



## 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 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.

Heat wave Scenario	40°C	30°C	
Maximum Temperature	Plains	Hills	
<b>Heat wave conditions prevail when...</b>	<b>Severe heat wave conditions prevail when....</b>		
Normal maximum temperature	Deviation from normal	Normal maximum temperature	Deviation from normal
▲ Above	▲ Above	▲ Above	▲ Above
40°C	4-5°C or more	40°C	6°C or more
▼ At or below	▼ At or below	▼ At or below	▼ At or below
40°C	5-6°C or more	40°C	7°C or more

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