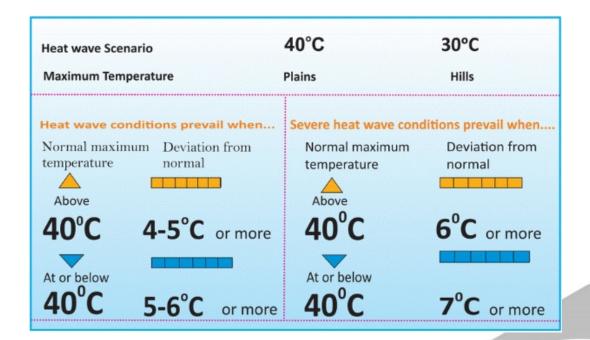# Datia- Third Hottest Place in India

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 **thunderstorms** may occur in certain areas of the eastern Madhya Pradesh districts.
- **Heatwave conditions** 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.
- **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 temperatur**e 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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Heat wave Scenario Maximum Temperature	40°C Plains	30°C Hills

Heat wave conditions prevail when...

Normal maximum temperature

Deviation from normal

△ Above

40°C **4-5°C** or more

▽ At or below

40°C **5-6°C** or more

Severe heat wave conditions prevail when....

Normal maximum temperature

Deviation from normal

△ Above

40°C **6°C** or more

▽ At or below

40°C **7°C** or more

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