

What is the Heat Index?

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About Heat Index:

- It provides **information about the impact of humidity on the high temperatures** and thus provides a feel like temperature for human beings which can be used as an indication for human discomfort.
- It provides guidance towards additional care to be taken by people to reduce discomfort.
- **Colour codes** used for Experimental Heat Index are as follows:
 - **Green:** Experimental heat Index less than 35 deg C
 - **Yellow:** Experimental heat Index in the range 36-45 deg C
 - **Orange:** Experimental heat Index in the range 46-55 deg C
 - **Red:** Experimental heat Index greater than 55 deg C

- The Heat Index is implemented on experimental basis only across the entire country including the State of Andhra Pradesh.
- At present, heat index is derived using the heat index equation similar to what is used by National Weather Service, National Oceanic and Atmospheric Administration (NOAA), USA.

Key facts about IMD

- It is the main agency responsible for **meteorological observations, weather forecasting and seismology in India.**
- It operates hundreds of observation stations across India and Antarctica.
- Regional offices are in Chennai, Mumbai, Kolkata, Nagpur, Guwahati and New Delhi.
- It has the responsibility for **forecasting, naming and distributing warnings for tropical cyclones** in the Northern Indian Ocean region, including the Malacca Straits, the Bay of Bengal, the Arabian Sea and the Persian Gulf.
- **Nodal Ministry:** Ministry of Earth Sciences.

Q1) What is Humidity?

Humidity refers to the amount of water vapor present in the air. It is a crucial factor in weather and climate, as it can greatly influence how humans perceive temperature and comfort. Humidity levels are measured using devices called hygrometers and are usually expressed as a percentage.

Source: [Shri Kiren Rijju says IMD has launched Heat Index](#)

Source: <https://vajiramandravi.com/current-affairs/what-is-the-heat-index/>

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