

Datia- Third Hottest Place in India | Madhya Pradesh | 20 May 2024

Why in News?

According to the **India Meteorological Department**, the temperature in **Datia district of Madhya Pradesh reached 47.5 degrees Celsius**, making it the third hottest place.

Key Points

- Najafgarh in Delhi recorded the highest temperature in the country at 47.8 degrees Celsius, with Agra closely behind at 47.7 degrees.
- According to the sources, Rain or <u>thunderstorms</u> may occur in certain areas of the eastern Madhya Pradesh districts.
- <u>Heatwave conditions</u> could be experienced in isolated regions in western and eastern Madhya Pradesh.

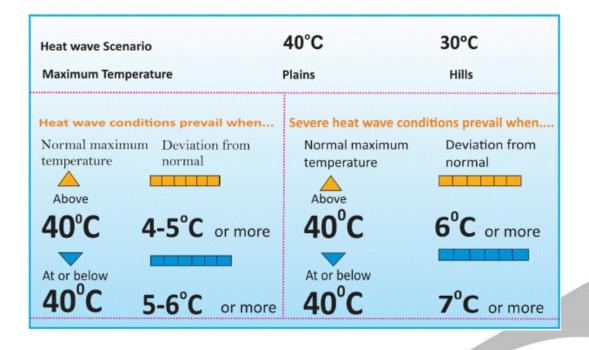
Heat Waves

- About:
 - Heatwaves are prolonged periods of excessively hot weather that can cause adverse impacts on human health, the environment, and the economy.
 - India, being a tropical country, is particularly vulnerable to heatwaves, which have become more frequent and intense in recent years.

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- IMD Criteria for Declaring Heat Wave in India:
 - Heat waves need not be considered till the maximum temperature of a station reaches at least 40°C for Plains and at least 30°C for Hilly regions.
 - If the normal maximum temperature of a station is less than or equal to 40°C, then an increase of 5°C to 6°C from the normal temperature is considered to be heat wave condition.
 - Further, an increase of 7°C or more from the normal temperature is considered a severe heat wave condition.
 - If the normal maximum temperature of a station is more than 40°C, then an increase of 4°C to 5°C from the normal temperature is considered to be heat wave condition. Further, an increase of 6°C or more is considered a severe heat wave condition.
 - Additionally, if the actual maximum temperature remains 45°C or more irrespective of normal maximum temperature, a heat wave is declared.

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