

## WEATHER REPORT WINTER (JANUARY TO FEBRUARY), 2024 (JHARKHAND)

### HIGHLIGHTS

- In January-2024, the **induced cyclonic circulations** over North-western part of India in lower level due to **W.D**, their East-Northeastward movement, lower level North-South **trough** to the south-West of Jharkhand state, lower level cyclonic circulation over **GWB**, Bihar & U.P and presence of **Jet Stream** in upper troposphere over plains of North India were the major synoptic features influencing the weather of Jharkhand.
- In February-2024, the **induced cyclonic circulations** over North-western part of India in lower level due to **W.D**, their East-Northeastward movement, lower level North-South **trough** over western & central India and their eastward movement, lower level trough in westerlies and presence of **Jet Stream** in upper troposphere over plains of North India were the major synoptic features influencing the weather of Jharkhand.
- Above systems led to Thunderstorm, rainfall, cloudy & foggy weather, cold wave condition and Hail at different interval of time during Winter Season, 2024.
- Rainfall occurred on 28 days in the season.
- The highest rainfall recorded at **Simdega Block - 54.4 mm** on 18.01.2024 in the season.
- The observed monthly rainfall for January, 2024 was 8.2 mm against the normal rainfall of 11.0 mm. Thus departure of Monthly observed rainfall was - 25% from normal monthly rainfall which is a Deficient (Departure: -20% to 59%) rainfall.
- The observed monthly rainfall for February, 2024 was 25.6 mm against the normal rainfall of 14.5 mm. Thus departure of Monthly observed rainfall was + 77% from normal monthly rainfall which is a Large Excess (Departure: > 59%) rainfall.
- The observed seasonal (Winter) rainfall (from 01st January, 2024 to 29<sup>th</sup> February, 2024) over Jharkhand state as a whole was 33.8 mm against the normal (LPA) rainfall of 25.4 mm and the departure was +33%. Cumulatively it was an Excess (Departure: +20% to +59%) rainfall.
- Out of total 24 districts of the state, 06 districts received Large excess, 04 districts Excess, 08 districts Normal, 05 districts deficient and remaining 01 district received Large deficient rainfall during **Winter -2024 (January to February, 2024)**.
- Overall monthly average maximum temperature over most parts of the state was normal except North-East part where it was below normal during the month of January, 2024.
- Overall monthly average maximum temperature over most parts of the state was normal during the month of February, 2024.
- The highest monthly average maximum of 25.8 °C in January-2024 was for Chaibasa.
- **The highest monthly average maximum of 30.1 °C in February-2024 was for Chaibasa which is also the highest monthly average in the season.**
- The **highest Maximum Temperature for January-2024 was 29.8 °C recorded at Chaibasa on 14.01.2024.**
- The **highest Maximum Temperature for Winter season was 34.6 °C recorded at Jamshedpur on 20.02.2024.**

### HIGHLIGHTS (CONTINUED)

- From 12th of January, 2024 onwards, Minimum temperature over most parts of the state remained below normal to normal and during rest period they were normal to above normal.
- The **lowest Minimum Temperature for the Month of January, 2024 was 3.0 °C** recorded at Gumla KVK on 26.01.2024.
- Among five cities (Departmental /Non Departmental stations) the lowest monthly average minimum temperature of 9.7 °C was for Daltonganj in January-2024.
- Monthly average minimum temperature over eastern part was above normal and over rest part it was normal over the state in February-2024.
- Among five cities (Departmental/Part Time stations) the lowest monthly average minimum temperature of **13.4°C** was for Daltonganj in February-2024.
- The **lowest Minimum Temperature for the Month of February, 2024 was 3.0 °C** recorded at Gumla KVK on 09.02.2024.
- **The lowest Minimum temperature for the winter Season-2024 was 3.0 °C** was recorded at Gumla KVK on 26.01.2024. and on 09.02.2024.
- Foggy condition prevailed at 28 Nos of days at isolated places during Winter, 2024 over Jharkhand.
- Cold wave on seven number of days and Cold Day on one day were observed over Jharkhand in Winter-2024.
- Thunderstorm was reported on 07 Nos of days on 06<sup>th</sup> January-2024; 13<sup>th</sup>, 14<sup>th</sup>, 15<sup>th</sup>, 16<sup>th</sup>, 23<sup>rd</sup> and 28<sup>th</sup> of February-2024.
- No casualty/loss due to severe weather was reported from anywhere in the state during the month of January-2024.
- 03 casualty, 01 Injured and 06 animals` death due to severe weather were reported by print media during the month of February-2024.

**For detailed Weather information, mail us to: [metranchi.cs@gmail.com](mailto:metranchi.cs@gmail.com)**

