



## **Brief note on Rainfall & Temperature Status (25-September-2023)**

**(from 24-September-2023 08:30 AM to 25-September-2023 08:30 AM)**

The State Cumulative Rainfall from 01-June-23 to 06-Sep-23 was 743.5 mm which surpassed SW Monsoon Season (June - September 2023) Normal Rainfall of 738.6 mm.

### ***Monsoon Season:***

- The period from June to September is referred as Southwest Monsoon Season. The Normal annual rainfall of the state is about 919.0 mm and about 80% of annual rainfall received from Southwest Monsoon season (738.6 mm) alone.
- During this year 2023-24, the southwest monsoon has set in Telangana on 24th June 2023, which is 14 days delay than the normal onset date of 10th June.

### ***September-Climatology:***

- Normal Rainfall for the month of September is 162.8 mm and Highest rainfall recorded during 24 hours is 440.6 mm at Chigurumamidi (Karimnagar) on 19-Sep-2006.
- The Average Maximum Temperature is 32.6°C and Highest Maximum Temperature 42.6°C Recorded at Burgampahad (Bhadradi-Kothagudem) on 26-Sep-2015.

### ***State-Day Status:***

- The State day Average Rainfall is 6.1 mm against 4.5 mm Normal.
- Highest Rainfall of 64.7 mm recorded at Addakal (Mahabubnagar).
- The highest Maximum Temperature of 36.6°C recorded at Khanapur P.S (Khammam).

### ***GHMC:***

- The GHMC Average Rainfall is 1.7 mm against 5.8 mm Normal.
- Highest Rainfall of 7.4 mm recorded at Rajendranagar (Rangareddy).
- The highest Maximum Temperature of 32.8°C recorded at Seethapalmandi Kindi Basthi Comm Hall (Hyderabad).

### ***Cumulative Rainfall Status:***

- The State Cumulative Rainfall from 01-June-2023 to 25-September-2023 is 840.1 mm against Normal 717.3 mm with deviation 17%.
- The GHMC Cumulative Rainfall from 01-June-2023 to 25-September-2023 is 733.9 mm against Normal 592.1 mm with deviation 24%.

### ***IMD Second Half of SW Monsoon Season (August-September 2023) Forecast:***

- The Second Half of SW Monsoon Season (August-September 2023) rainfall is very likely below normal over the State.

### ***September-2023 Monthly Rainfall and Temperature Forecast:***

- During September-2023, the special distribution suggests that Normal to above normal Rainfall is most likely over many Districts of the State.
- Maximum temperatures are very likely normal to below normal and Minimum temperatures are likely above normal over most Districts of the State.

### ***Present Status of Rain gauge:***

- a) TSDPS has installed 1044 AWS at 10 X 10 Km grid and obtains the data on hourly basis by using Global System for Mobile Communication (GSM) technology.
- b) AWS records five weather parameters, viz., Rainfall, Wind Speed, Wind Direction, Humidity and Temperature.
- c) The DES Collects and maintains rainfall data recorded in all 595 manual rain gauges in the Mandal headquarters.
- d) IMD also installed 12 manual rain gauges, 10 AWSs and 55 ARGs. As on the date.
- e) The State has a total rain gauge network of 1716 stations (607 Manual, 1054 AWSs and 55 ARGs).

### ***Integration of Rainfall Data:***

The Integration of rainfall data recorded at all Rain gauges and bringing out a single representative average figure from 1st June, 2017 onwards and being made available, Mandal wise on:

**[DES website : "ecostat.telangana.gov.in"](http://ecostat.telangana.gov.in)**

**[TSDPS website : "tsdps.telangana.gov.in"](http://tsdps.telangana.gov.in)**

This integrated rainfall data is being utilized as official data for all purposes.

## Telangana State Rainfall Report on 25-September-2023

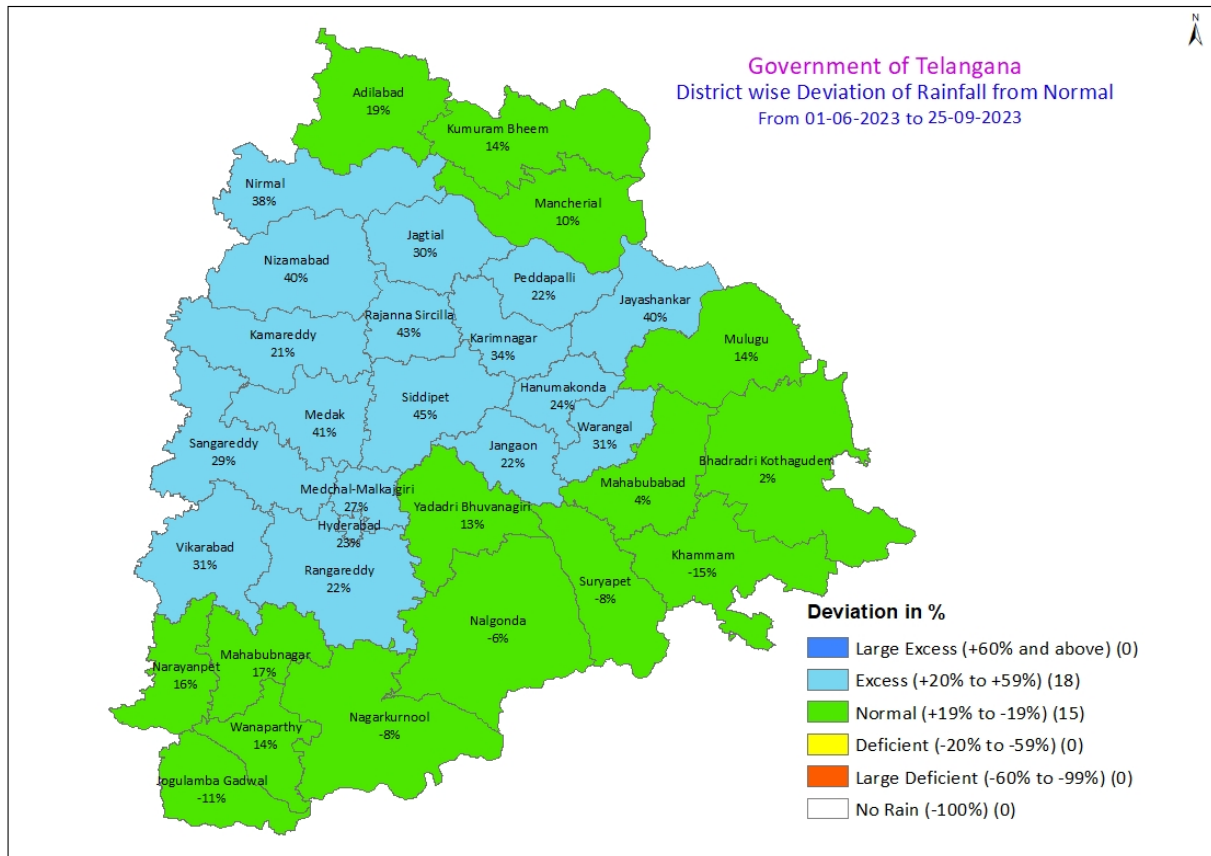
A	Average rainfall on <b>25-September-2023</b> of the State	<b>6.1 mm</b>				
B	Rainfall during the year: 2023-24 (Rainfall in mm)					
Sl. No.	Current Year Rainfall	Cumulative Normal	Actual Rainfall		Current Year % of Dev. over Normal	% of Dev. over Previous year
			Prev. Year (2022-23)	Current Year (2023-24)		
1	<b>01-June-2023 to 25-September-2023</b>	717.3	1058.2	840.1	17	-21

### District wise Rainfall Status as on 25-September-2023

S.	Districts	Today's Rainfall(mm)			Cumulative Rainfall (mm) from 01/06/2023				
		Actual	Normal	Dev(%)	Actual	Normal	Dev(%)	Status	Rainy days*
1	Siddipet	5.9	5.2	13	846.7	585.7	45	Excess	41
2	Rajanna Sircilla	2.7	6.4	-58	1009.1	705.6	43	Excess	42
3	Medak	0.4	6.4	-94	941.0	665.6	41	Excess	45
4	Jayashankar	3.8	5.3	-28	1293.9	922.8	40	Excess	56
5	Nizamabad	9.9	4.1	141	1168.5	837.2	40	Excess	53
6	Nirmal	10.5	5.1	106	1237.9	894.0	38	Excess	54
7	Karimnagar	3.4	5.3	-36	964.8	718.2	34	Excess	42
8	Warangal	13.7	3.9	251	1092.5	831.9	31	Excess	48
9	Vikarabad	7.9	6.0	32	784.6	601.2	31	Excess	42
10	Jagtial	0.1	6.0	-98	1081.7	831.0	30	Excess	45
11	Sangareddy	3.1	6.4	-52	827.9	640.5	29	Excess	44
12	Medchal-Malkajgiri	0.9	6.1	-85	728.9	575.4	27	Excess	40
13	Hanumakonda	11.1	3.7	200	994.4	803.8	24	Excess	45
14	Hyderabad	1.4	6.3	-78	724.1	589.5	23	Excess	31
15	Rangareddy	2.0	4.3	-53	616.8	507.5	22	Excess	36
16	Jangaon	12.0	4.5	167	828.9	679.1	22	Excess	41
17	Peddapalli	1.5	7.6	-80	1045.6	857.4	22	Excess	44
18	Kamareddy	4.7	4.8	-2	959.7	795.9	21	Excess	51
19	Adilabad	19.9	4.2	374	1164.2	979.4	19	Normal	58
20	Mahabubnagar	10.7	4.1	161	539.3	462.2	17	Normal	37
21	Narayanpet	17.2	3.5	391	521.5	450.6	16	Normal	44
22	Kumuram Bheem	7.9	5.7	39	1154.3	1010.0	14	Normal	56
23	Wanaparthy	7.6	3.0	153	517.0	454.8	14	Normal	34
24	Mulugu	10.4	5.1	104	1281.7	1128.0	14	Normal	65
25	Yadadri Bhuvanagiri	1.1	5.0	-78	591.5	522.9	13	Normal	38
26	Mancherial	5.0	5.8	-14	1014.7	922.1	10	Normal	51
27	Mahabubabad	8.2	2.7	204	827.7	795.9	4	Normal	42
28	Bhadradi Kothagudem	4.0	3.8	5	958.4	941.6	2	Normal	56
29	Nalgonda	1.8	3.4	-47	455.3	484.6	-6	Normal	38
30	Suryapet	11.8	3.0	293	535.3	579.6	-8	Normal	38
31	Nagarkurnool	2.1	3.3	-36	406.5	441.6	-8	Normal	33
32	Jogulamba Gadwal	2.7	3.5	-23	360.3	405.8	-11	Normal	30
33	Khammam	2.9	2.7	7	658.5	779.2	-15	Normal	47
	<b>State Average</b>	<b>6.1</b>	<b>4.5</b>	<b>36</b>	<b>840.1</b>	<b>717.3</b>	<b>17</b>	<b>Normal</b>	<b>57</b>

Note \* A rainy day is defined as Rainfall received in 24 hrs is  $\geq 2.5$ mm

S. No	Cumulative Annual Rainfall Distribution from 01-June-2023	No. of Districts	No. of Mandals	Today's Rainfall distribution	No. of Mandals
1	Large Excess (+60% and above)	0	29	No Rain (0.0 to 0.2mm)	212
2	Excess (+20% to +59%)	18	273	Very Light (0.3 to 2.4mm)	123
3	Normal (-19% to 19%)	15	278	Light (2.5 to 15.5mm)	196
4	Deficient (-20% to -59%)	0	32	Moderate (15.6 to 64.4mm)	80
5	Large Deficient (-60% to -99%)	0	0	Heavy (64.4 to 115.5mm)	1
6	No Rain (-100%)	0	0	Very Heavy (115.6 to 204.4mm)	0
				Extremely Heavy (>204.4mm)	0
<b>Total</b>		<b>33</b>	<b>612</b>	<b>Total</b>	<b>612</b>



### Top 10 Mandal wise Rainfall Recorded as on 25-September-2023

S.No	District	Mandal	Rain (mm)
1	Mahabubnagar	Addakal	64.7
2	Narayanpet	Dhanwada	54.9
3	Narayanpet	Marikal	47.8
4	Bhadradi Kothagudem	Aswaraopeta	47.1
5	Mulugu	Venkatapuram	44.4
6	Warangal	Wardhannapet	42.7
7	Hanumakonda	Velair	39.9
8	Mancherial	Bheemini	39.5
9	Warangal	Raiparthy	39.4
10	Mahabubabad	Maripeda	39.2

### Month wise Rainfall Status as on 25-September-2023

S.No	Month	Month Normal	Normal As on Date	Actual Rainfall (As on Date)		Current Year % of Dev. Over Normal	% of Dev over Previous Year
				Prev. Year (2022-23)	Current Year (2023-24)		
1	June	129.4	129.4	150.5	72.6	-44	-52
2	July	229.1	229.1	539.9	489.9	114	-9
3	August	217.4	217.4	186.1	80.0	-63	-57
4	September	162.8	141.4	181.7	197.6	40	9
<b>Southwest Monsoon</b>		<b>738.6</b>	<b>717.3</b>	<b>1058.2</b>	<b>840.1</b>	<b>17</b>	<b>-21</b>

Chief Executive Officer,  
TSDPS