

## WEATHER REPORT MAY-2025 (JHARKHAND)

### HIGHLIGHTS

- The **Cyclonic circulation, East-West & North-South troughs** over Jharkhand state and its neighbourhood extending mostly in lower levels (925-850) hpa were the main synoptic systems causing convective activity over the state. Besides these, **Deep depression** which laid centered over North-west Bay of Bengal on 29.05.2025, gradually moving nearly northwards and weakening into depression & well marked Low, were also the major systems influencing the weather of Jharkhand state. By 31.05.2025, above system further weakened and became less marked.
- **Western Disturbances:** There were seven Western Disturbances (WDs) observed over Indian region and their periods were during 1-3, 3-9, 8-15, 9-11, 17-22, 25-27 and 28-31 May. Out of these 7 WDs, all were active (except one during 9-11 May), which caused frequent occurrences of rain and thunderstorm activities accompanied with gusty winds and hail storms across Western Himalayan region, plains of Northwest and central India. **But none of above WDs had significant contribution to convective activity over the state of Jharkhand.**
- Rainfall occurred on 31 days in the month.
- Daily observed rainfall was normal to below normal during first half and normal to above normal during latter half of the month.
- Monthly & seasonal cumulative rainfall for May, 2025 were above normal throughout the month.
- The highest rainfall recoded at **Chaibasa Sadar (West Singhbhum District) – 102.6 mm** on 22.05.2025.
- The observed monthly rainfall was 100.6 mm against the normal rainfall of 48.7 mm. Thus departure of Monthly observed rainfall for May, 2025 was + 106 % from normal monthly rainfall which is a **Large Excess** (Departure: > +59% ) rainfall.
- The observed seasonal rainfall (from 01<sup>st</sup> March, 2025 to 31<sup>st</sup> May, 2025) over Jharkhand state as a whole was 168.9 mm against the normal (LPA) rainfall of 83.3 mm and the departure was + 103 %. Cumulatively it was also a **Large Excess** (Departure: > +59%) rainfall.
- Out of total 24 districts of the state, 01 district received **deficient**, 01 district **normal**, 03 districts **excess** and remaining 19 districts received large Excess rainfall during **May, 2025**.
- Out of total 24 districts of the state, 01 district received **Deficient**, 01 districts **Normal**, 01 district **Excess** and remaining 22 districts received **large Excess** rainfall during **Pre-Monsoon season, 2025**.
- On most number of days in the month observed maximum temperature was below normal. Over all monthly average maximum temperature over most parts of the state was also below normal during the month of May, 2025. Among five cities (Ranchi, Jamshedpur, Daltonganj, Bokaro, Chaibasa), the highest monthly average maximum of 38.5 °C was for Daltonganj.
- The **highest Maximum Temperature for the Month is 43.8 °C** recorded at **M.O.Daltonganj** on 17.05.2025.

**HIGHLIGHTS (continued)**

- Daily observed minimum temperature was Normal to below normal for most parts of the state except North Eastern part where it was normal to above normal in the month of May, 2025.
- Over all monthly average minimum temperature over the state was normal except north eastern part where it was above normal. Among five cities (Ranchi, Jamshedpur, Daltonganj, Bokaro, Chaibasa) the lowest monthly average minimum temperature of 22.6 °C was for Ranchi.
- The **lowest Minimum Temperature for the Month of May, 2025 is 15.6 °C** recorded at **Lohardaga-AWS** on 02.05.2025.
- Gusty wind > 20 Kts on 24 days was observed over Jharkhand in May-2025. The highest gusty wind reported was 46KT at Barhi (Hazaribag District) on 02.05.2025.
- No Heat wave realized in the state in May, 2025.
- Thunderstorm was observed on 25 days in the month of May-2025.
- Hail was observed on five number of days (02, 03, 04, 05, 16) in the month of May-2025.
- **50** casualty/loss and 32 injured due to lightning strike as reported by media during the month of May-2025.