



Heat Wave Conditions in Coastal Regions of Kerala

[Source: TH](#)

Recently, the [Indian Meteorological Department \(IMD\)](#) issued an alert warning of heatwave for 40°C in Thrissur and 39°C in Kollam and Palakkad districts of Kerala.

- 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 heat waves.
- **IMD Criteria for Declaring Heat Wave in India:**
 - Heat Wave is considered when the maximum temperature of a station reaches at least 40°C for Plains and at least 30°C for Hilly regions.
 - The criteria for the coastal station maximum temperature should be greater than or equal to 37°C.
 - 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 a heat wave condition.

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

Read More: [Heat Waves and Heat Dome](#)

