WEATHER REPORT MARCH-2024 (JHARKHAND)

HIGHLIGHTS

- 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 & East-West trough, lower level cyclonic circulation in the neighbourhood of Jharkhand and also the W.D as **trough** over the state in middle to upper tropospheric level were the major synoptic features in March-2024 influencing the weather of Jharkhand.
- Above systems led to convective activity causing Rain/ Thundershower, gusty wind and also the hail over the state at different interval of time during the month of March, 2024.
- Rainfall occurred on 16 days in the month.
- The highest rainfall recoded at **Kanke (Ranchi) – 82.4 mm** on 21.03.2024.
- Daily cumulative for March, 2024 & Pre-monsoon seasonal (March – May) cumulative rainfall till March, 2024 was above normal to normal during most parts of the month.
- The observed monthly rainfall was 34.4 mm against the normal rainfall of 14.7 mm. Thus departure of Monthly observed rainfall for March, 2024 was +133% from normal monthly rainfall which is a Large Excess (Departure: 60% or more) rainfall.
- The observed seasonal (March – May) rainfall (from 01st March, 2024 to 31st March, 2024) over Jharkhand state as a whole was also 34.4 mm against the normal (LPA) rainfall of 14.7 mm and the departure was +133%. Cumulatively it was also a Large Excess (Departure: 60% or more) rainfall.
- Out of total 24 districts of the state, 16 districts received Large excess, 04 stations Excess and remaining 04 districts remained normal during March, 2024.
- Overall monthly average maximum temperature over most parts of the state was normal during the month of March, 2024. Among five cities (Ranchi, Jamshedpur, Daltonganj, Bokaro, Chaibasa), the highest monthly average maximum of 34.0 °C was for Jamshedpur.
- The **highest Maximum Temperature for the Month is 41.9 °C recorded at Pakur-AWS** on 31.03.2024.
- Monthly average minimum temperature over North-Eastern part was above normal and over rest part it was normal over the state. Among five cities the lowest monthly average minimum temperature of 16.8 °C was for Ranchi.
- The **lowest Minimum Temperature for the Month of March, 2024 is 10.2 °C** recorded at **Lohardaga-KVK** on 10.03.2024.
- Only one day (05.03.2024), foggy condition prevailed at Jamshedpur (MO) during March, 2024 over Jharkhand.
- Gusty wind on eight numbers (05, 17, 18, 19,20,21,26 and 31) of days was observed over Jharkhand in March-2024. The highest gusty wind reported was 57KT at Khunti (AWS) on 26.03.2024.
- Thunderstorm was observed on eleven number (03,04,05,07,17,18,19,20,21,26 and 31)in the month of March-2024.
- Hail was observed on two number of days (17 & 19) at Bokaro and Ranchi respectively in the month of March-2024.
- Two casualty/loss due to severe weather was reported from anywhere in the state during the month of March-2024.

For detailed weather report, mail us to:-**metranchi.cs@gmail.com**