



Brief note on Rainfall & Temperature Status (01-Dec-2023)

(from 30-Nov-2023 08:30 AM to 01-Dec-2023 08:30 AM)

Northeast Monsoon:

- The period from October to December is referred as Northeast Monsoon Season. The Normal annual rainfall of the state is about 919.0 mm and about 12% of annual rainfall received from Northeast Monsoon season (113.2 mm) alone.

December-Climatology:

- Normal Rainfall for the month of December is 4.1 mm and Highest rainfall recorded during 24 hours is 121.8 mm at Basheerabad (Vikarabad) on 08-Dec-2013.
- The Average Minimum Temperature is 15.8°C and Lowest Minimum Temperature 1.8°C Recorded at Sirpur (U) (Kumuram-Bheem) on 28-Dec-2014.

State-Daily Rainfall Status:

- Highest Rainfall of 4.5 mm recorded at Mosra (Nizamabad).
- The State day Average Rainfall is 0.0 mm against 0.0 mm Normal.

GHMC- Daily Rainfall Status:

- Highest Rainfall of 0.4 mm recorded at Malkajgiri (Medchal-Malkajgiri).
- The GHMC Average Rainfall is 0.0 mm against 0.0 mm Normal.

State-Daily Temperature Status:

- The Lowest Minimum Temperature of 15.3°C recorded at Tallapally (Rangareddy).
- The State day Minimum Average Temperature is 19.0°C against 17.2°C Normal.

GHMC-Daily Temperature Status:

- The Lowest Minimum Temperature of 17.3°C recorded at Rajendranagar (ARS) (Rangareddy).
- The GHMC day Minimum Average Temperature is 20.3°C against 18.5°C Normal.

Cumulative Rainfall Status:

- The State Cumulative Rainfall from 01-Jun-23 to 01-Dec-23 is 888.2 mm against Normal 847.8 mm with deviation 5%.
- The GHMC Cumulative Rainfall from 01-Jun-23 to 01-Dec-23 is 795.9 mm against Normal 748.3 mm with deviation 6%.

IMD Northeast Monsoon Season (October-December 2023) Forecast:

- The NE Monsoon Season (October-December 2023) rainfall is normal to above-normal rainfall is likely over the State.

Present Status of Rain gauge:

- a) TSDPS has installed 1044 AWS at 10 Km × 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 for each mandal from 1st June, 2017 onwards and being made available, Mandal wise on:

DES website : "ecostat.telangana.gov.in"

TSDPS website : "tsdps.telangana.gov.in"

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

Telangana State Rainfall Report on 01-Dec-2023

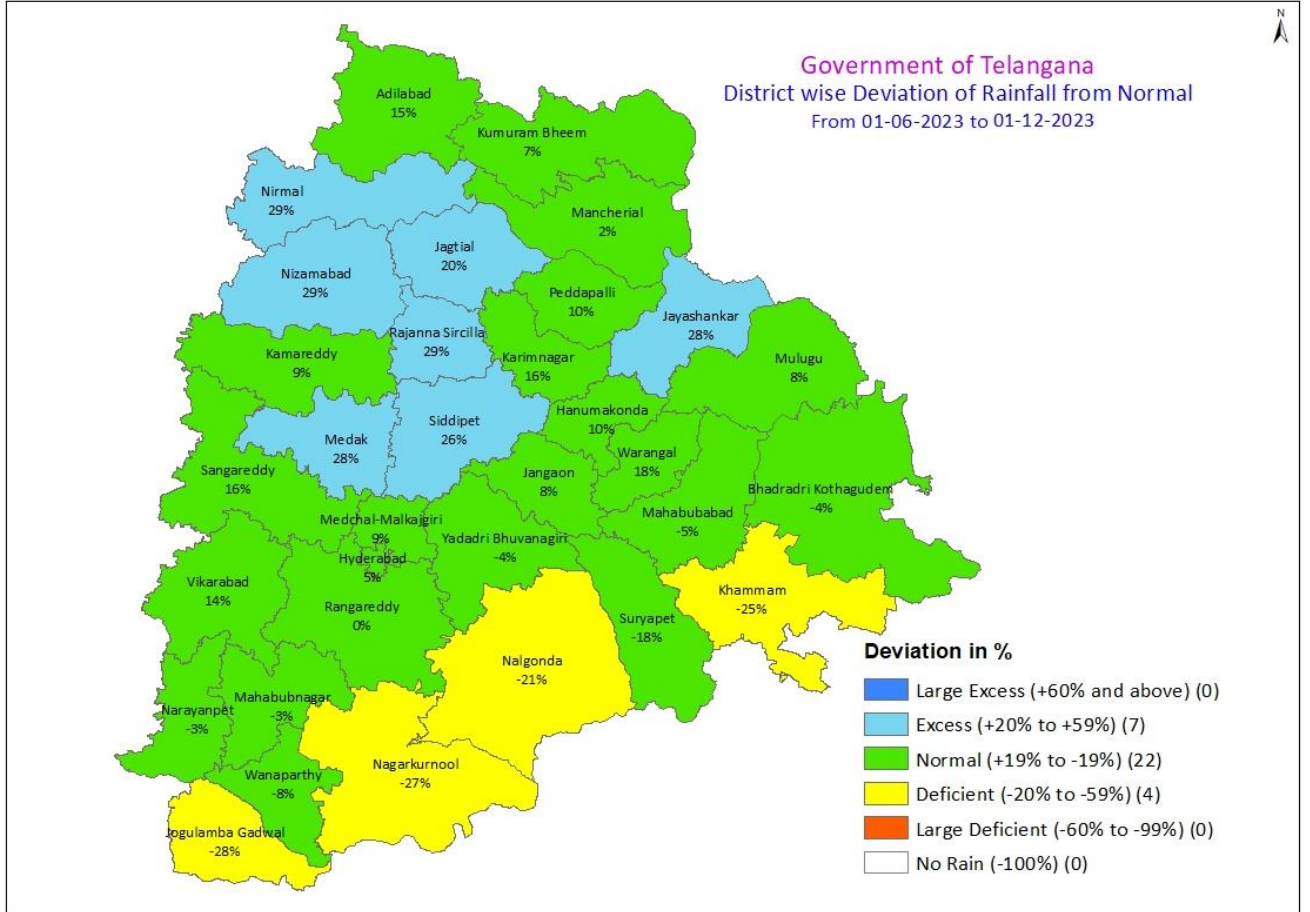
A	Average rainfall on 01-Dec-2023 of the State	0.0 mm				
B	RAINFALL DURING THE YEAR: 2023-2024(Rainfall in mm)					
Sl. No.	Current Year Rainfall	Cumulative Normal	Actual Rainfall		Current Year % of Dev. over Normal	% of Dev over Previous year
			Pre. Year (2022-23)	Current Year (2023-24)		
1	01-Jun-2023 to 01-Dec-2023	847.8	1216.8	888.2	5	-27

District wise Rainfall Status as on 01-Dec-2023

S. NO	Districts	Today's Rainfall(mm)			Cumulative Rainfall (mm) from 01/06/2023			
		Actual	Normal	Dev(%)	Actual	Normal	Dev(%)	Status
1	Nirmal	0.2	0.0	100	1295.0	1003.7	29	Excess
2	Nizamabad	0.4	0.0	100	1230.8	954.9	29	Excess
3	Rajanna Sircilla	0.0	0.0	0	1069.0	829.7	29	Excess
4	Medak	0.0	0.0	0	1007.0	784.2	28	Excess
5	Jayashankar	0.0	0.0	0	1324.2	1032.5	28	Excess
6	Siddipet	0.0	0.0	0	891.0	708.5	26	Excess
7	Jagtial	0.0	0.0	0	1127.5	942.3	20	Excess
8	Warangal	0.0	0.0	0	1131.9	960.0	18	Normal
9	Sangareddy	0.0	0.0	0	893.9	770.7	16	Normal
10	Karimnagar	0.0	0.0	0	982.3	844.2	16	Normal
11	Adilabad	0.0	0.3	-100	1247.9	1087.0	15	Normal
12	Vikarabad	0.0	0.1	-100	824.3	725.8	14	Normal
13	Peddapalli	0.0	0.0	0	1068.6	971.7	10	Normal
14	Hanumakonda	0.0	0.0	0	1029.6	933.4	10	Normal
15	Medchal-Malkajgiri	0.0	0.0	0	787.7	724.7	9	Normal
16	Kamareddy	0.0	0.2	-100	1013.3	927.6	9	Normal
17	Mulugu	0.0	0.0	0	1348.3	1251.7	8	Normal
18	Jangaon	0.0	0.0	0	879.1	811.5	8	Normal
19	Kumuram Bheem	0.0	0.0	0	1186.1	1109.9	7	Normal
20	Hyderabad	0.0	0.0	0	789.4	751.5	5	Normal
21	Mancherial	0.0	0.0	0	1042.6	1025.7	2	Normal
22	Rangareddy	0.0	0.0	0	652.5	655.1	0	Normal
23	Narayanpet	0.0	0.5	-100	549.8	565.1	-3	Normal
24	Mahabubnagar	0.0	0.1	-100	572.3	587.1	-3	Normal
25	Yadadri Bhuvanagiri	0.0	0.0	0	643.7	673.8	-4	Normal
26	Bhadradi Kothagudem	0.0	0.0	0	1036.6	1085.1	-4	Normal
27	Mahabubabad	0.0	0.0	0	884.9	934.4	-5	Normal
28	Wanaparthy	0.0	0.1	-100	537.0	581.7	-8	Normal
29	Suryapet	0.0	0.0	0	591.7	722.3	-18	Normal
30	Nalgonda	0.0	0.0	0	507.9	642.8	-21	Deficient
31	Khammam	0.0	0.0	0	708.2	943.8	-25	Deficient
32	Nagarkurnool	0.0	0.0	0	432.2	590.8	-27	Deficient
33	Jogulamba Gadwal	0.0	0.1	-100	383.1	530.6	-28	Deficient
	State Average	0.0	0.0	0	888.2	847.8	5	Normal

S. No	Cumulative Annual Rainfall Distribution from 01-Jun-2023	No. of Districts	No. of Mandals
1	Large Excess (+60% and above)	0	14
2	Excess (+20% to +59%)	7	156
3	Normal (-19% to 19%)	22	350
4	Deficient (-20% to -59%)	4	92
5	Large Deficient (-60% to -99%)	0	0
6	No Rain (-100%)	0	0
Total		33	612

Today's Rainfall distribution	No. of Mandals
No Rain (0.0 to 0.2mm)	602
Very Light (0.3 to 2.4mm)	7
Light (2.5 to 15.5mm)	3
Moderate (15.6 to 64.4mm)	0
Heavy (64.4 to 115.5mm)	0
Very Heavy (115.6 to 204.4mm)	0
Extremely Heavy (>204.4mm)	0
Total	612



Top 10 Mandal wise Rainfall Recorded as on 01-Dec-2023

S.No	District	Mandal	Rain (mm)
1	Nizamabad	Mosra	4.5
2	Nirmal	Mudhole	3.2
3	Nizamabad	Nizamabad_South	2.5
4	Nizamabad	Yeda_Palle	2.3
5	Nizamabad	Saloor	2.0
6	Nizamabad	Nizamabad_Rural	0.7
7	Nizamabad	Nizamabad_North	0.5
8	Kamareddy	Bhiknur	0.5
9	Medchal-Malkajiri	Malkajiri	0.4
10	Kumuram Bheem	Dahegaon	0.3

District wise Minimum Temperature (°C) Report on 01-Dec-2023

S.No	District	Average Minimum Temperature (°C)			Lowest Observed Minimum Temperature(°C)		
		Actual	Normal	Departure	Last Year Temp(°C)	Today's Temp(°C)	Mandal(Location)
1	Rangareddy	18.5	16.3	2.2	11.3	15.3	Shabad(Tallapally)
2	Yadadri Bhuvanagiri	18.4	17.5	0.9	13.9	15.5	Rajapet(Pamukunta)
3	Mahabubnagar	18.9	17.2	1.7	12.0	15.9	Midjil(Donur)
4	Sangareddy	18.5	15.7	2.8	10.6	15.9	Kohir(Kohir)
5	Nalgonda	19.5	18.7	0.8	15.4	16.4	Chinthapalle(Godkondla)
6	Jangaon	18.1	17.6	0.5	14.6	16.6	Bachannapet(Bachannapet)
7	Kumuram Bheem	18.6	15.9	2.7	9.4	16.7	Tiryani(Ginnedari)
8	Warangal	18.4	18.0	0.4	15.1	16.7	Chennaraopet(Chennaraopet)
9	Rajanna Sircilla	18.3	15.5	2.8	12.8	16.8	Boinpalle(Boinpalle)
10	Vikarabad	18.7	15.9	2.8	10.9	16.8	Marpalle(Marpalle)
11	Adilabad	18.5	15.2	3.3	9.8	17.1	Boath(Sonala)
12	Siddipet	18.6	16.3	2.3	12.7	17.1	Rayapole(Ramaram)
13	Medchal-Malkajgiri	19.8	17.6	2.2	12.9	17.2	Ghatkesar(ESS Kondapur)
14	Khammam	19.3	19.2	0.1	18.0	17.2	Sathupalle(Gangaram)
15	Medak	18.4	16.1	2.3	12.4	17.3	Ramayampet (Dongala Dharmaram ESS)
16	Jayashankar	18.5	17.2	1.3	14.7	17.3	Regonda(Kothapallegori)
17	Bhadradi Kothagudem	18.5	18.8	-0.3	16.3	17.3	Dammapeta (Naidupeta)
18	Mancherial	18.9	16.7	2.2	11.7	17.4	Jannaram (Kawal Tiger Reserve - Jannaram)
19	Karimnagar	19.0	17.1	1.9	14.5	17.6	Choppadandi(Arnakonda)
20	Narayanpet	19.6	17.6	2.0	13.5	17.6	Damaragidda(Damaragidda)
21	Mahabubabad	19.3	18.4	0.9	16.4	17.7	Kothaguda(Kothaguda)
22	Jagtial	18.8	15.8	3.0	13.2	17.7	Mallapur(Mallapur)
23	Mulugu	18.7	17.3	1.4	14.6	17.7	Govindaraopet(Govindaraopet)
24	Hanumakonda	19.1	17.6	1.5	14.7	17.8	Athmakur(Athmakur)
25	Kamareddy	19.5	15.8	3.7	11.4	17.9	Palwancha(Elupugonda)
26	Peddapalli	19.2	16.6	2.6	14.8	18.0	Eligaid(Eligaid)
27	Nagarkurnool	19.2	17.5	1.7	14.9	18.1	Amrabad(Vatwarlapally)
28	Nizamabad	19.2	16.2	3.0	10.8	18.1	Dichpally(Dichpally)
29	Nirmal	19.4	15.7	3.7	11.2	18.3	Laxmanchanda(Waddyal)
30	Suryapet	19.6	19.3	0.3	16.6	18.4	Nagaram(Phanigiri)
31	Wanaparthy	20.0	18.8	1.2	17.6	18.5	Gopalpet(Gopalpet)
32	Hyderabad	20.6	19.4	1.2	15.0	18.6	Secunderabad(Mondamarket)
33	Jogulamba Gadwal	20.5	19.0	1.5	16.2	18.8	Undavelly(Undavelly)
State		19.0	17.2	1.8	9.4*	15.3*	Shabad(Tallapally)

<=4	>4 to <=10	>10 to <=15	>15
Warning	Alert	Watch	No Warning

Note: *Minimum Temperature in the state

Month wise Rainfall Status as on 01-Dec-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	162.7	221.6	218.6	34	-1
Southwest Monsoon		738.6	738.6	1098.1	861.1	17	-22
1	October	89.2	89.2	117.8	6.5	-93	-94
2	November	19.9	19.9	0.9	20.6	4	2189
3	December	4.1	0.1	0.0	0.0	-100	-
Northeast Monsoon		113.2	109.2	118.7	27.1	-75	-77
Annual Rainfall		919.0	847.8	1216.8	888.2	5	-27

**Chief Executive Officer,
TSDPS**