



## India's Core Cold Wave Zone

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### Why in News

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Recently, the **Indian Meteorological Department (IMD)** has predicted average **minimum temperatures** to be **“warmer than average”** in winters for most parts of the country.

- India's **'core cold wave' zone** is expected to experience higher minimum temperature during winters.
  - A trigger for this phenomena is the **warm surface waters of the equatorial Pacific ocean**.
  - **Core cold wave' zone** covers Punjab, Himachal Pradesh, Uttarakhand, Delhi, Haryana, Rajasthan, Uttar Pradesh, Gujarat, Madhya Pradesh, Chhattisgarh, Bihar, Jharkhand, West Bengal, Odisha and Telangana.
- The warm winters in the country and overall rising global temperature is a sign of **global warming**.
  - India on an average is 0.5 degree celsius warmer than 50 years ago.
  - Rising temperatures lead to warmer than average ground temperatures and consequently a rise in minimum temperatures.
- The global temperature is expected to rise 3.2 degrees celsius by the end of the century and intensify severe weather events.

### India Meteorological Department (IMD)

- IMD was established in 1875.
- It is an agency of the Ministry of Earth Sciences of the Government of India.
- It is the principal agency responsible for meteorological observations, weather forecasting and seismology.

**Source:TH**