

प्रेसविज्ञप्ति

PRESS RELEASE

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Subject: Outlook for the Seasonal Temperatures during the Hot Weather Season (March to May) and Monthly Rainfall and Temperatures During March: 2025

Highlights

- During the upcoming hot weather season (March to May (MAM)), above-normal maximum temperatures are most likely over most parts of the country, except over southern parts of Peninsular India, and isolated pockets of Northeast India and above-normal minimum temperatures are likely over most parts of the country except some isolated southernmost regions of Peninsular India.
- Monthly maximum temperatures for March 2025 are likely to be above normal over most parts of India, except over some southernmost parts of Peninsular India and above normal monthly minimum temperatures are likely over most parts of the country except some parts of Northwest India and South Peninsula.
- During March to May season 2025, above-normal number of heatwave days are likely over most parts of the country except over Northeast India, extreme north India and southwestern and southern parts of Peninsular India
- During March, 2025, above-normal heat wave days are likely over most parts of central India and adjoining northern parts of South Peninsula and some areas of northwest and east India..
- The rainfall during March 2025 averaged over the country as whole is most likely to be normal (83-117% of LPA). Above-normal rainfall is likely over parts of Peninsular India and neighbouring regions of south of central India, while normal to below-normal rainfall is likely in the rest of the country.

Outlook for the Temperatures during Winter Season (Mar.2025- May.2025) and Forecast for the Rainfall and Temperatures during March 2025:

1. Seasonal Temperature Forecast for March 2025 to May 2025

Fig.1a and Fig.1b show the probabilistic forecast of the maximum and minimum temperatures respectively for March to May (MAM) 2025 season. The probability forecast for maximum temperatures (Fig.1a) indicates that above-normal maximum temperatures are most likely over most parts of the country, except over southern parts of Peninsular India, and isolated pockets of Northeast India. The probability forecast for minimum temperatures (Fig.1b) indicates that during the season (MAM), above-normal minimum temperatures are likely over most parts of the country except some isolated southernmost regions of Peninsular India.

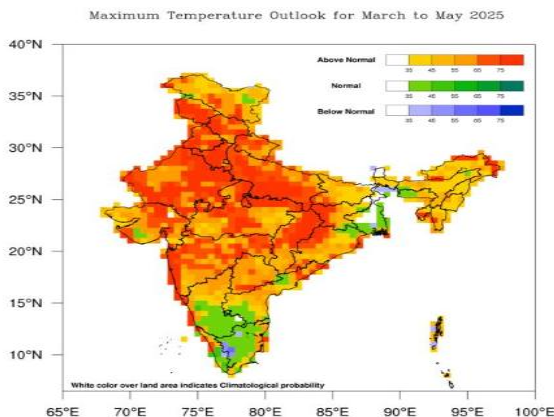


Fig.1a. Probability forecast of Maximum Temperature for March to May 2025.

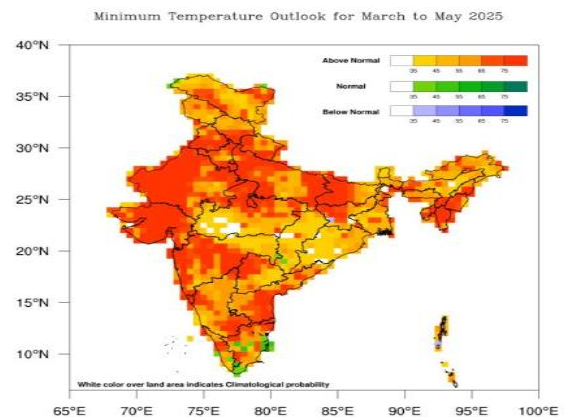


Fig.1b. Probability forecast of Minimum Temperature for March to May 2025.

2. Heat wave outlook for the March 2025 to May 2025 season and for the month of March 2025:

The anomaly (deviation from normal) forecast for the number of heat wave days in the country for March to May 2025 is shown in Fig.2. During March to May season 2025, above-normal number of heat wave days are likely over most parts of the country except over Northeast India, extreme north India and southwestern and southern parts of Peninsular India. The anomaly forecast for the number of heat wave days in the country for March 2025 is shown in Fig. 2(1). During March, 2025, above-normal heat wave days are likely over most parts of central India and adjoining northern parts of South Peninsula, many areas of south Peninsular India and, some areas of northwest and east India.

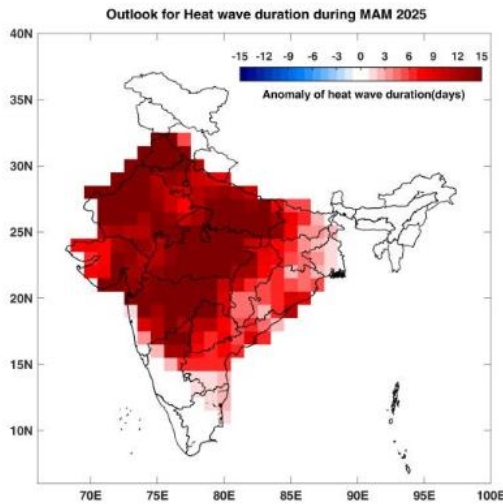


Fig2.Anomaly (Deviation from the normal) of Heat Wave Duration (days) for March 2025 to May 2025

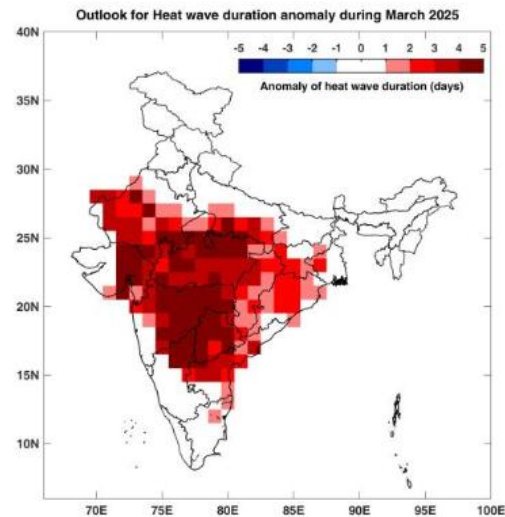


Fig2(1).Anomaly (Deviation from the normal) of Heat Wave Duration (Days) for March 2025.

3. Probabilistic Forecast for the Temperature during March 2025:

Fig.2a and Fig.2b show forecast probabilities of the maximum and minimum temperatures respectively for March 2025. During March 2025, monthly maximum temperatures are likely to be above normal over most parts of India, except over some southernmost parts of Peninsular India, where below normal maximum temperatures are likely.(Fig. 2a).During March 2025, above normal monthly minimum temperatures are likely over most parts of the country except some parts of Northwest India and South Peninsula, where normal minimum temperatures are most likely. (Fig.2b).

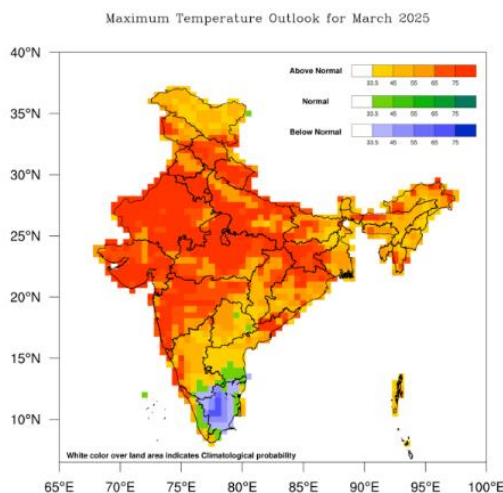


Fig2a. Probability forecast of Maximum Temperature for March 2025.

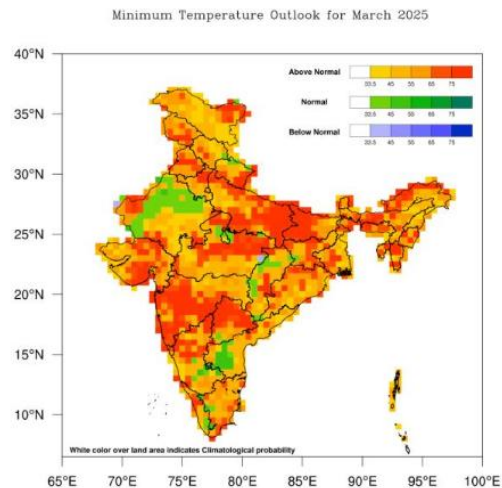


Fig2b. Probability forecast of Minimum Temperature for March 2025.

4. Probabilistic Forecast for the Rainfall during March 2025:

The rainfall during March 2025 averaged over the country is most likely to be normal (83-117% of LPA). The LPA of rainfall over the country during March based on data from 1971 to 2020 is about 29.9 mm. The probabilistic forecast for the spatial distribution of tercile rainfall categories (above normal, normal, and below normal) over the country for March 2025 is shown in Fig.3. The forecast suggests that above-normal rainfall is likely over most parts of Peninsular India and neighbouring regions of south of central India, while normal to below-normal rainfall is likely in the rest of the country. . The dotted areas in the map climatologically receive very less rainfall during March and the white-shaded areas within the land areas represent climatological probabilities.

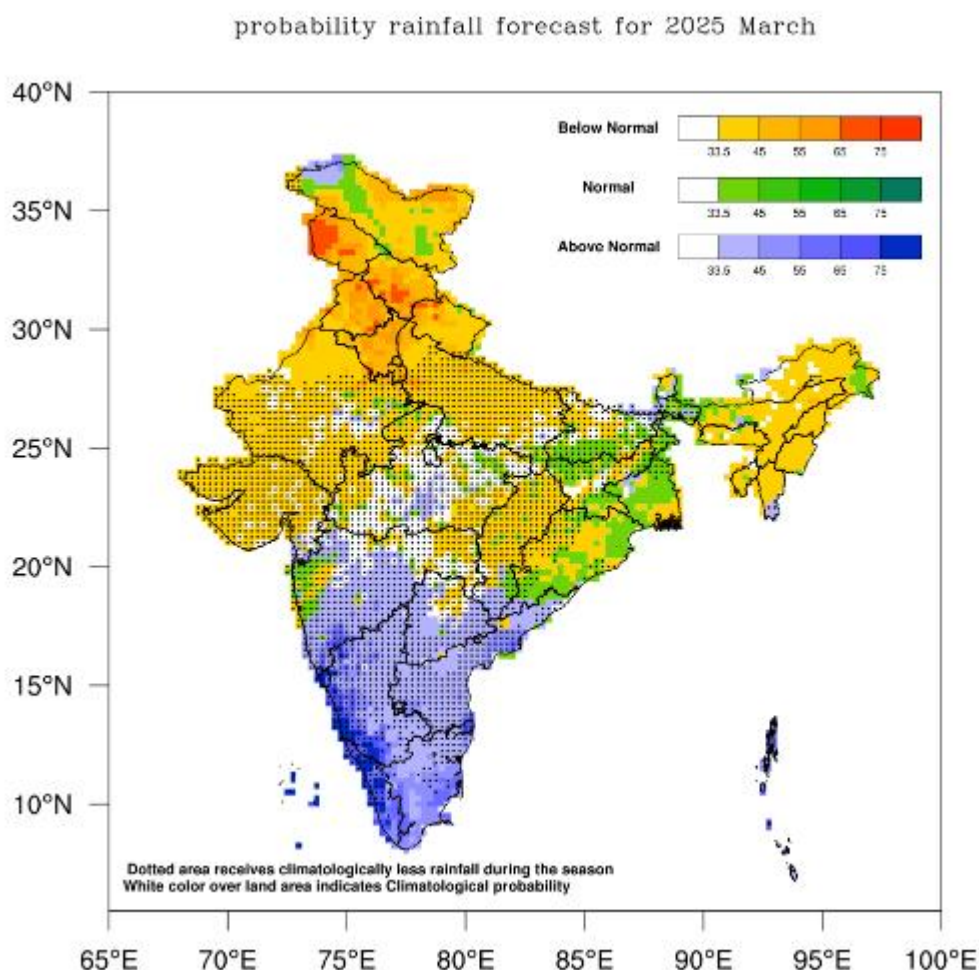


Fig.3. Probability forecast of tercile categories* (below normal, normal, and above normal) for the rainfall over India during March 2025. The figure illustrates the most likely categories as well as their probabilities. The dotted area shown in the map climatologically receives very less rainfall and the white-shaded areas within the land areas represent climatological probabilities. (*Tercile categories have equal climatological probabilities, of 33.33% each).

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