. The level during the season was **more** by **7.96 feet** compared to the average level and **more** by **3.64 feet** compared to previous year level.

**Krishna Basin reservoirs: Bhadra, Tungabhadra, Ghataprabha, Malaprabha, Alamatti and Narayanapura** are the major irrigation reservoirs under **Krishna basin**.

In **Bhadra** reservoir, levels during all the standard weeks were **higher** compared to the recent 10 years average levels. Maximum rise in reservoir level of **17.81 feet** was during **28<sup>th</sup> week**. The full reservoir level of **2158.00 feet** was reached during **41<sup>st</sup> std. week**. The level during the season was **more** by **35.91 feet** compared to the average level and **more** by **25.14 feet** compared to previous year level.

In **Tungabhadra** reservoir, levels in all the standard weeks were **higher** compared to the recent 10 years average levels. Maximum rise in reservoir level of **9.21 feet** was during **28<sup>th</sup> week**. The full reservoir level of **1633.00 feet** was reached during **40<sup>th</sup> std. week**. The level during the season was **more** by **31.67 feet** compared to the average level and also **more** by **22.31 feet** compared to previous year level.

In **Ghataprabha** reservoir, levels in all the standard weeks were **higher** compared to the recent 10 years average levels. Maximum rise in reservoir level of **34.32 feet** was during **28<sup>th</sup> std. week**. The full reservoir level of **2175.00 feet** was reached during **34<sup>th</sup> std. week**. The level during the season was **more** by **22.19 feet** compared to the average level and **more** by **14.48 feet** compared to previous year level.

In **Malaprabha** reservoir, levels in all the standard weeks were **higher** compared to the recent 10 years average levels. Maximum rise in reservoir level of **7.40 feet** was during **28<sup>th</sup> week**. The full reservoir level of **2079.50 feet** was reached during **35<sup>th</sup> std. week**. The level during the season was **more** by **16.72 feet** compared to the average level and **more** by **3.00 feet** compared to previous year level.

In the **Alamatti** reservoir, levels in all the standard weeks were **higher** compared to the recent 10 years average levels. Maximum rise in reservoir level of **7.12 feet** was during **28<sup>th</sup> week**. The full reservoir level of **1704.70 feet** was reached during **34<sup>th</sup> std. week**. The level during the season was **more** by **19.70 feet** compared to the average level and **more** by **14.93 feet** compared to previous year level.

In the **Narayanapura** reservoir, levels in most of the standard weeks were **higher** compared to the recent 10 years average levels. Maximum rise in reservoir level of **9.12 feet** was during **51<sup>st</sup> week**. The full reservoir level of **1614.80 feet** was reached during **39<sup>th</sup> std. week** against full reservoir level of **1615.00 feet**. The level during the season was **more** by **11.48 feet** compared to the average level and **more** by **7.35 feet** compared to previous year level.

*The levels at all the major reservoirs were better when compared to average levels and also previous year levels.*

Table-5.1

Name of the Reservoir: (1) LINGANAMAKKI

Basin: HYDEL GENERATION RESERVOIR

Full Reservoir Level: 1819

Unit: in feet

Reservoir level (RL): above mean sea level

Std. Week No	Reservoir Level information during recent 10 years			Levels during 2022	Difference in RL of 2022 compared to the Average level	Levels during 2021.	Difference in RL of 2022 compared Maximum
	Maximum	Minimum	Average 10 years				
23	1775.80	1742.40	1754.51	1752.15	-2.36	1775.80	-23.65
24	1779.25	1744.65	1755.10	1750.00	-5.09	1779.25	-29.25
25	1785.60	1744.10	1757.18	1750.05	-7.13	1785.60	-35.55
26	1785.05	1746.55	1760.89	1754.95	-5.94	1785.05	-30.10
27	1784.50	1748.55	1766.98	1772.60	5.62	1783.95	-11.35
28	1792.45	1753.05	1772.48	1789.70	17.22	1788.10	1.60
29	1801.35	1757.60	1779.99	1798.50	18.51	1796.60	1.90
30	1811.50	1767.90	1786.86	1798.40	11.54	1806.20	-7.80
31	1817.00	1776.40	1792.79	1800.50	7.71	1809.65	-9.15
32	1818.00	1784.45	1801.06	1810.55	9.49	1812.00	-1.45
33	1819.00	1785.45	1804.01	1813.00	8.99	1812.55	0.45
34	1819.00	1787.07	1805.52	1814.15	8.63	1812.60	1.55
35	1818.90	1787.24	1807.13	1814.70	7.57	1812.80	1.90
36	1818.95	1787.20	1807.92	1814.80	6.88	1813.85	0.95
37	1818.75	1787.94	1808.58	1816.60	8.02	1816.30	0.30
38	1819.00	1790.95	1809.47	1816.50	7.03	1816.10	0.40
39	1818.80	1791.79	1809.73	1815.65	5.92	1815.90	-0.25
40	1818.65	1792.44	1809.85	1815.09	5.24	1816.15	-1.06
41	1818.80	1793.01	1809.72	1814.40	4.68	1815.80	-1.40
42	1818.95	1792.98	1809.47	1814.00	4.53	1815.10	-1.10
43	1818.50	1793.04	1808.90	1813.20	4.30	1815.05	-1.85
44	1818.40	1793.01	1808.59	1812.00	3.41	1814.30	-2.30
45	1817.95	1793.24	1807.96	1810.95	2.99	1813.80	-2.85
46	1817.25	1793.25	1807.28	1809.75	2.47	1813.60	-3.85
47	1816.30	1793.19	1806.59	1808.85	2.26	1813.05	-4.20
48	1815.40	1793.00	1805.76	1807.40	1.64	1812.30	-4.90
49	1814.40	1792.25	1804.72	1806.15	1.43	1811.45	-5.30
50	1813.25	1791.70	1803.80	1805.20	1.40	1810.35	-5.15
51	1812.10	1791.10	1802.84	1803.70	0.86	1809.35	-5.65
52	1810.65	1790.25	1801.54	1801.85	0.31	1807.95	-6.10

**Fig - 5.1: Weekly Reservoir Level : Linganamakki Reservoir (Hydel-West Flowing)**  
**River : Sharavathi**  
**Location: Linganamakki, Shimoga district**

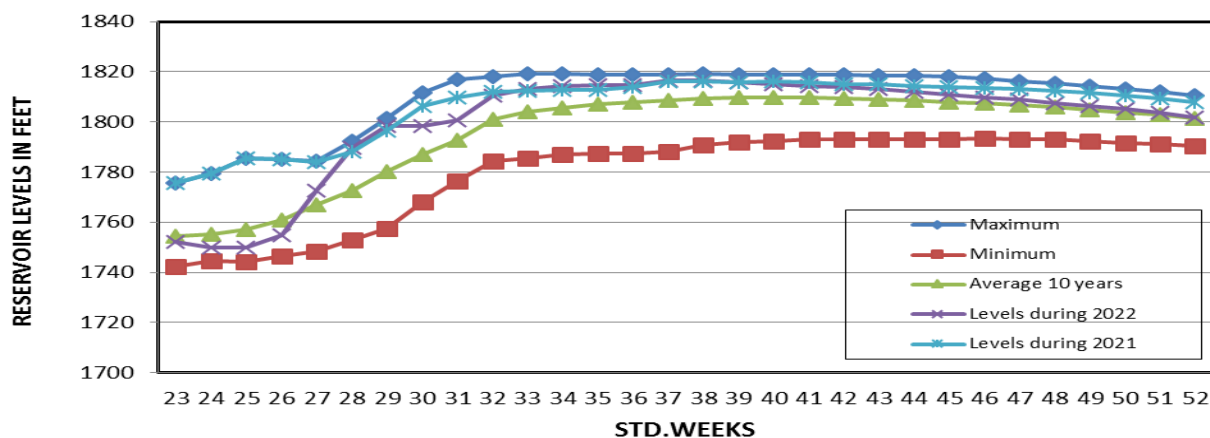


Table-5.2

Name of the Reservoir: (2) SUPA

Basin: HYDEL GENERATION RESERVOIR

Full Reservoir Level: 1849.89

Unit: in feet

Reservoir level (RL): above mean sea level

Std. Week No.	Reservoir Level information during recent 10 years			Levels during 2022	Difference in RL of 2022 compared to the Average level	Levels during 2021.	Difference in RL of 2022 compared Maximum
	Maximum	Minimum	Average 10 years				
23	1757.21	1698.00	1737.36	1703.69	-33.67	1757.21	-53.51
24	1759.93	1692.00	1737.66	1700.38	-37.28	1759.93	-59.55
25	1768.98	1692.64	1736.00	1700.64	-35.36	1768.98	-68.34
26	1767.87	1690.68	1737.44	1702.28	-35.16	1767.87	-65.59
27	1764.69	1700.35	1743.03	1727.12	-15.91	1764.69	-37.57
28	1784.65	1703.96	1751.87	1759.27	7.41	1771.74	-12.47
29	1803.18	1709.86	1763.35	1763.54	0.18	1782.90	-19.36
30	1811.87	1730.99	1776.80	1777.58	0.78	1808.26	-30.68
31	1824.07	1748.57	1786.65	1778.86	-7.79	1815.38	-36.52
32	1839.82	1771.20	1799.58	1792.74	-6.84	1819.31	-26.58
33	1845.30	1774.69	1806.02	1799.53	-6.49	1819.74	-20.21
34	1846.34	1772.49	1808.71	1804.06	-4.65	1820.17	-16.11
35	1846.97	1770.66	1812.00	1806.42	-5.58	1820.20	-13.78
36	1848.35	1764.88	1813.76	1807.93	-5.83	1822.60	-14.67
37	1846.64	1769.94	1815.27	1815.48	0.20	1826.86	-11.39
38	1846.64	1772.02	1817.29	1817.90	0.61	1827.65	-9.74
39	1846.48	1772.09	1818.17	1816.98	-1.19	1826.63	-9.65
40	1846.64	1772.53	1818.53	1816.62	-1.90	1827.02	-10.40
41	1846.77	1773.38	1818.80	1816.72	-2.08	1827.75	-11.02
42	1846.90	1773.06	1817.97	1817.18	-0.78	1826.14	-8.96
43	1848.80	1773.39	1817.88	1817.08	-0.80	1825.29	-8.20
44	1848.58	1773.66	1817.34	1815.77	-1.57	1824.14	-8.37
45	1848.28	1773.96	1816.60	1814.59	-2.01	1823.15	-8.56
46	1847.23	1773.99	1815.57	1813.77	-1.80	1822.07	-8.30
47	1845.92	1774.00	1814.43	1812.62	-1.81	1821.22	-8.60
48	1844.15	1774.00	1813.13	1811.44	-1.69	1820.36	-8.92
49	1842.84	1774.02	1811.56	1810.65	-0.90	1818.95	-8.30
50	1840.80	1773.98	1810.19	1809.93	-0.26	1816.82	-6.89
51	1838.37	1773.43	1808.74	1808.22	-0.51	1814.98	-6.76
52	1834.70	1772.45	1806.75	1805.17	-1.58	1812.42	-7.25

Fig - 5.2: Weekly Reservoir Level: Supa Reservoir (Hydel - West Flowing)

River : Kali

Location: Supa, Uttara Kannada district

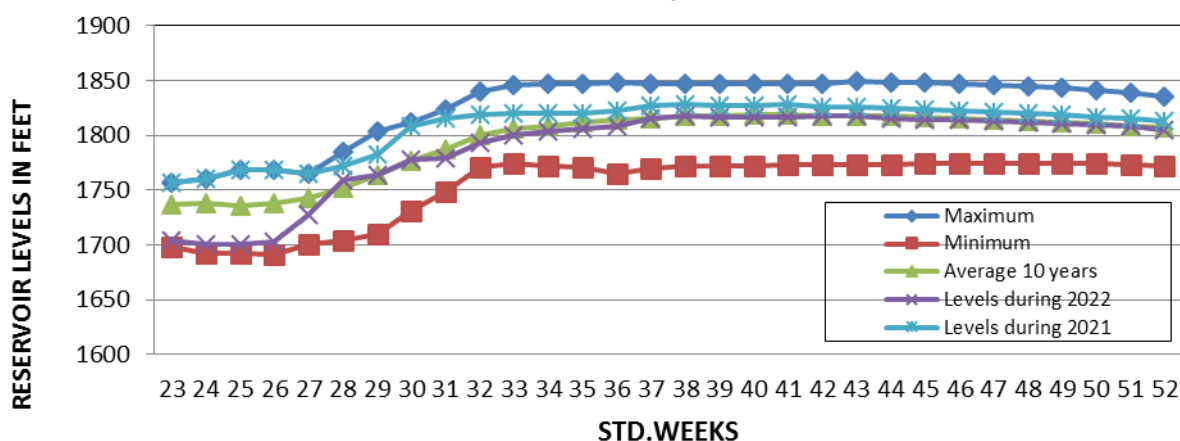


Table-5.3

Name of the Reservoir: (3) VARAHI

Basin: HYDEL GENERATION RESERVOIR

Full Reservoir Level: 1949.44

Unit: in feet

Reservoir level (RL): above mean sea level

Std. Week No.	Reservoir Level information during			Levels during 2022	Difference in RL of 2022 compared to the Average level	Levels during 2021	Difference in RL of 2022 compared Maximum
	recent 10 years						
	Maximum	Minimum	Average 10 years				
23	1886.41	1868.82	1878.23	1866.95	-11.28	1868.82	-1.87
24	1893.74	1870.00	1879.51	1867.45	-12.06	1871.88	-4.43
25	1893.48	1868.35	1881.91	1868.40	-13.51	1882.97	-14.57
26	1898.79	1873.73	1884.76	1870.17	-14.59	1875.88	-5.71
27	1907.39	1878.39	1890.44	1890.64	0.20	1881.85	8.79
28	1914.86	1885.44	1895.73	1907.57	11.84	1888.08	19.49
29	1923.72	1889.15	1903.05	1914.79	11.75	1897.27	17.52
30	1933.72	1890.46	1910.39	1916.76	6.37	1907.51	9.25
31	1939.69	1896.43	1915.20	1918.53	3.34	1914.07	4.46
32	1941.83	1909.94	1922.75	1927.19	4.44	1918.86	8.33
33	1947.66	1915.06	1926.98	1929.16	2.18	1920.83	8.33
34	1948.45	1918.67	1928.94	1931.20	2.26	1922.01	9.19
35	1948.52	1919.62	1930.50	1932.05	1.55	1922.80	9.25
36	1948.42	1920.11	1932.24	1932.77	0.53	1925.42	7.35
37	1947.66	1920.11	1933.31	1935.72	2.41	1928.57	7.15
38	1947.66	1921.42	1934.35	1936.18	1.83	1928.37	7.81
39	1947.70	1923.06	1934.48	1935.86	1.38	1928.37	7.48
40	1947.96	1923.12	1934.49	1935.40	0.91	1927.98	7.42
41	1947.37	1922.74	1934.07	1935.00	0.94	1927.52	7.48
42	1946.61	1921.75	1933.60	1934.35	0.75	1926.34	8.01
43	1946.02	1920.70	1933.10	1933.59	0.49	1926.01	7.58
44	1945.83	1920.31	1932.72	1932.71	-0.01	1925.55	7.15
45	1945.04	1919.62	1932.01	1931.33	-0.68	1925.23	6.10
46	1943.27	1919.03	1931.05	1929.88	-1.17	1925.03	4.86
47	1941.66	1918.73	1930.38	1928.44	-1.94	1924.83	3.61
48	1940.38	1918.01	1929.33	1927.29	-2.03	1923.98	3.31
49	1938.97	1917.00	1928.65	1926.21	-2.44	1926.47	-0.26
50	1937.23	1916.57	1927.18	1925.23	-1.95	1923.13	2.10
51	1935.20	1916.24	1926.26	1923.91	-2.35	1922.21	1.71
52	1933.43	1915.39	1924.80	1921.29	-3.51	1920.89	0.39

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

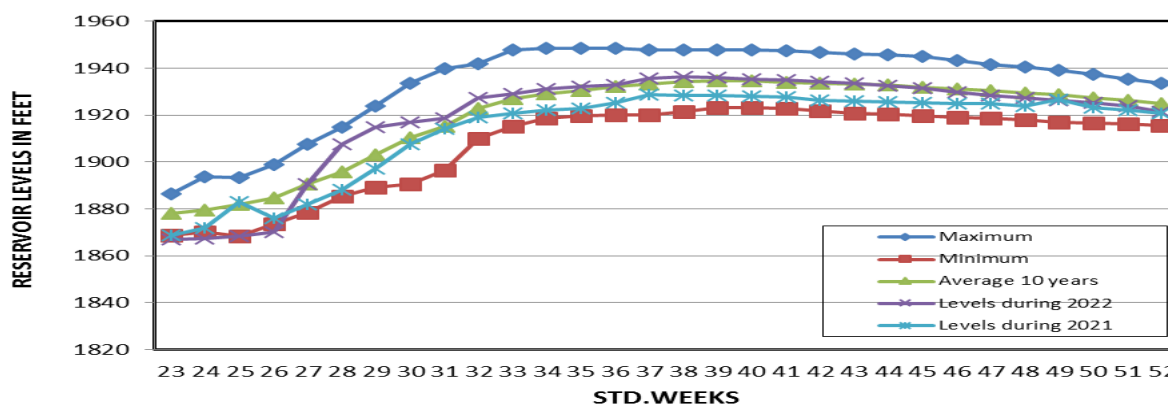


Table-5.4

Name of the Reservoir: (4) HARANGI

Basin: CAUVERY GENERATION RESERVOIR

Full Reservoir Level: 2859

Unit: in feet

Reservoir level (RL): above mean sea level

Std. Week No.	Reservoir Level information during			Levels during 2022	Difference in	Levels during 2021	Difference in RL of 2022 compared Maximum
	recent 10 years				RL of 2022		
	Maximum	Minimum	Average 10 years		compared to the		
					Average level		
23	23	2831.44	2797.77	2808.79	2850.75	41.96	2823.24
24	24	2833.52	2801.28	2815.39	2851.45	36.06	2831.57
25	25	2838.93	2806.81	2822.16	2852.67	30.51	2838.93
26	26	2857.14	2808.07	2832.40	2855.48	23.08	2841.32
27	27	2856.73	2812.30	2838.60	2853.69	15.09	2842.83
28	28	2857.30	2818.81	2845.07	2853.81	8.74	2853.69
29	29	2858.26	2827.56	2850.91	2856.00	5.09	2855.56
30	30	2858.53	2833.79	2853.94	2857.35	3.41	2855.56
31	31	2858.41	2833.29	2854.74	2856.28	1.54	2855.69
32	32	2858.26	2854.39	2856.71	2854.58	-2.13	2855.61
33	33	2858.21	2851.72	2856.86	2856.73	-0.13	2858.21
34	34	2858.26	2854.88	2857.08	2857.39	0.31	2857.65
35	35	2858.40	2853.84	2856.94	2855.76	-1.18	2858.12
36	36	2858.75	2851.40	2856.30	2856.63	0.33	2858.06
37	37	2858.56	2843.79	2855.43	2858.00	2.57	2858.48
38	38	2858.63	2842.58	2854.76	2857.73	2.97	2858.63
39	39	2858.88	2841.17	2854.67	2856.25	1.58	2857.57
40	40	2858.22	2835.59	2852.81	2854.08	1.27	2858.22
41	41	2858.50	2833.25	2851.58	2853.32	1.74	2858.50
42	42	2858.39	2829.05	2850.31	2855.49	5.18	2858.33
43	43	2858.15	2823.31	2848.51	2855.23	6.72	2858.15
44	44	2857.15	2816.06	2843.65	2851.94	8.29	2857.15
45	45	2857.67	2809.62	2840.01	2848.02	8.02	2857.67
46	46	2858.04	2802.06	2834.66	2845.36	10.70	2858.04
47	47	2857.51	2792.63	2830.88	2841.02	10.14	2857.51
48	48	2856.87	2787.80	2826.23	2837.56	11.33	2856.87
49	49	2855.16	2784.78	2821.10	2833.61	12.51	2855.16
50	50	2853.96	2783.47	2816.39	2831.11	14.72	2853.96
51	51	2854.09	2783.26	2812.91	2828.19	15.28	2854.09
52	52	2854.98	2782.28	2810.61	2828.08	17.47	2854.98

Fig - 5.4: Weekly Reservoir Level: Harangi Reservoir (Cauvery Basin)  
River : Harangi

Location: Somwarpet, Kodagu district

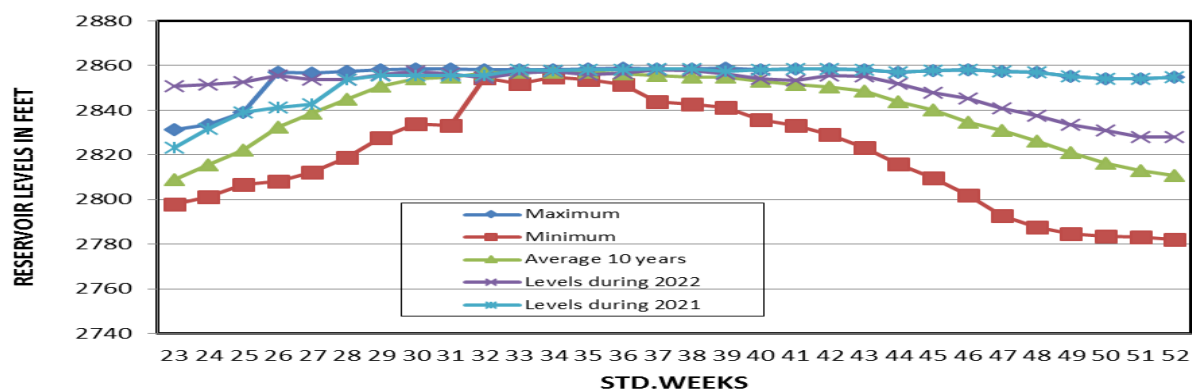


Table-5.5

Name of the Reservoir: (5) HEMAVATHI

Basin: CAUVERY GENERATION RESERVOIR

Full Reservoir Level: 2922

Unit: in feet

Reservoir level (RL): above mean sea level

Std. Week No.	Reservoir Level information during			Levels during 2022	Difference in	Levels during 2021	Difference in RL of 2022 compared Maximum
	recent 10 years				RL of 2022		
	Maximum	Minimum	Average 10 years		compared to the		
					Average level		
23	2879.97	2852.70	2867.71	2905.09	37.38	2879.74	25.35
24	2898.66	2855.93	2872.05	2905.25	33.20	2883.35	21.90
25	2902.20	2858.10	2876.60	2905.47	28.87	2894.43	11.04
26	2906.96	2865.29	2882.82	2907.92	25.10	2895.82	12.10
27	2908.91	2870.30	2889.06	2915.44	26.38	2896.10	19.34
28	2920.15	2874.18	2894.37	2920.40	26.03	2899.19	21.21
29	2919.93	2885.72	2900.29	2921.50	21.21	2908.32	13.18
30	2920.75	2892.33	2905.87	2922.00	16.13	2919.35	2.65
31	2921.08	2894.27	2908.59	2921.75	13.16	2919.75	2.00
32	2921.71	2895.83	2914.57	2921.60	7.03	2920.41	1.19
33	2921.97	2893.50	2914.48	2921.95	7.47	2919.61	2.34
34	2921.81	2893.58	2913.85	2921.80	7.95	2918.22	3.58
35	2921.93	2894.20	2913.17	2921.90	8.73	2916.46	5.44
36	2921.75	2890.40	2912.01	2921.82	9.81	2915.28	6.54
37	2921.95	2877.50	2910.20	2921.95	11.75	2916.98	4.97
38	2921.81	2873.41	2909.04	2921.95	12.91	2915.74	6.21
39	2921.75	2876.35	2908.46	2921.68	13.22	2914.06	7.62
40	2921.41	2875.33	2906.91	2921.45	14.54	2912.92	8.53
41	2921.25	2871.70	2905.28	2921.85	16.57	2911.59	10.26
42	2920.75	2872.25	2904.22	2921.75	17.53	2910.52	11.23
43	2921.71	2870.81	2902.69	2921.37	18.68	2910.45	10.92
44	2921.04	2868.02	2900.49	2920.25	19.76	2909.33	10.92
45	2919.75	2868.04	2898.86	2919.00	20.14	2908.93	10.07
46	2917.75	2864.81	2897.19	2917.55	20.36	2909.85	7.70
47	2915.29	2864.93	2896.12	2916.00	19.88	2913.04	2.96
48	2913.89	2864.94	2894.55	2914.40	19.85	2913.89	0.51
49	2913.58	2864.95	2891.86	2912.40	20.54	2913.58	-1.18
50	2912.51	2865.06	2889.33	2911.02	21.69	2912.51	-1.49
51	2911.04	2865.10	2886.94	2909.73	22.80	2911.04	-1.31
52	2909.57	2865.08	2884.63	2908.47	23.84	2909.57	-1.10

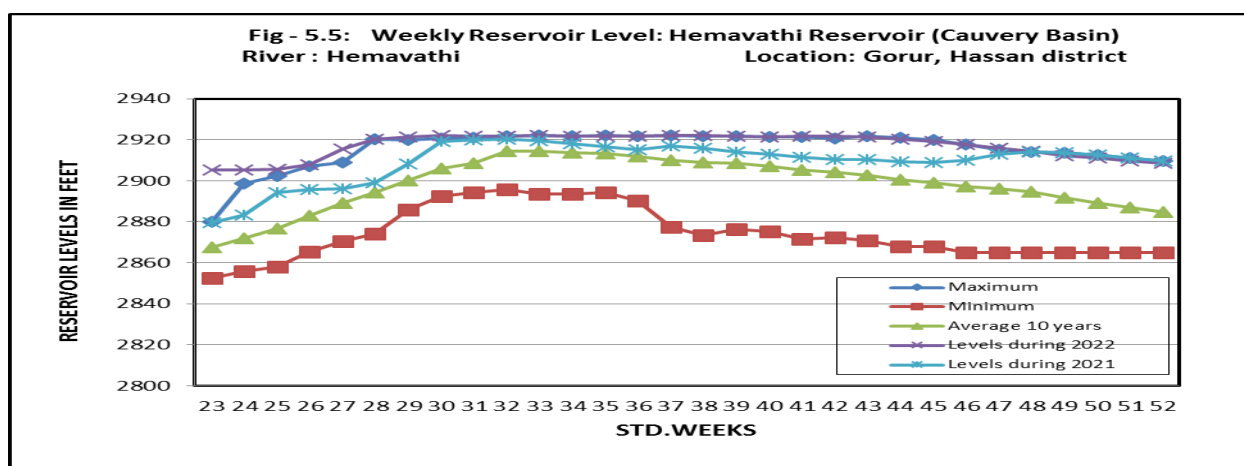


Table-5.6

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

Basin: CAUVERY GENERATION RESERVOIR

Full Reservoir Level: 124.8

Unit: in feet

Reservoir level (RL): above mean sea level

Std. Week No.	Reservoir Level information during recent 10 years			Levels during 2022	Difference in	Levels during 2021	Difference in RL of 2022 compared Maximum
					RL of 2022		
	Maximum	Minimum	Average 10 years		compared to the		
					Average level		
23	92.45	63.35	76.27	105.46	29.19	83.64	21.82
24	100.75	67.86	78.93	105.66	26.74	84.62	21.04
25	105.15	68.00	82.76	106.56	23.81	95.40	11.16
26	108.20	72.40	87.72	107.60	19.88	92.86	14.74
27	108.77	77.70	92.64	119.44	26.80	89.62	29.82
28	123.43	76.80	96.83	123.40	26.57	89.62	33.78
29	123.25	75.60	101.17	124.65	23.48	101.68	22.97
30	123.08	75.27	104.00	124.74	20.74	113.40	11.34
31	123.63	79.35	104.76	123.86	19.11	115.68	8.18
32	124.80	92.80	113.14	121.98	8.84	120.98	1.00
33	124.80	90.60	113.82	123.88	10.06	120.02	3.86
34	124.80	92.12	113.61	124.42	10.81	119.52	4.90
35	124.80	93.03	113.73	124.56	10.83	116.82	7.74
36	124.80	91.22	114.44	124.16	9.72	116.18	7.98
37	124.80	86.10	114.24	124.28	10.04	116.98	7.30
38	124.80	87.15	114.06	124.36	10.30	114.56	9.80
39	124.80	89.35	114.57	123.64	9.07	112.72	10.92
40	124.80	86.85	114.57	123.72	9.15	115.00	8.72
41	124.80	81.40	114.61	124.24	9.63	117.34	6.90
42	124.80	81.96	115.43	124.80	9.37	120.20	4.60
43	124.80	78.30	115.19	124.80	9.61	124.50	0.30
44	124.80	81.65	114.91	124.44	9.53	124.80	-0.36
45	124.80	81.64	114.84	123.88	9.04	124.80	-0.92
46	124.80	77.23	113.90	122.90	9.00	124.80	-1.90
47	124.80	78.05	113.36	121.56	8.20	124.80	-3.24
48	124.64	78.61	111.44	120.86	9.42	124.64	-3.78
49	124.80	78.75	111.04	119.52	8.48	124.80	-5.28
50	124.80	78.90	110.43	120.40	9.97	124.80	-4.40
51	124.52	79.30	109.66	119.94	10.29	124.52	-4.58
52	123.22	79.48	108.51	118.80	10.29	123.22	-4.42

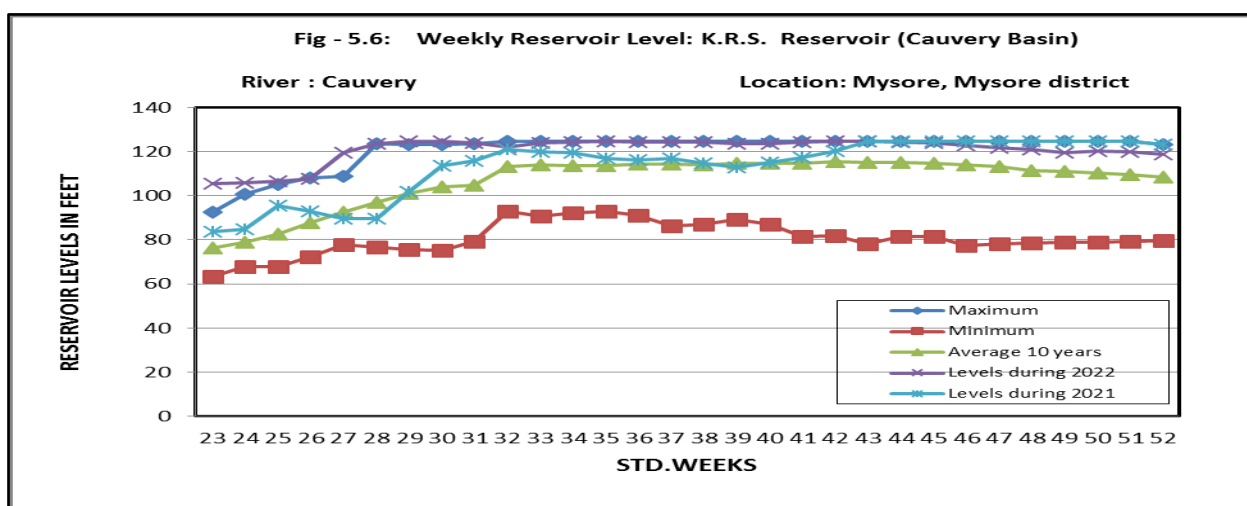




Table-5.7

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 2022	Difference in RL of 2022 compared to the Average level	Levels during 2021	Difference in RL of 2022 compared Maximum
	Maximum	Minimum	Average 10 years				
23	2265.52	2241.75	2256.61	2261.60	4.99	2264.26	-2.66
24	2279.80	2242.18	2260.03	2260.96	0.93	2269.09	-8.13
25	2280.70	2244.85	2264.36	2261.05	-3.31	2275.82	-14.77
26	2282.35	2257.51	2268.72	2265.09	-3.63	2275.79	-10.70
27	2282.82	2263.30	2271.60	2279.03	7.43	2275.81	3.22
28	2282.78	2264.53	2274.11	2282.07	7.96	2278.71	3.36
29	2283.33	2268.17	2277.13	2284.00	6.87	2280.76	3.24
30	2283.23	2272.75	2277.84	2283.58	5.74	2279.94	3.64
31	2283.17	2269.60	2278.46	2283.07	4.61	2281.05	2.02
32	2283.14	2269.56	2279.47	2283.23	3.76	2282.25	0.98
33	2283.79	2267.01	2279.84	2283.41	3.57	2283.27	0.14
34	2283.84	2270.16	2280.07	2284.00	3.93	2282.41	1.59
35	2283.87	2275.74	2280.30	2283.10	2.80	2280.18	2.92
36	2283.96	2274.55	2280.44	2283.53	3.09	2281.00	2.53
37	2284.00	2270.27	2280.33	2283.00	2.67	2283.32	-0.32
38	2284.00	2269.88	2280.43	2283.04	2.61	2283.22	-0.18
39	2284.00	2271.26	2279.53	2282.69	3.16	2280.33	2.36
40	2283.76	2268.70	2278.54	2282.22	3.68	2279.79	2.43
41	2283.73	2267.23	2278.18	2282.23	4.05	2279.60	2.63
42	2284.00	2266.71	2278.47	2283.79	5.32	2282.07	1.72
43	2283.94	2265.24	2278.12	2282.91	4.79	2283.53	-0.62
44	2284.00	2265.76	2277.36	2281.27	3.91	2284.00	-2.73
45	2283.91	2265.26	2276.47	2279.36	2.89	2283.91	-4.55
46	2284.00	2263.94	2275.37	2278.21	2.84	2284.00	-5.79
47	2283.89	2263.68	2274.43	2275.85	1.42	2283.89	-8.04
48	2283.63	2262.50	2273.17	2273.61	0.44	2283.63	-10.02
49	2283.73	2259.68	2272.34	2271.80	-0.54	2283.73	-11.93
50	2283.55	2258.35	2272.06	2271.18	-0.88	2283.55	-12.37
51	2283.45	2257.15	2271.73	2270.82	-0.91	2283.45	-12.63
52	2283.31	2256.38	2271.56	2271.41	-0.15	2283.31	-11.90

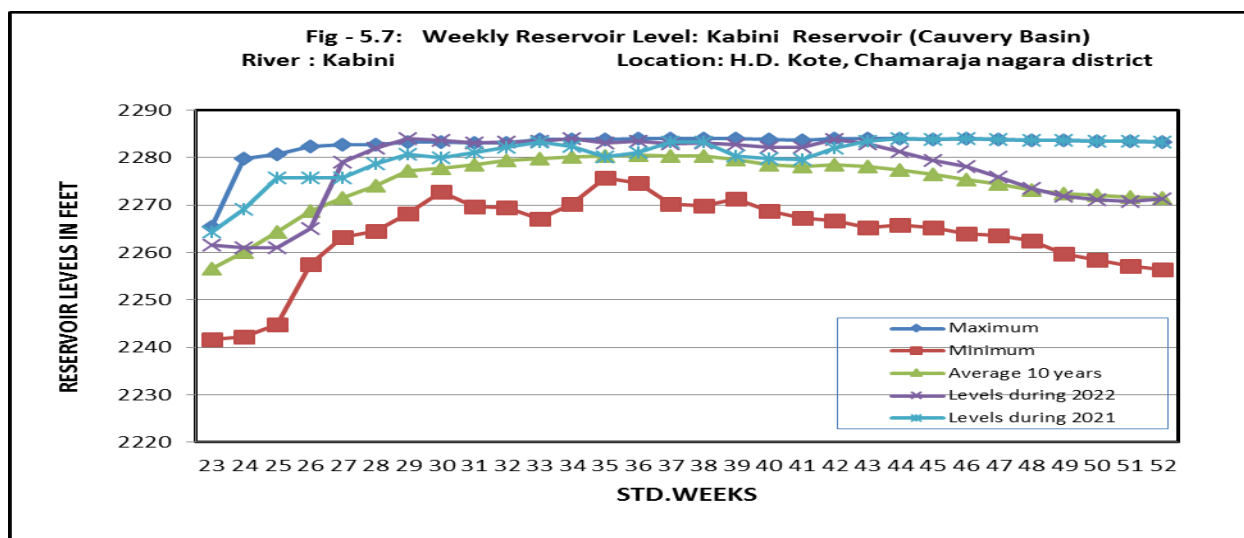


Table-5.8

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 2022	Difference in RL of 2022 compared to the Average level	Levels during 2021	Difference in RL of 2022 compared Maximum
	Maximum	Minimum	Average 10 years				
23	2111.33	2073.29	2096.39	2122.68	26.29	2111.33	11.35
24	2116.00	2079.25	2100.18	2122.75	22.57	2116.00	6.75
25	2125.33	2084.00	2103.70	2122.81	19.11	2125.33	-2.52
26	2126.75	2092.00	2108.70	2125.08	16.38	2126.75	-1.67
27	2127.66	2096.70	2114.53	2138.33	23.80	2127.66	10.67
28	2141.25	2098.83	2120.23	2156.14	35.91	2131.00	25.14
29	2152.83	2108.75	2127.65	2155.79	28.14	2139.91	15.88
30	2156.83	2113.50	2134.17	2155.95	21.78	2153.37	2.58
31	2156.85	2116.50	2136.87	2156.33	19.46	2156.12	0.21
32	2157.06	2119.91	2144.33	2156.00	11.67	2156.54	-0.54
33	2157.56	2122.50	2146.44	2156.00	9.56	2156.95	-0.95
34	2158.00	2127.16	2147.71	2156.93	9.22	2157.08	-0.15
35	2158.00	2129.83	2148.96	2157.54	8.58	2157.41	0.13
36	2158.00	2130.41	2149.74	2157.06	7.32	2157.45	-0.39
37	2158.00	2129.58	2149.98	2156.72	6.74	2157.41	-0.69
38	2158.00	2129.20	2149.89	2156.83	6.94	2157.22	-0.39
39	2158.00	2130.25	2149.93	2156.89	6.96	2156.83	0.06
40	2158.00	2129.52	2150.00	2157.81	7.81	2157.66	0.15
41	2158.00	2127.79	2149.64	2158.00	8.36	2158.00	0.00
42	2158.00	2125.91	2149.16	2157.50	8.34	2158.00	-0.50
43	2158.00	2124.79	2148.50	2157.21	8.71	2158.00	-0.79
44	2157.75	2121.58	2147.70	2157.20	9.50	2157.66	-0.46
45	2157.60	2119.25	2146.92	2156.29	9.37	2157.33	-1.04
46	2158.00	2116.95	2145.82	2154.85	9.03	2158.00	-3.15
47	2157.91	2116.02	2145.33	2153.75	8.42	2157.91	-4.16
48	2157.95	2116.02	2145.12	2153.83	8.71	2157.95	-4.12
49	2158.00	2116.00	2145.04	2153.87	8.83	2158.00	-4.13
50	2158.00	2116.18	2145.04	2154.27	9.23	2158.00	-3.73
51	2158.00	2116.22	2144.92	2154.31	9.39	2158.00	-3.69
52	2157.97	2116.27	2144.30	2154.35	10.05	2157.97	-3.62

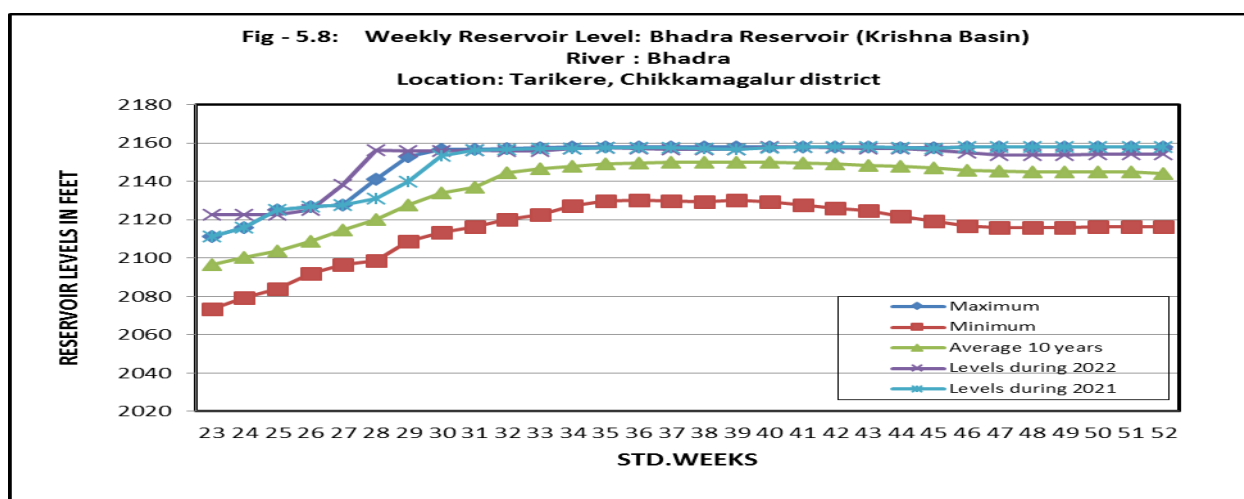


Table-5.9

Name of the Reservoir: (9) TUNGABHADRA  
 Basin: KRISHNA GENERATION RESERVOIR  
 Full Reservoir Level: 1633

Unit: in feet

Reservoir level (RL): above mean sea level

Std. Week No.	Reservoir Level information during			Levels during 2022	Difference in RL of 2022 compared to the Average level	Levels during 2021	Difference in RL of 2022 compared Maximum
	recent 10 years						
	Maximum	Minimum	Average				
			10 years				
23	1590.09	1568.85	1580.73	1612.40	31.67	1590.09	22.31
24	1600.36	1568.95	1583.33	1612.60	29.27	1590.29	22.31
25	1605.99	1569.15	1586.53	1613.10	26.57	1605.99	7.11
26	1610.10	1573.38	1591.89	1614.12	22.23	1608.90	5.22
27	1617.65	1572.91	1597.96	1621.19	23.23	1610.01	11.18
28	1625.12	1592.94	1606.07	1630.40	24.33	1610.86	19.54
29	1631.65	1595.27	1612.72	1632.00	19.28	1621.44	10.56
30	1632.75	1603.57	1618.75	1632.34	13.59	1632.75	-0.41
31	1632.58	1609.78	1620.86	1631.83	10.97	1632.01	-0.18
32	1633.00	1616.15	1626.95	1631.87	4.92	1632.62	-0.75
33	1633.00	1617.80	1628.60	1633.00	4.40	1633.00	0.00
34	1633.00	1617.89	1629.20	1632.81	3.61	1632.61	0.20
35	1633.00	1616.80	1629.65	1632.38	2.74	1632.82	-0.44
36	1633.00	1614.86	1629.44	1632.14	2.70	1632.88	-0.74
37	1633.00	1612.77	1629.23	1632.74	3.51	1632.87	-0.13
38	1633.00	1612.90	1628.95	1633.00	4.05	1632.90	0.10
39	1633.00	1614.49	1628.92	1633.00	4.08	1632.60	0.40
40	1633.00	1614.69	1628.94	1633.00	4.07	1633.00	0.00
41	1633.00	1611.65	1628.57	1632.87	4.30	1633.00	-0.13
42	1633.00	1608.24	1628.06	1633.00	4.94	1632.81	0.19
43	1633.00	1604.71	1627.00	1632.20	5.20	1633.00	-0.80
44	1633.00	1599.37	1625.79	1632.51	6.72	1632.65	-0.14
45	1633.00	1593.60	1624.31	1631.79	7.48	1632.45	-0.66
46	1633.00	1589.31	1622.80	1631.08	8.28	1633.00	-1.92
47	1633.00	1589.13	1621.73	1630.18	8.45	1633.00	-2.82
48	1633.00	1589.94	1620.64	1629.31	8.67	1633.00	-3.69
49	1633.00	1589.64	1619.40	1628.58	9.18	1633.00	-4.42
50	1632.95	1588.60	1618.17	1627.58	9.41	1632.95	-5.37
51	1632.34	1588.08	1616.96	1626.65	9.69	1632.34	-5.69
52	1631.37	1587.94	1615.46	1624.90	9.44	1631.37	-6.47

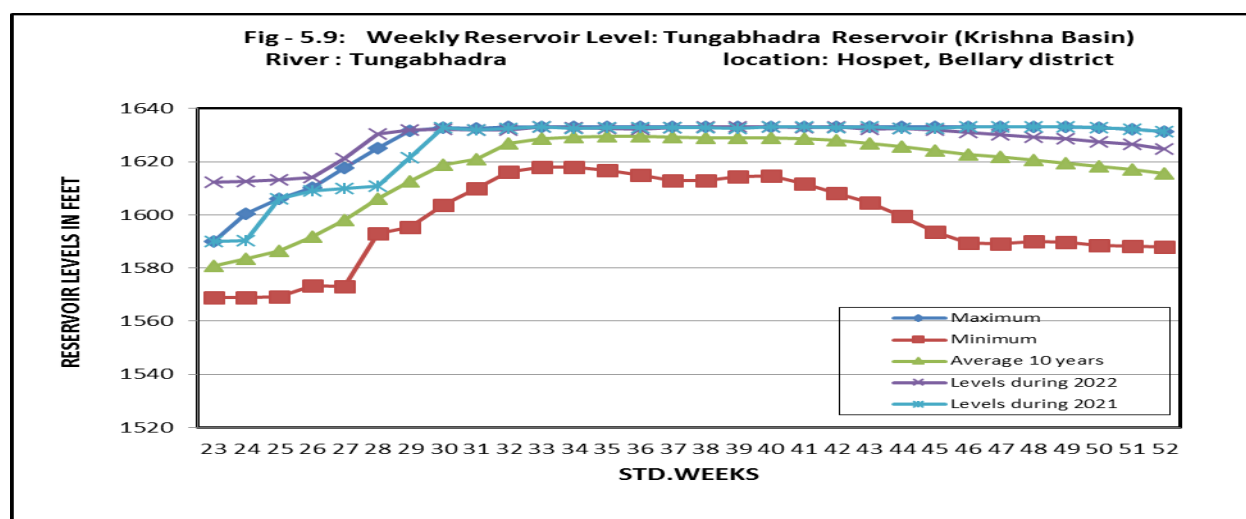


Table-5.10

Name of the Reservoir: (10) GHATAPRABHA  
 Basin: KRISHNA GENERATION RESERVOIR  
 Full Reservoir Level: 2175

Unit: in feet

Reservoir level (RL): above mean sea level

Std. Week No.	Reservoir Level information during			Levels during 2022	Difference in	Levels during 2021	Difference in RL of 2022 compared Maximum
	recent 10 years				RL of 2022		
	Maximum	Minimum	Average		compared to the		
					10 years		
23	2096.70	2066.00	2076.66	2096.23	19.58	2081.75	14.48
24	2098.96	2065.00	2077.99	2096.00	18.01	2091.58	4.42
25	2129.47	2065.13	2083.81	2095.77	11.96	2129.47	-33.70
26	2134.60	2066.25	2090.47	2094.10	3.63	2134.60	-40.50
27	2136.33	2069.18	2103.20	2097.88	-5.31	2136.33	-38.45
28	2139.88	2072.71	2116.54	2132.20	15.66	2139.88	-7.68
29	2161.78	2100.20	2129.89	2152.08	22.19	2151.37	0.72
30	2172.86	2116.70	2143.10	2156.47	13.37	2172.86	-16.39
31	2173.80	2121.05	2153.35	2159.67	6.31	2173.58	-13.92
32	2175.00	2125.80	2162.42	2173.17	10.75	2173.70	-0.53
33	2175.00	2129.43	2163.18	2173.83	10.65	2175.00	-1.17
34	2175.00	2130.60	2163.67	2175.00	11.34	2175.00	0.00
35	2175.00	2130.20	2164.91	2175.00	10.09	2175.00	0.00
36	2175.00	2128.05	2166.09	2175.00	8.91	2175.00	0.00
37	2175.00	2127.71	2165.92	2174.13	8.21	2175.00	-0.87
38	2175.00	2127.71	2166.15	2175.00	8.85	2175.00	0.00
39	2175.00	2127.70	2166.21	2174.76	8.55	2175.00	-0.24
40	2175.00	2127.73	2166.31	2174.62	8.31	2175.00	-0.38
41	2175.00	2128.15	2166.00	2174.90	8.90	2175.00	-0.10
42	2175.00	2128.11	2165.74	2175.00	9.26	2175.00	0.00
43	2175.00	2127.93	2165.21	2175.00	9.79	2174.22	0.78
44	2175.00	2127.76	2164.61	2174.88	10.27	2171.57	3.32
45	2175.00	2127.58	2163.03	2174.88	11.86	2168.87	6.02
46	2175.00	2127.41	2161.03	2173.40	12.37	2166.55	6.85
47	2175.00	2123.38	2158.11	2169.65	11.54	2165.63	4.02
48	2174.61	2122.81	2155.54	2165.57	10.03	2165.00	0.57
49	2172.21	2116.35	2152.26	2164.02	11.76	2166.17	-2.15
50	2168.65	2114.80	2150.93	2163.90	12.97	2166.17	-2.27
51	2167.33	2114.56	2149.42	2162.43	13.01	2163.67	-1.23
52	2164.92	2113.61	2145.72	2159.50	13.78	2158.55	0.95

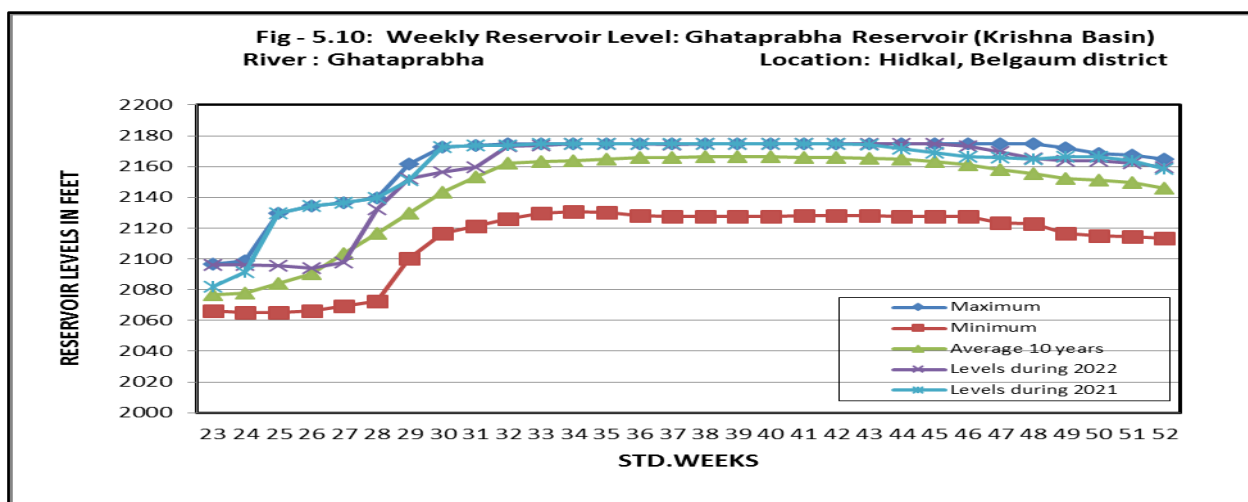


Table-5.11

Name of the Reservoir: (11) MALAPRABHA  
 Basin: KRISHNA GENERATION RESERVOIR  
 Full Reservoir Level: 2079.5

Unit: in feet

Reservoir level (RL): above mean sea level

Std. Week No.	Reservoir Level information during			Levels during 2022	Difference in	Levels during 2021.	Difference in RL of 2022 compared Maximum
	recent 10 years				RL of 2022		
	Maximum	Minimum	Average 10 years		compared to the		
					Average level		
23	2054.26	2033.30	2039.33	2053.01	13.68	2050.08	2.93
24	2053.77	2032.88	2039.09	2053.00	13.91	2050.00	3.00
25	2062.00	2031.97	2040.24	2053.20	12.96	2062.00	-8.80
26	2062.75	2031.63	2041.43	2053.30	11.87	2062.75	-9.45
27	2063.10	2032.00	2043.35	2055.10	11.75	2063.10	-8.00
28	2064.00	2033.10	2047.44	2062.50	15.06	2064.00	-1.50
29	2066.10	2035.00	2051.48	2068.20	16.72	2066.10	2.10
30	2074.10	2041.40	2056.26	2069.20	12.94	2074.10	-4.90
31	2075.90	2047.05	2060.65	2070.60	9.95	2075.90	-5.30
32	2077.00	2053.40	2064.57	2075.80	11.23	2077.00	-1.20
33	2079.20	2053.80	2066.09	2077.40	11.31	2077.70	-0.30
34	2079.50	2052.95	2066.57	2078.30	11.73	2078.30	0.00
35	2079.50	2054.20	2067.00	2079.50	12.50	2078.70	0.80
36	2079.50	2055.05	2067.53	2079.50	11.97	2078.90	0.60
37	2079.50	2055.18	2067.85	2079.50	11.66	2079.50	0.00
38	2079.50	2054.85	2067.88	2079.50	11.62	2079.30	0.20
39	2079.50	2054.70	2068.00	2079.50	11.50	2078.90	0.60
40	2079.50	2054.75	2068.49	2079.50	11.01	2079.00	0.50
41	2079.50	2055.42	2068.62	2079.50	10.88	2079.50	0.00
42	2079.50	2055.41	2068.45	2079.50	11.05	2079.40	0.10
43	2079.50	2055.33	2068.29	2079.50	11.21	2078.90	0.60
44	2079.50	2055.15	2067.82	2079.45	11.63	2077.95	1.50
45	2079.50	2054.92	2067.25	2079.10	11.85	2076.97	2.13
46	2079.50	2053.37	2066.47	2078.35	11.88	2076.60	1.75
47	2079.50	2049.66	2065.45	2077.00	11.55	2077.00	0.00
48	2079.00	2047.66	2064.02	2075.60	11.58	2077.15	-1.55
49	2078.17	2047.47	2062.72	2074.50	11.79	2077.35	-2.85
50	2077.17	2047.19	2061.25	2073.30	12.05	2077.00	-3.70
51	2076.23	2046.87	2059.90	2072.00	12.10	2076.23	-4.23
52	2074.96	2046.34	2058.44	2070.70	12.26	2074.96	-4.26

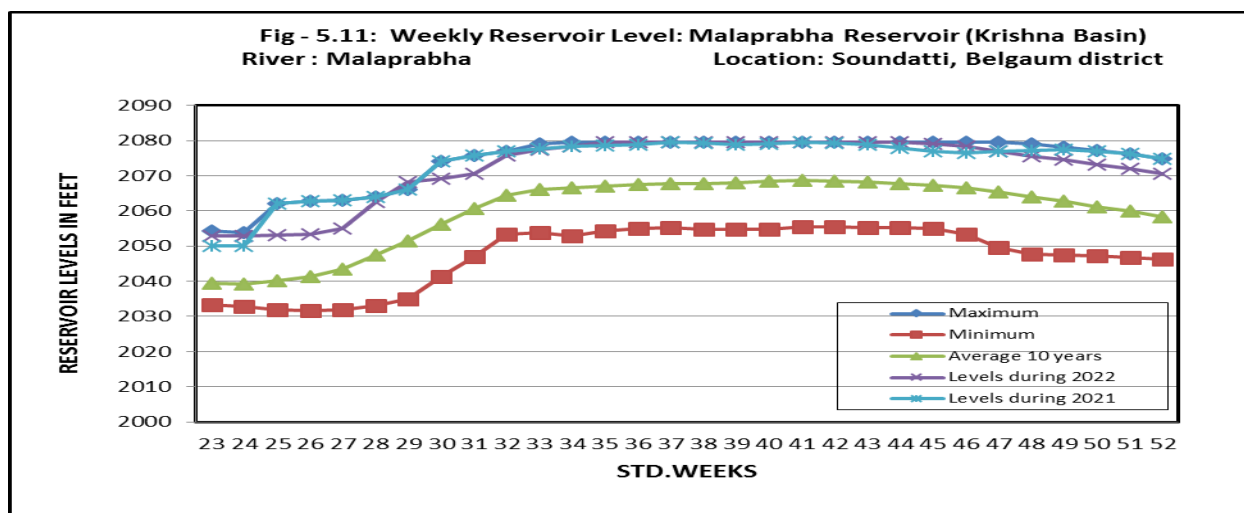


Table-5.12

Name of the Reservoir: (12) ALAMATTI

Basin: KRISHNA GENERATION RESERVOIR

Full Reservoir Level: 1708.17

Unit: in feet

Reservoir level (RL): above mean sea level

Std. Week No.	Reservoir Level information during			Levels during 2022	Difference in RL of 2022 compared to the Average level	Levels during 2021	Difference in RL of 2022 compared Maximum
	recent 10 years						
	Maximum	Minimum	Average				
			10 years				
23	1674.20	1652.38	1663.94	1683.64	19.70	1668.71	14.93
24	1676.59	1652.18	1664.29	1683.84	19.55	1669.70	14.14
25	1697.29	1654.44	1669.79	1683.61	13.81	1697.29	-13.68
26	1697.72	1658.78	1674.20	1683.54	9.34	1697.72	-14.17
27	1697.68	1664.39	1681.23	1689.87	8.64	1697.68	-7.81
28	1699.07	1664.48	1688.80	1696.99	8.20	1698.40	-1.41
29	1704.48	1673.15	1694.14	1699.26	5.12	1698.83	0.43
30	1704.81	1686.29	1698.22	1701.10	2.88	1696.17	4.93
31	1704.81	1689.72	1700.04	1702.21	2.17	1701.72	0.49
32	1704.81	1692.29	1702.06	1701.65	-0.40	1703.82	-2.17
33	1704.81	1692.76	1702.83	1704.18	1.35	1704.64	-0.46
34	1704.81	1692.21	1703.30	1704.70	1.40	1704.70	0.00
35	1704.81	1691.33	1703.45	1704.70	1.25	1704.70	0.00
36	1704.81	1688.94	1702.64	1704.70	2.06	1704.70	0.00
37	1704.81	1688.37	1702.90	1703.49	0.59	1703.00	0.49
38	1704.81	1690.73	1703.18	1704.70	1.53	1704.70	0.00
39	1704.81	1692.38	1703.14	1704.70	1.56	1704.70	0.00
40	1704.81	1691.81	1703.06	1704.70	1.64	1704.70	0.00
41	1704.81	1692.15	1702.91	1704.28	1.37	1704.70	-0.43
42	1704.81	1690.80	1702.30	1704.69	2.39	1704.70	-0.01
43	1704.81	1688.31	1701.21	1704.70	3.49	1704.24	0.46
44	1704.81	1686.45	1700.34	1704.70	4.37	1702.37	2.33
45	1704.81	1683.86	1699.46	1704.70	5.24	1701.92	2.78
46	1704.81	1681.54	1698.35	1704.51	6.16	1700.57	3.94
47	1704.81	1679.69	1697.71	1704.27	6.56	1700.90	3.37
48	1704.74	1676.69	1696.55	1704.11	7.57	1701.36	2.76
49	1703.79	1675.35	1695.74	1703.62	7.88	1703.62	0.00
50	1703.79	1673.92	1694.82	1702.67	7.85	1703.79	-1.12
51	1703.06	1672.00	1693.75	1699.13	5.38	1703.06	-3.93
52	1703.03	1671.84	1691.73	1698.66	6.93	1703.03	-4.37

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

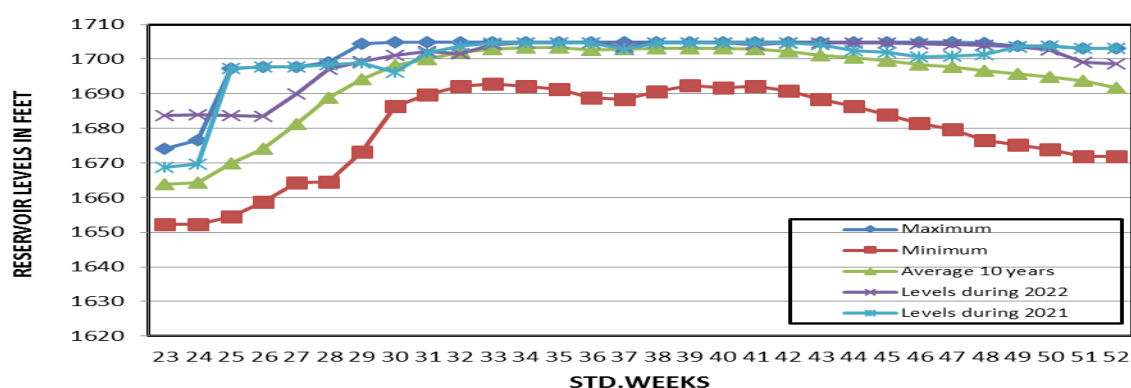


Table-5.13

Name of the Reservoir: (13) NARAYANAPURA  
Basin: KRISHNA GENERATION RESERVOIR  
Full Reservoir Level: 1615

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

Std. Week No.	Reservoir Level information during			Levels during 2022	Difference in	Levels during 2021	Difference in RL of 2022 compared Maximum
	recent 10 years				RL of 2022		
	Maximum	Minimum	Average 10 years		compared to the		
					Average level		
23	1604.31	1590.16	1598.86	1610.15	11.29	1604.31	5.84
24	1604.47	1592.29	1599.02	1610.05	11.04	1603.36	6.69
25	1604.64	1593.76	1599.39	1610.87	11.48	1604.64	6.23
26	1606.15	1593.43	1599.74	1610.91	11.17	1606.15	4.76
27	1609.82	1593.90	1600.37	1610.97	10.60	1609.82	1.15
28	1613.17	1593.88	1603.34	1611.63	8.29	1612.58	-0.95
29	1613.84	1597.73	1608.14	1612.78	4.64	1612.22	0.56
30	1614.12	1598.72	1610.26	1613.66	3.40	1606.31	7.35
31	1614.42	1607.30	1611.23	1613.50	2.27	1612.68	0.82
32	1615.00	1605.72	1612.06	1610.91	-1.16	1612.91	-2.00
33	1614.34	1607.79	1611.91	1613.07	1.16	1614.02	-0.95
34	1614.63	1610.45	1613.46	1614.12	0.66	1614.35	-0.23
35	1615.03	1610.93	1613.97	1614.65	0.68	1614.25	0.39
36	1615.01	1610.56	1613.25	1612.19	-1.06	1614.48	-2.29
37	1614.91	1608.10	1613.39	1611.33	-2.06	1612.61	-1.28
38	1614.97	1611.46	1613.93	1614.28	0.36	1614.65	-0.36
39	1615.07	1610.70	1613.86	1614.48	0.62	1614.88	-0.40
40	1615.07	1608.22	1613.80	1614.58	0.78	1614.78	-0.20
41	1614.94	1608.25	1613.23	1612.51	-0.72	1614.81	-2.30
42	1614.94	1607.53	1612.89	1614.15	1.26	1614.71	-0.56
43	1615.07	1607.25	1613.06	1614.80	1.74	1613.14	1.66
44	1615.07	1607.06	1612.36	1614.35	1.99	1612.25	2.10
45	1615.07	1604.64	1611.07	1611.59	0.52	1611.36	0.23
46	1614.09	1604.77	1610.89	1607.10	-3.79	1612.81	-5.71
47	1614.22	1598.50	1610.21	1603.32	-6.89	1614.22	-10.90
48	1614.65	1599.19	1610.67	1602.54	-8.13	1614.65	-12.11
49	1614.38	1601.13	1609.52	1601.23	-8.29	1614.38	-13.16
50	1612.81	1598.20	1608.73	1603.00	-5.73	1612.41	-9.41
51	1612.74	1598.44	1608.50	1612.12	3.62	1612.25	-0.13
52	1612.81	1598.70	1609.84	1611.59	1.75	1612.28	-0.69

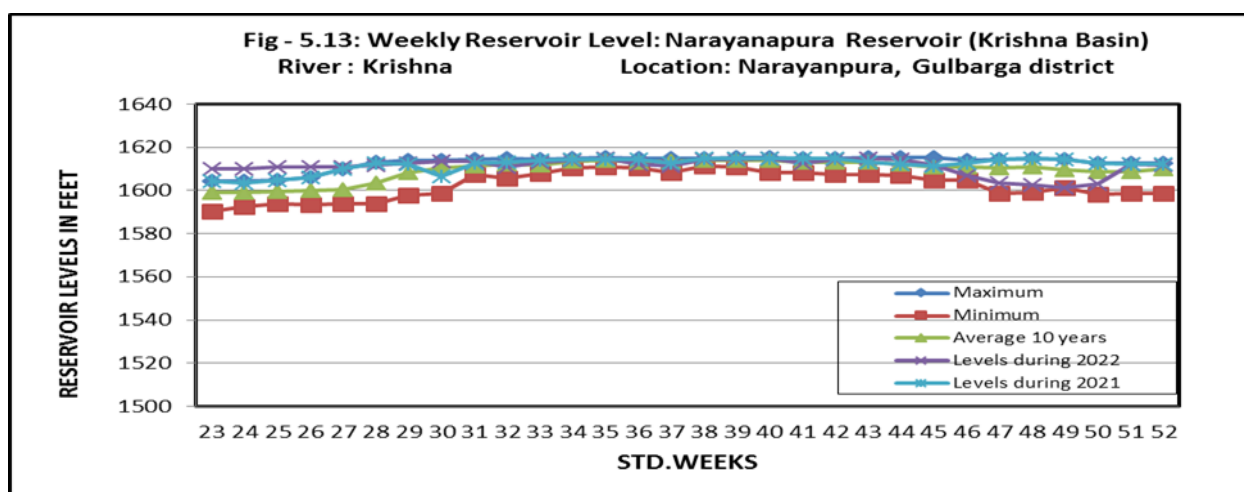




Table : (A)

**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 (2012 to 2021) for the Annual (Water year) (01.06.2022 to 31.12.2022)			R.L. as on 01.06.2022	R.L. as on 31.12.2022	Increase/decrease in R.L. from 01.06.2022 to 31.12.2022	R.L. of 2021 compared to the Average R.L.	R.L. as on 31.12.2021	R.L. of 2022 compared to the R.L. of 2021.	Balance R.L. as on 31.12.2022
			Max	Min	Avge							
1	2	3	4	5	6	7	8	9	10	11	12	13
<b>(a) Hydel generation Reservoirs (Western Coast)</b>												
1	Linganamakki	1819.00	1810.65	1790.25	1801.54	1757.15	1801.85	44.70	0.31	1807.95	-6.10	-17.15
2	Supa	1850.48	1834.70	1772.45	1806.75	1712.81	1805.17	92.36	-1.58	1812.42	-7.25	-45.31
3	Varahi	1950.10	1933.43	1915.39	1924.80	1870.53	1921.29	50.76	-3.51	1920.89	0.39	-28.81
<b>(b) Reservoirs of Cauvery Basin</b>												
4	Harangi	2859.00	2854.98	2782.28	2810.61	2850.05	2828.08	-21.97	17.47	2854.98	-26.90	-30.92
5	Hemavathi	2922.00	2909.57	2865.08	2884.63	2904.50	2908.47	3.97	23.84	2909.57	-1.10	-13.53
6	K.R.S*	124.80	123.22	79.48	108.51	104.92	118.80	13.88	10.29	123.22	-4.42	-6.00
7	Kabini	2284.00	2283.31	2256.38	2271.56	2262.65	2271.41	8.76	-0.15	2283.31	-11.90	-12.59
<b>(c) Reservoirs of Krishna Basin</b>												
8	Bhadra	2158.00	2157.97	2116.27	2144.30	2122.54	2154.35	31.81	10.05	2157.97	-3.62	-3.65
9	Tungabhadra	1633.00	1631.37	1587.94	1615.46	1611.49	1624.90	13.41	9.44	1631.37	-6.47	-8.10
10	Ghataprabha	2175.00	2164.92	2113.61	2145.72	2096.53	2159.50	62.97	13.78	2158.55	0.95	-15.50
11	Malaprabha	2079.50	2074.96	2046.34	2058.44	2052.80	2070.70	17.90	12.26	2074.96	-4.26	-8.80
12	Almatti	1704.81	1703.03	1671.84	1691.73	1682.92	1698.66	15.74	6.93	1703.03	-4.37	-6.15
13	Narayanapura	1615.00	1612.81	1598.70	1609.84	1609.04	1611.59	2.55	1.75	1612.28	-0.69	-3.41

Source: WRDO &amp; KPCL, Govt. of Karnataka

**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
<b>(a)</b>	<b>Minor Irrigation South Zone as on 31.12.2022</b>								
1	Bangalore Urban	46	1400	5045	0	7	4	16	19
2	Bangalore Rural	98	3107	9681	0	1	11	52	34
3	Ramanagara	101	4946	16669	0	0	0	5	96
4	Kolar	138	5182	12147	0	8	20	79	31
5	Chikkaballapura	201	7954	27107	0	14	10	34	143
6	Tumkur	371	16673	36939	1	6	16	26	322
7	Chitradurga	166	9131	21431	0	18	1	27	120
8	Davanagere	72	5121	8815	0	6	2	4	60
9	Shimoga	306	3556	22981	1	2	0	303	0
10	Mysore	50	1116	6781	0	1	2	26	21
11	Chamarajnagar	64	2360	13296	6	5	2	21	30
12	Mandya	48	1232	4319	0	4	1	22	21
13	Hassan	170	4946	12502	1	9	6	41	113
14	Chikkamagalur	124	4267	16846	1	5	2	20	96
15	Dakshina Kannada	2	7	131	1	0	0	1	0
16	Udupi	4	42	283	0	0	0	4	0
17	Kodagu	29	509	1948	0	11	8	7	3
	<b>Total</b>	<b>1990</b>	<b>71548</b>	<b>216920</b>	<b>11</b>	<b>97</b>	<b>85</b>	<b>688</b>	<b>1109</b>
<b>(b)</b>	<b>Minor Irrigation North Zone as on 31.12.2022</b>								
1	Belgaum	288	3196	30692	13	50	52	168	5
2	Bijapur	157	3655	23384	6	24	4	80	43
3	Bagalkote	66	1824	12233	5	16	10	25	10
4	Dharwad	112	1777	14076	0	0	23	89	0
5	Gadag	31	1363	7702	0	0	10	14	7
6	Haveri	264	6112	23247	0	0	40	163	61
7	Uttara kannada	91	1773	13755	0	0	0	91	0
8	Gulbarga	167	5832	27765	5	10	49	100	3
9	Yadgiri	71	1455	6564	4	1	0	65	1
10	Bidar	125	2958	21494	20	14	20	71	0
11	Bellary	34	763	3333	0	9	1	5	19
12	Vijayanagara	82	3446	13264	1	15	10	39	17
13	Koppala	122	1937	15844	4	4	15	80	19
14	Raichur	73	1789	8779	8	14	9	33	9
<b>31</b>	<b>Total</b>	<b>1683</b>	<b>37880</b>	<b>222132</b>	<b>66</b>	<b>157</b>	<b>243</b>	<b>1023</b>	<b>194</b>
	<b>State Total (a &amp; b)</b>	<b>3673</b>	<b>109428</b>	<b>439052</b>	<b>77</b>	<b>254</b>	<b>328</b>	<b>1711</b>	<b>1303</b>

Source: Minor Irrigation Department, Govt. of Karnataka

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

**The Southern zone** (comprises **17** Districts). There are **1990** MI tanks in the Southern zone Districts. **1109** Tanks in this zone are filled upto their full capacity as on **31<sup>st</sup> December 2022**.

**The Northern zone** (comprises **14** Districts). There are **1683** MI tanks in the Northern zone Districts. **194** tanks are filled upto their full capacity as on **31<sup>st</sup> December 2022**.

Out of total **3673** MI tanks in the state, only **82%** of the tanks had storages **more** than **50%** of their respective capacity, **16%** 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.