<u>Bengaluru Urban</u>

Rainfall:

During **2024**, **Bengaluru Urban** district as a whole recorded an actual rainfall of **933.8 mm** as against its normal value of **845.6 mm** with percentage departure from normal being (+) **10%** and the district is classified under **Normal** category. Among **5** taluks, **4** taluks recorded **Normal** rainfall, **1** taluk recorded **Excess** rainfall.

The taluk wise percentage departure of rainfall from Normal was (+) 0% in Bengaluru East, (+)36% in Yelahanka, (+) 11% in Bengaluru South, (-) 4% in Bengaluru North, , (+) 4% in Anekal taluk.

DISTRICT / TALUK / HOBLI – ANNUAL RAINFALL PATTERN -2024

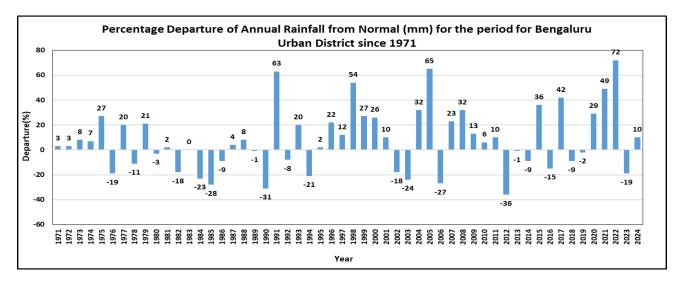
Large Excess (LE) : (+60% and above), Excess (E) : (+20 to +59%), Normal (N): (+19% to -19%), Deficient (D): (-20 to -59%), Large Deficit (LD) : (-60 or less %), NR: No Rainfall (-100 %)

District/Taluk/Hobli	Annual 2024 (1 st January to 31 st December)				
	Normal (mm)	Actual (mm)	%DEP		
BENGALURU URBAN	845.6	933.8	10		
Anekal	901.6	933.8	4		
Anekal_1	901.6	866.5	-4		
Attibele_1	823.5	970.5	18		
Jigani_1	844.8	900.4	7		
Sarjapura_1	747.8	929.3	24		
Anekal_2	880.9	937.5	6		
Jigani_2	865.0	969.0	12		
Attibele_2	856.8	941.3	10		
Sarjapura_1	855.0	959.4	12		
Sarjapura_3	813.6	994.3	22		
Bengaluru North	1004.6	969.2	-4		
Bengaluru North_1	1004.6	869.3	-13		
Dasanapura_1	895.6	884.6	-1		
Yashavantapura_1	819.0	1031.4	26		
Bengaluru North_2	854.2	950.0	11		
Yashavantapura_2	865.7	1081.6	25		
Dasanapura_2	872.2	1079.2	24		
Dasanapura_3	899.8	1019.1	13		

District/Taluk/Hobli	Annual 2024 (1 st January to 31 st December)				
	Normal (mm)	Actual (mm)	%DEP		
Bengaluru South	819.5	913.3	11		
Beguru_3	819.5	818.0	0		
Kengeri_1	905.4	1036.0	14		
Tavarekere_1	734.4	1096.7	49		
Uttarahalli_4	904.7	1147.4	27		
Uttarahalli_1	885.8	780.7	-12		
Uttarahalli_2	872.1	848.2	-3		
Uttarahalli_3	862.6	682.5	-21		
Uttarahalli_5	941.1	964.2	2		
Beguru_1	912.3	832.2	-9		
Beguru_2	875.0	892.7	2		
Kengeri_2	877.9	932.0	6		
Kengeri_3	860.1	869.1	1		
Kengeri_4	851.5	1235.0	45		
Tavarekere_2	961.0	790.3	-18		
Tavarekere_3	870.6	1012.4	16		
Bengaluru East	814.5	817.1	0		
Mahadevpura_1	814.5	532.0	-35		
Bidarahalli_2	828.0	821.5	-1		
Varturu_1	817.9	911.6	11		
K R Pura_2	855.2	765.7	-10		
K R Pura_3	827.4	683.7	-17		
Varturu_2	881.1	761.2	-14		
Bidarahalli_1	820.6	896.6	9		
Mahadevapura_2	882.2	506.9	-43		
Marathahalli	891.5	930.2	4		
Bidharahalli_3	798.7	1089.9	36		
Yelahanka	751.6	1022.2	36		
Yelahanka_1	751.6	1157.9	54		
Yelahanka_2	785.4	1040.7	33		
Yelahanka_3	800.6	1128.3	41		
Jala_1	760.1	873.8	15		
Jala_2	763.4	976.7	28		
Jala_3	781.4	970.3	24		
Hesarughatta_1	746.1	1007.1	35		
Hesarughatta_2	780.6	1028.7	32		

ANNUAL RAINFALL TIME SERIES GRAPH

The below Graph depicts percentage departure of **Annual rainfall** from normal in the **Bengaluru Urban** District, compared with the corresponding season since 1971.

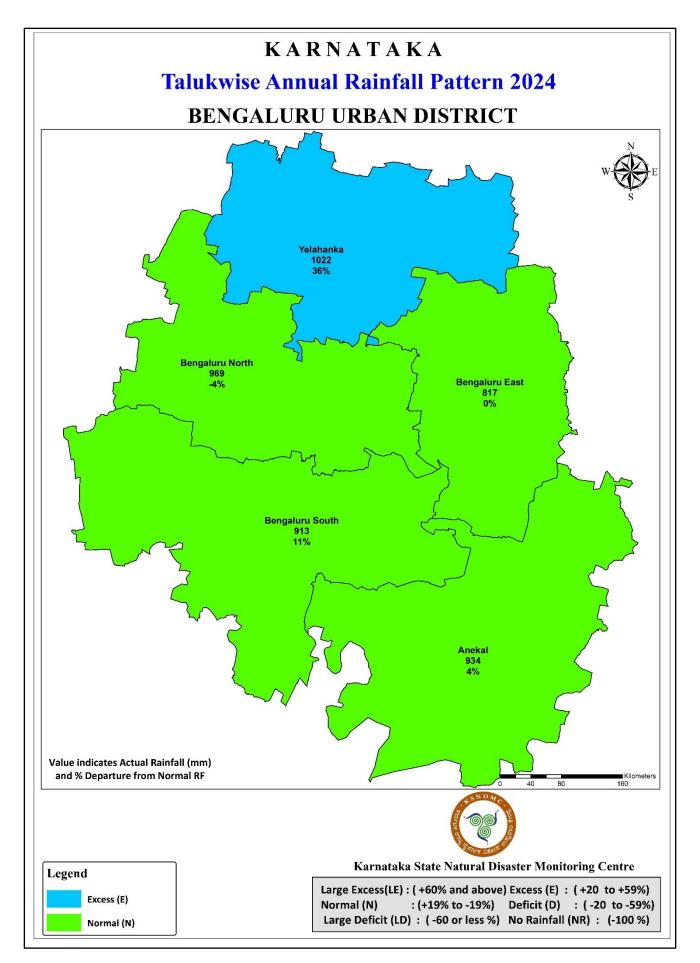


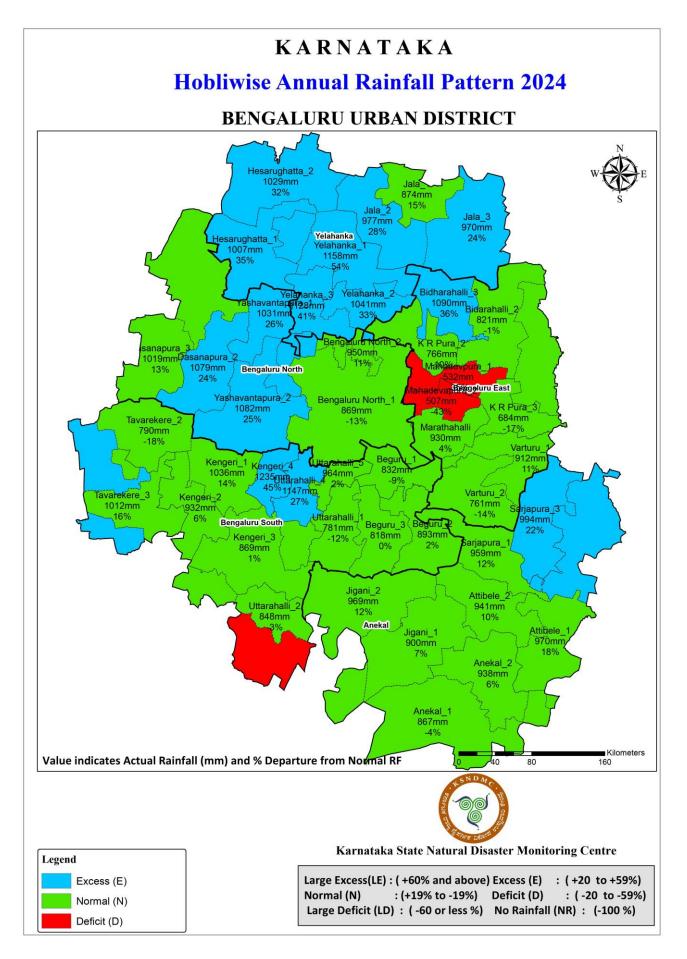
The amount of annual rainfall recorded during **2024** is **more** when compared to the corresponding period of **last** year.

Hobli-wise Rainfall Category based on rainfall pattern is given below:

District/Taluk	Total No. of Hoblis	0	Excess	Normal	Deficit	Large Deficit	No Rainfall
BENGALURU URBAN	46	0	16	30	3	0	0
Anekal	9	0	2	7	0	0	0
Bengaluru North	7	0	3	4	0	0	0
Bengaluru South	14	0	3	11	1	0	0
Bengaluru East	8	0	1	7	2	0	0
Yelahanka	8	0	7	1	0	0	0

Hobli wise rainfall indicates Out of **46** hoblis in the district rainfall was **Excess** in **16** hoblis, **Normal** in **30** hoblis and **Deficit** in **3** Hoblis.





Seasonal Rainfall pattern during 2024:

Pre-Monsoon Season:

During **Pre-Monsoon** season, the district as a whole recorded actual rainfall of **151.4 mm**, which is (-) **3% less** than the weighted average normal of **156.2 mm** and being classified under **Deficit** category.

In Bengaluru Urban district, rainfall during Pre-Monsoon was Normal in Bengaluru North, Bengaluru South, Bengaluru East and Yelhanka taluks and Deficit in Anekal Taluk.

DISTRICT / TALUK / HOBLI – PRE-MONSOON RAINFALL PATTERN -2024

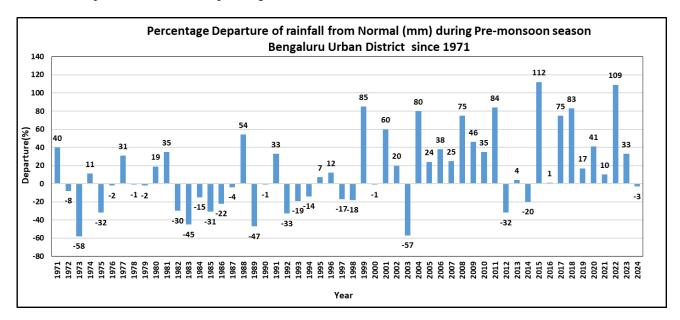
Large Excess (LE) : (+60% and above), Excess (E) : (+20 to +59%), Normal (N): (+19% to -19%) , Deficient (D): (-20 to -59%), Large Deficit (LD) : (-60 or less %), NR: No Rainfall (-100 %)

District/Taluk/Hobli	Pre-Monsoon 2024 Rainfall pattern (1 st January to 31 st May)					
	Normal (mm)	Actual (mm)	%DEP			
BENGALURU URBAN	156.2	151.4	-3			
Anekal	180.0	129.3	-28			
Anekal_1	180.0	155.3	-14			
Attibele_1	154.3	110.3	-28			
Jigani_1	159.3	134.0	-16			
Sarjapura_1	129.2	110.3	-15			
Anekal_2	172.3	143.4	-17			
Jigani_2	164.0	130.5	-20			
Attibele_2	161.0	136.4	-15			
Sarjapura_1	155.3	121.6	-22			
Sarjapura_3	142.1	95.9	-32			
Bengaluru North	183.3	164.0	-11			
Bengaluru North_1	183.3	146.9	-20			
Dasanapura_1	177.2	74.7	-58			
Yashavantapura_1	155.5	162.0	4			
Bengaluru North_2	159.1	143.7	-10			
Yashavantapura_2	163.5	220.2	35			
Dasanapura_2	167.1	211.4	27			
Dasanapura_3	166.9	212.5	27			
Bengaluru South	158.6	168.3	6			
Beguru_3	158.6	139.3	-12			
Kengeri_1	168.6	143.7	-15			
Tavarekere_1	153.3	233.4	52			
Uttarahalli_4	170.4	224.2	32			

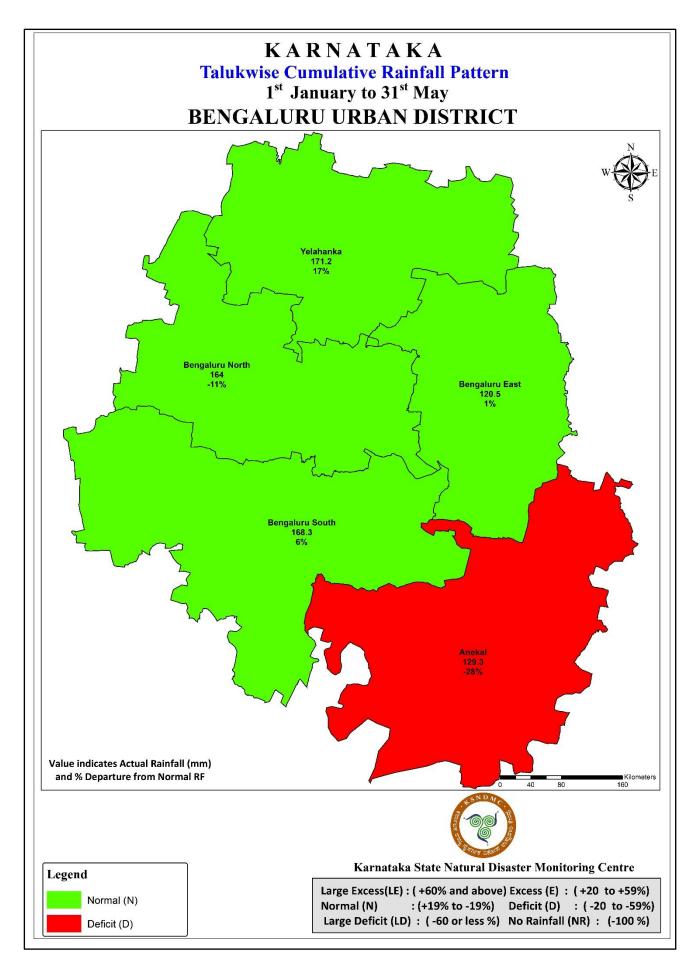
District/Taluk/Hobli	Pre-Monsoon 2024 Rainfall pattern (1 st January to 31 st May)					
	Normal (mm)	Actual (mm)	%DEP			
Uttarahalli_1	167.9	120.8	-28			
Uttarahalli_2	166.3	150.5	-9			
Uttarahalli_3	165.1	114.6	-31			
Uttarahalli_5	175.2	174.4	0			
Beguru_1	171.6	130.5	-24			
Beguru_2	161.8	163.5	1			
Kengeri_2	163.9	178.7	9			
Kengeri_3	164.2	169.2	3			
Kengeri_4	162.3	223.0	37			
Tavarekere_2	167.9	201.4	20			
Tavarekere_3	164.6	169.8	3			
Bengaluru East	119.0	120.5	1			
Mahadevpura_1	119.0	87.5	-26			
Bidarahalli_2	139.7	137.0	-2			
Varturu_1	133.3	97.9	-27			
K R Pura_2	152.1	105.6	-31			
K R Pura_3	133.0	83.7	-37			
Varturu_2	160.0	99.5	-38			
Bidarahalli_1	127.3	137.8	8			
Mahadevapura_2	158.6	90.4	-43			
Marathahalli	162.5	148.9	-8			
Bidharahalli_3	143.5	179.7	25			
Yelahanka	146.7	171.2	17			
Yelahanka_1	146.7	145.2	-1			
Yelahanka_2	149.6	138.6	-7			
Yelahanka_3	152.3	154.0	1			
Jala_1	124.8	171.2	37			
Jala_2	129.1	167.1	29			
Jala_3	133.6	211.5	58			
Hesarughatta_1	141.7	152.3	7			
Hesarughatta_2	142.6	184.1	29			

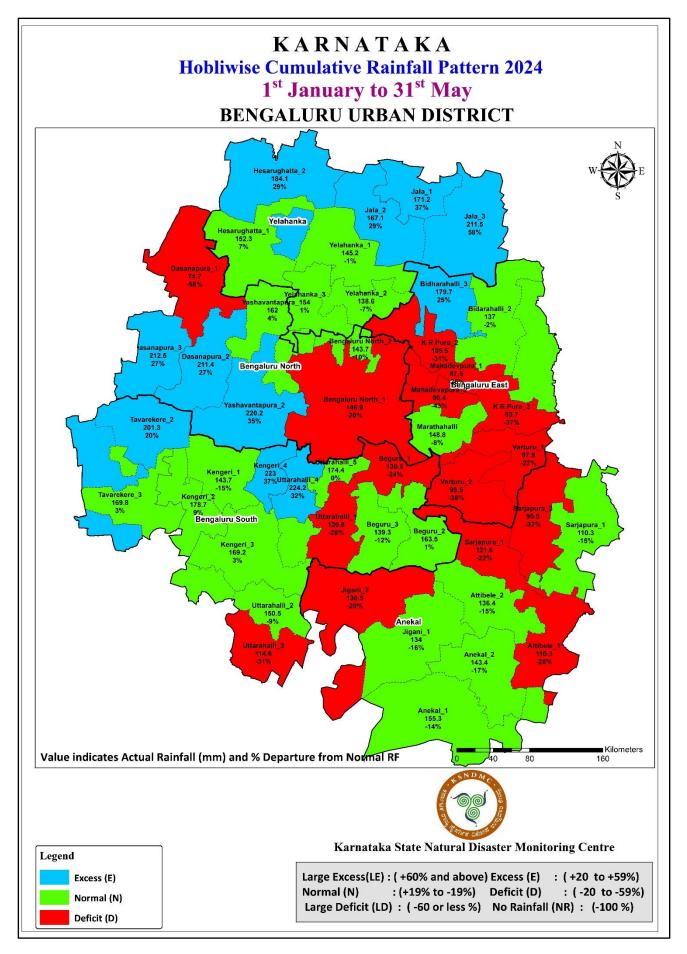
PRE-MONSOON RAINFALL TIME SERIES GRAPH

The below Graph depicts percentage departure of **Pre-Monsoon** rainfall from normal in the **Bengaluru Urban** District, compared with the corresponding season since 1971.



The amount of rainfall recorded during **Pre-Monsoon-2024** is **less** when compared to the corresponding period of **last** year.





South-West Season:

During **South-West monsoon** season the district as a whole recorded actual rainfall of **418 mm**, which is (-) **11% less** than the normal of **471 mm** and being classified under **Normal** category.

In **Bengaluru Urban** district, rainfall during **South-West monsoon** was **Normal** in **3** taluks and **Deficit** in **2** Taluks.

DISTRICT / TALUK / HOBLI – SOUTH-WEST MONSOON RAINFALL PATTERN -2024

Note: weighted average rainfall is computed using Thiessen Polygon method. The long period normal rainfall data is available for Taluk headquarters stations. The normal rainfall for other stations is estimated through interpolations.

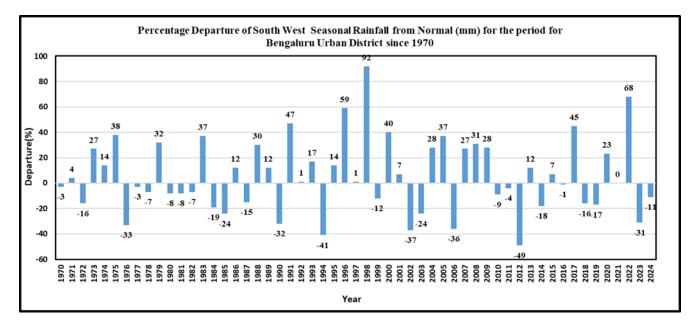
Large Excess (LE) : (+60% and above), Excess (E) : (+20 to +59%), Normal (N): (+19% to -19%), Deficient (D): (-20 to -59%), Large Deficit (LD) : (-60 or less %), NR: No Rainfall (-100 %)

District/Taluk/Hobli	Southwest-Monsoon 2024 Rainfall pattern (1 st June to 30 th September)				
	Normal (mm)	Actual (mm)	%DEP		
BENGALURU URBAN	470.6	418.0	-11		
Anekal	477.3	411.0	-14		
Anekal_1	477.3	402.1	-16		
Attibele_1	445.1	421.7	-5		
Jigani_1	463.8	421.8	-9		
Sarjapura_1	410.5	346.6	-16		
Anekal_2	471.9	460.1	-3		
Jigani_2	481.5	455.3	-5		
Attibele_2	468.8	380.5	-19		
Sarjapura_1	473.7	378.7	-20		
Sarjapura_3	452.5	408.9	-10		
Bengaluru North	573.7	430.5	-25		
Bengaluru North_1	573.7	397.1	-31		
Dasanapura_1	490.4	433.1	-12		
Yashavantapura_1	451.0	404.3	-10		
Bengaluru North_2	472.0	526.0	11		
Yashavantapura_2	493.4	452.7	-8		
Dasanapura_2	488.4	458.4	-6		
Dasanapura_3	510.6	453.4	-11		
Bengaluru South	478.1	414.1	-13		
Beguru_3	478.1	348.5	-27		
Kengeri_1	505.2	425.5	-16		
Tavarekere_1	417.1	512.7	23		

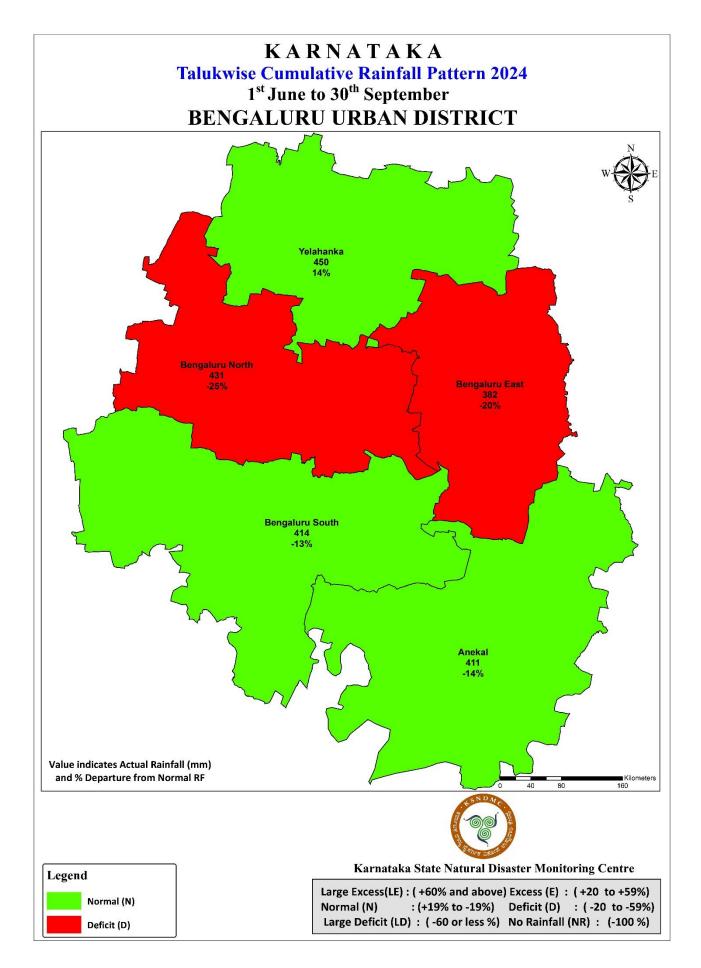
District/Taluk/Hobli	Southwest-Monsoon 2024 Rainfall pattern (1 st June to 30 th September)				
	Normal (mm)	Actual (mm)	%DEP		
Uttarahalli_4	514.4	550.5	7		
Uttarahalli_1	498.8	346.7	-30		
Uttarahalli_2	495.4	389.6	-21		
Uttarahalli_3	478.4	297.2	-38		
Uttarahalli_5	530.5	478.1	-10		
Beguru_1	502.6	378.9	-25		
Beguru_2	484.1	355.5	-27		
Kengeri_2	503.0	416.0	-17		
Kengeri_3	491.3	406.6	-17		
Kengeri_4	492.0	527.0	7		
Tavarekere_2	553.2	401.4	-27		
Tavarekere_3	496.2	483.9	-2		
Bengaluru East	479.0	382.2	-20		
Mahadevpura_1	479.0	238.2	-50		
Bidarahalli_2	457.8	384.4	-16		
Varturu_1	465.4	453.7	-3		
K R Pura_2	474.9	347.8	-27		
K R Pura_3	471.7	336.6	-29		
Varturu_2	490.2	346.1	-29		
Bidarahalli_1	469.1	415.5	-11		
Mahadevapura_2	491.0	230.9	-53		
Marathahalli	495.3	438.4	-11		
Bidharahalli_3	436.3	501.8	15		
Yelahanka	396.7	450.5	14		
Yelahanka_1	396.7	480.2	21		
Yelahanka_2	423.2	441.5	4		
Yelahanka_3	434.6	498.7	15		
Jala_1	427.3	436.1	2		
Jala_2	426.0	451.6	6		
Jala_3	434.2	472.6	9		
Hesarughatta_1	416.4	410.0	-2		
Hesarughatta_2	430.1	431.3	0		

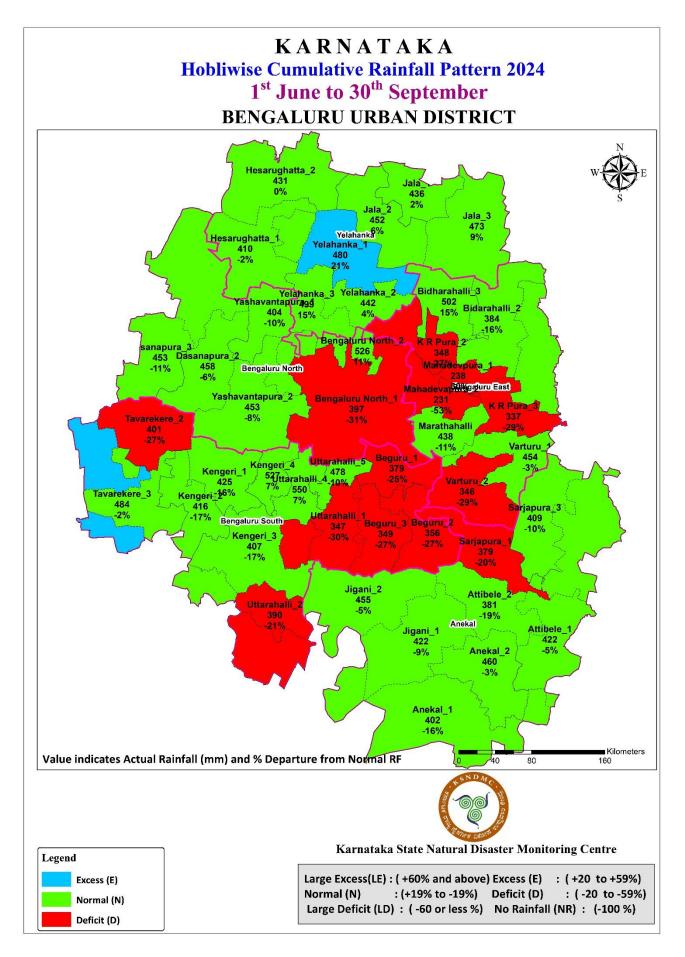
SOUTH-WEST MONSOON RAINFALL TIME SERIES GRAPH

The below Graph depicts percentage departure of **South-West Monsoon** rainfall from normal in the **Bengaluru Urban** District, compared with the corresponding season since 1971.



The amount of rainfall recorded during **South-West monsoon-2023** is the **less** when compared to the corresponding period of **last 2** years.





North-East Season:

During North-East monsoon season the district as a whole recorded actual rainfall of 364.5 mm, which is (+) 67% more the normal of 219 mm and being classified under Large Excess category.

In Bengaluru Urban district rainfall during North-East monsoon was Large Excess in Bengaluru South, Bengaluru North, Yelahanka and Anekal taluk, Excess in Bengaluru East taluk.

DISTRICT / TALUK / HOBLI – NORTH-EAST MONSOON RAINFALL PATTERN -2024

Note: weighted average rainfall is computed using Thiessen Polygon method. The long period normal rainfall data is available for Taluk headquarters stations. The normal rainfall for other stations is estimated through interpolations.

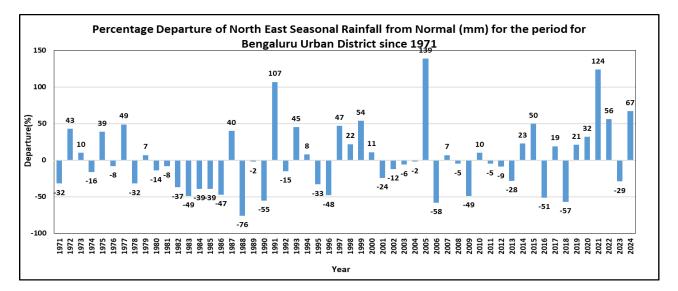
Large Excess (LE) : (+60% and above), Excess (E) : (+20 to +59%), Normal (N): (+19% to -19%), Deficient (D): (-20 to -59%), Large Deficit (LD) : (-60 or less %), NR: No Rainfall (-100 %)

District/Taluk/Hobli	Northeast Monsoon 2024 (1 st October to 31 st December)				
	Normal (mm)	Actual (mm)	%DEP		
BENGALURU URBAN	218.8	364.5	67		
Anekal	244.3	393.6	61		
Anekal_1	244.3	309.1	27		
Attibele_1	224.1	438.5	96		
Jigani_1	221.7	344.7	55		
Sarjapura_1	208.1	472.5	127		
Anekal_2	236.7	334.0	41		
Jigani_2	219.5	383.2	75		
Attibele_2	227.0	424.3	87		
Sarjapura_1	226.0	459.1	103		
Sarjapura_3	219.0	489.5	124		
Bengaluru North	247.6	374.6	51		
Bengaluru North_1	247.6	325.4	31		
Dasanapura_1	228.0	376.8	65		
Yashavantapura_1	212.5	465.2	119		
Bengaluru North_2	223.1	280.4	26		
Yashavantapura_2	208.8	408.7	96		
Dasanapura_2	216.7	409.4	89		
Dasanapura_3	222.3	353.2	59		
Bengaluru South	182.8	330.9	81		
Beguru_3	182.8	330.2	81		
Kengeri_1	231.6	466.9	102		

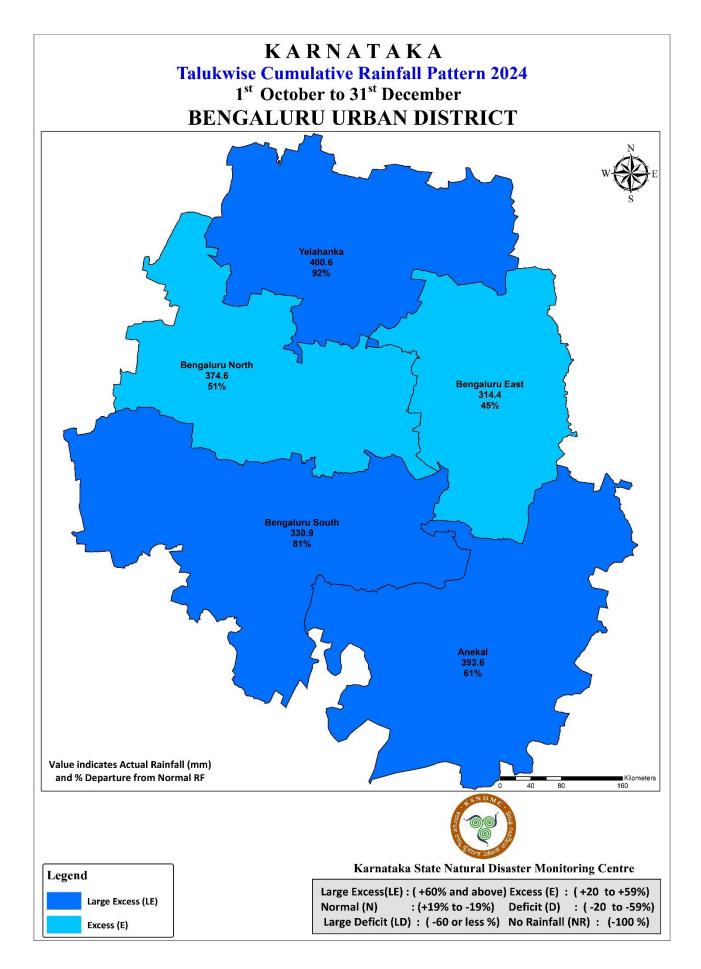
District/Taluk/Hobli	Northeast Monsoon 2024 (1 st October to 31 st December)				
	Normal (mm)	Actual (mm)	%DEP		
Tavarekere_1	164.0	350.5	114		
Uttarahalli_4	219.9	372.7	69		
Uttarahalli_1	219.1	313.2	43		
Uttarahalli_2	210.4	308.1	46		
Uttarahalli_3	219.1	270.7	24		
Uttarahalli_5	235.4	311.7	32		
Beguru_1	238.1	322.8	36		
Beguru_2	229.1	373.7	63		
Kengeri_2	211.0	337.3	60		
Kengeri_3	204.6	293.2	43		
Kengeri_4	197.2	485.0	146		
Tavarekere_2	239.9	187.6	-22		
Tavarekere_3	209.8	358.8	71		
Bengaluru East	216.5	314.4	45		
Mahadevpura_1	216.5	206.4	-5		
Bidarahalli_2	230.5	300.0	30		
Varturu_1	219.2	360.0	64		
K R Pura_2	228.2	312.4	37		
K R Pura_3	222.7	263.4	18		
Varturu_2	230.9	315.6	37		
Bidarahalli_1	224.2	343.3	53		
Mahadevapura_2	232.6	185.6	-20		
Marathahalli	233.7	342.9	47		
Bidharahalli_3	218.9	408.5	87		
Yelahanka	208.2	400.6	92		
Yelahanka_1	208.2	532.5	156		
Yelahanka_2	212.6	460.5	117		
Yelahanka_3	213.7	475.6	123		
Jala_1	208.0	266.6	28		
Jala_2	208.3	358.0	72		
Jala_3	213.6	286.2	34		
Hesarughatta_1	188.0	444.8	137		
Hesarughatta_2	207.9	413.3	99		

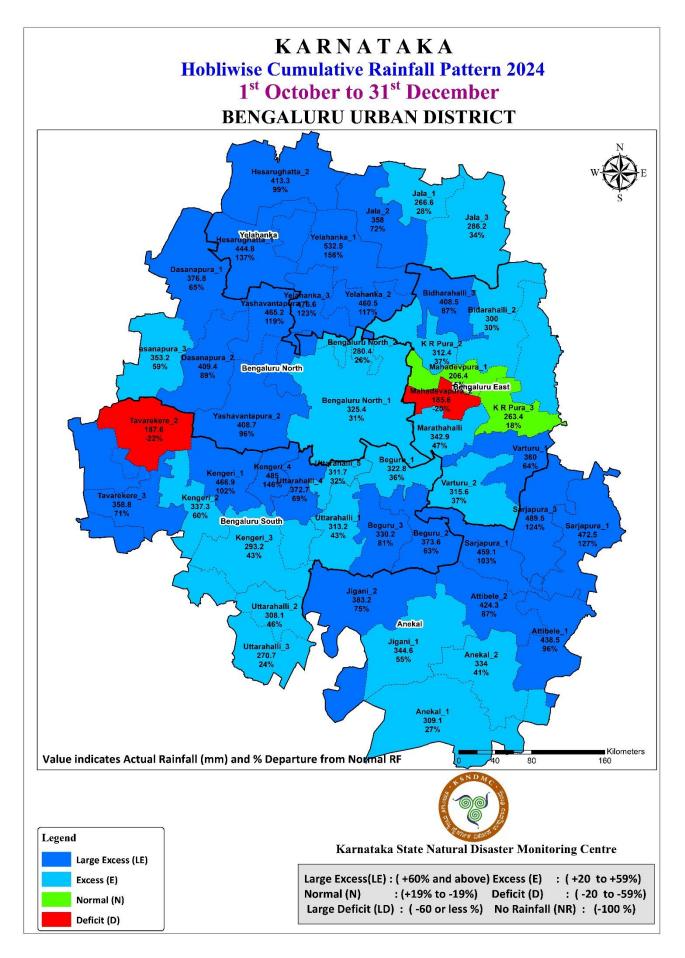
NORTH-EAST MONSOON RAINFALL TIME SERIES GRAPH

The below Graph depicts percentage departure of **North-East Monsoon** rainfall from normal in the **Bengaluru Urban** District, compared with the corresponding season since 1971.



The amount of rainfall recorded during **North-East monsoon-2023** is **more** when compared to the corresponding period of last year.





Agriculture Situation:

The normal and actual coverage of individual as well as the total crops in **<u>Bangalore Urban</u>** <u>**district**</u> is presented in the table given below. The table provides annual normal sown area, seasonwise actual area covered during 2024 for all the crops and compared with the cropwise area sown for 2023.

						(Area	in hectares)	
	Annual			2024			2023	
Crops	Normal (Kharif+ Rabi+ Summer)	Kharif	Rabi	Summer	Total Area (Col.3+ 4+5)	Col.6 as % of Col.2	Total Area sown (K+R+S)	Col.8 as % of Col.2
1	2	3	4	5	6	7	8	9
CEREALS	·							
Rice	199	175	0	0	175	88	156	78
Ragi	14618	19375	80	5	19460	133	18924	129
Maize	876	656	35	0	691	79	723	83
Minor Millets	36	10	0	0	10	28	25	69
Total Cereals	15729	20216	115	5	20336	129	19828	126
PULSES	·							
Tur	559	554	0	0	554	99	380	68
Horsegram	333	156	48	0	204	61	204	61
Blackgram	11	9	0	0	9	82	4	36
Greengram	15	15	0	0	15	100	10	67
Other Pulses	1089	1083	5	0	1088	100	896	82
Total Pulses	2007	1817	53	0	1870	93	1494	74
Total Foodgrains	17736	22033	168	5	22206	125	21322	120
OILSEEDS								
Groundnut	119	139	0	0	139	117	97	82
Sesamum	43	10	0	0	10	23	57	133
Sunflower	1	0	0	0	0	0	1	100
Other Oilseeds	64	74	0	0	74	116	54	84
Total Oilseeds	244	270	0	0	223	91	209	86
CASHCROPS								
Sugarcane	17	5	0	0	5	29	5	29
Total Cashcrops	17	5	0	0	5	29	5	29
Grand Total	17997	22308	168	5	22434	125	21536	120

(Area in hectares)

(Source: Directorate of Agriculture, GoK,) * Normal - 5 years average 2017 – 2021

** Other Pulses include cowpea & avare; *** Other Oilseeds include- mustard, castor, niger

During 2024, the season wise area sown as percentage of the total sown area for the year was:-

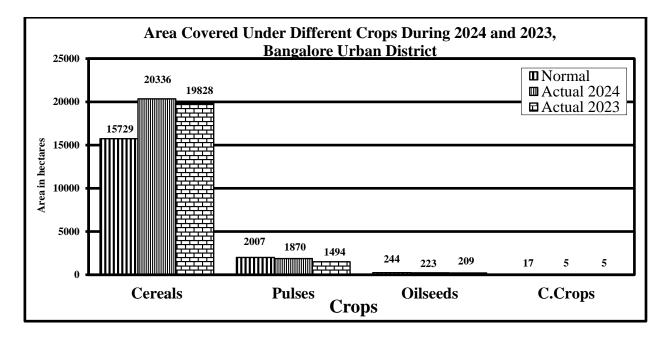
Kharif	: 99%
Rabi	: 1%
Summer	: 0%

During 2024, the area under total cereals was **129%** (**126%**) of the normal. The area covered under different cereal crops are: Rice - **88%**, Ragi - **133%**, Maize - **79%** and Minor Millets – **28%** of the normal.

In case of pulses, the area sown was 93% (74%) of the normal. The area covered under different pulses crops are: Tur – 99%, Horsegram - 61%; Blackgram – 82%; Greengram – 100% and Other Pulses – 100% of the normal.

In case of oilseeds, the area sown was 91% (86%) of the normal. The area covered under different oilseeds crops are: Groundnut – 117%; Sesamum – 23% and Other Oilseeds – 116% of the normal.

In case of cashcrops, the coverage was 29% (29%) of the normal.



Status of Minor Irrigation Tanks as on 31.12.2024:

Total No	No. OF TANKS FILLED UP TO THE LEVEL OF							
Of Tanks	Not filled	30%	31-50%	51-99%	100%			
46	0 (%)	9 (20%)	17 (15%)	16 (35%)	14 (30%)			

(The figs in bracket percentage of total Minor Irrigation tanks)

Conclusion:

- Bengaluru Urban district recorded Normal rainfall during 2024.
- Rainfall was Normal during Pre-Monsoon, South-West monsoon and Large Excess in North-East monsoon.
- During 2024, **22434 ha.** was sown which constitutes **125%** of the normal area.
- Status of minor irrigation tanks indicate that out of 46 M.I tanks, as many as < 30% storage in 0 tanks, 30% storage 9 tanks, 31% to 50% storage in 17 tanks, above 51% storage in 30 tanks.