



Heatwave in Haryana

Why in News?

Recently, the [India Meteorological Department \(IMD\)](#) has issued a "yellow" and "orange" alert, signaling the likelihood of heatwave conditions in Haryana.

Key Points

- 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.
- **Criteria for Declaring Heat Wave in India:**
 - **Plains and Hilly Regions:**
 - Heat wave is considered if the maximum temperature of a station reaches at least **40°C or more for Plains** and at least **30°C or more for Hilly regions**.
 - **Based on Departure from Normal Heat Wave:** Departure from normal is **4.50°C to 6.40°C**.
 - **Severe Heat Wave:** Departure from normal is **>6.40°C**.
 - Based on Actual Maximum Temperature Heat Wave: When actual maximum temperature $\geq 45^\circ\text{C}$.
 - **Severe Heat Wave:** When actual maximum temperature $\geq 47^\circ\text{C}$.
 - If the above criteria are met in **at least 2 stations** in a Meteorological subdivision for at least two consecutive days, it is declared so on the second day.
 - **Coastal Areas:**
 - When the maximum temperature departure is **4.50°C or more from normal**, a heat wave may be described provided the **actual maximum temperature is 37°C or more**.

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