



Special Message (No. 5)

FROM: INDIA METEOROLOGICAL DEPARTMENT

TO: CONTROL ROOM, NDM, MINISTRY OF HOME AFFAIRS
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Subject: Due to interaction of Western Disturbance with easterly winds over central parts of India, light to moderate rainfall/thunderstorm accompanied with hailstorm very likely over Northwest & Central India on 27th & 28th December, 2024.

A **Western disturbance** as a cyclonic circulation lay over north Pakistan & neighbourhood in lower & middle tropospheric levels with a trough aloft in upper tropospheric westerlies along Long. 68°E to the north of Lat. 17°N. An **induced cyclonic circulation** lies over southwest Rajasthan and a **trough** runs from north Pakistan to eastcentral Arabian Sea across this **induced cyclonic circulation** in lower tropospheric levels. In addition, there is an interaction of westerly winds due to Western Disturbance with easterly winds from anti-cyclone over north Chhattisgarh at lower tropospheric levels alongwith high moisture feeding from Arabian Sea as well as Bay of Bengal over northwest & central India mainly during 27th & 28th December. Under the influence of these systems:

- ✓ Fairly widespread to widespread Rainfall/Snowfall accompanied with thunderstorm, lightning is likely over Western Himalayan Region on 27th & 28th December with isolated **Heavy Rainfall/Snowfall** likely over Himachal Pradesh on 27th and Uttarakhand on 27th & 28th December.
- ✓ Fairly widespread to widespread Rainfall accompanied with thunderstorm, lightning is likely over Punjab, Haryana-Chandigarh-Delhi, West Uttar Pradesh and East Rajasthan on 27th & Isolated to Scattered rainfall accompanied with thunderstorm, lightning & gusty winds (wind speed 30-40 kmph) likely over the same region on 28th December with isolated **Heavy rainfall** likely over Haryana-Chandigarh-Delhi, West Uttar Pradesh, East Rajasthan and west Madhya Pradesh on 27th December.
- ✓ Isolated to Scattered rainfall accompanied with thunderstorm, lightning & gusty winds (wind speed 30-50 kmph) likely over East Uttar Pradesh, West Rajasthan, west Madhya Pradesh, Vidarbha, interior Maharashtra and Gujarat Region on 27th & 28th December.
- ✓ **Thunderstorm accompanied with hailstorms also likely over Southeast Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh, Delhi, Uttar Pradesh, East Rajasthan, Vidarbha, Madhya Maharashtra, Marathwada & Gujarat Region on 27th and Madhya Pradesh on 27th & 28th December.**

For weather summary and forecast, kindly refer National Weather Bulletin:

https://mausam.imd.gov.in/responsive/all_india_forecast_bulletin.php

For District wise warnings refer: <https://mausam.imd.gov.in/responsive/districtWiseWarningGIS.php>

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