



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release

Date: 10th February, 2022

Time of Issue: 1230 hrs IST

Subject: A Western Disturbance will affect Western Himalayan Region on 13th & 14th and another will affect northwest India from 17th February, 2022.

Weather Observed during past 24 hours ending at 0830 hrs IST of today:

- **Dense to Very Dense Fog** in isolated pockets over Himachal Pradesh, North Haryana, West Uttar Pradesh, Southwest Bihar and Northeast Madhya Pradesh.
- **Isolated hailstorm** reported over Himachal Pradesh and Uttarakhand.

Weather Systems and associated forecast & warnings:

- **The Western Disturbance as a trough in middle & upper tropospheric westerlies runs along Long. 82°E to the north of Lat. 27°N and a trough runs from Bihar to North Interior Karnataka in lower tropospheric levels; it is very likely to cause:**
 1. Isolated to scattered light/moderate rainfall with thunderstorm & lightning very likely over Sub-Himalayan West Bengal-Sikkim during next 2 days and over Jharkhand, Bihar, Gangetic West Bengal & Odisha on 10th February, 2022.
 2. Scattered to fairly widespread rainfall with thunderstorm & lightning very likely over Arunachal Pradesh and Assam & Meghalaya during next 2 days. Isolated **hailstorm** also likely over Assam & Meghalaya on 11th February, 2022.
 3. Strong winds (speed 25-35 kmph) very likely over Punjab, Haryana and West Uttar Pradesh during next 2 days.
- Isolated to scattered rainfall very likely over Tamilnadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep during next 5 days. Isolated thunderstorm accompanied with lightning also likely over Tamilnadu, Puducherry & Karaikal, Kerala & Mahe during next 3 days.
- **Under the influence of fresh feeble Western Disturbance;** isolated to scattered light rainfall/snowfall very likely over Jammu, Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh and Uttarakhand on 13th & 14th February, 2022.
- **Under the influence of another Western Disturbance;** scattered to fairly widespread light rainfall/snowfall very likely over Western Himalayan Region and light isolated to scattered over plains of northwest India from 17th to 21st February, 2022.

Temperature and Fog Warning:

- Gradual fall in minimum temperatures by 2-4°C very likely over most parts of Northwest India during next 2 days and gradual rise by 2-4°C thereafter.
- Gradual fall in minimum temperatures by 3-5°C very likely over most parts of Central & East India during next 3 days and no significant change thereafter.
- **Cold Day to Severe Cold Day conditions** very likely in isolated pockets of Uttar Pradesh during next 2 days and **Cold Day conditions** very likely in isolated pockets over Uttarakhand during next 2 days.
- **Dense to Very Dense Fog Conditions** very likely in isolated pockets during night/morning hours over Uttar Pradesh during next 5 days and dense fog conditions very likely over Himachal Pradesh, Uttarakhand & northeast Rajasthan during next 24 hours and over Punjab, Haryana-Chandigarh-Delhi during night/morning hours of 13th-15th February, 2022.

For more details refer:

https://mausam.imd.gov.in/imd_latest/contents/subdivisionwise-warning.php



Legends:

Heavy Rain: 64.5 to 115.5 mm; **Very Heavy Rain:** 115.6 to 204.4 mm; **Extremely Heavy Rain:** >204.4 mm.

Region wise classification of meteorological Sub-Divisions:

- 1) **Northwest India:** Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad; Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi; West Uttar Pradesh, East Uttar Pradesh, West Rajasthan and East Rajasthan.
- 2) **Central India:** West Madhya Pradesh, East Madhya Pradesh, Vidarbha and Chhattisgarh.
- 3) **East India:** Bihar, Jharkhand, Sub-Himalayan West Bengal & Sikkim; Gangetic West Bengal, Odisha and Andaman & Nicobar Islands.
- 4) **Northeast India:** Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- 5) **West India:** Gujarat Region, Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra and Marathwada.
- 6) **South India:** Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Coastal Karnataka, North Interior Karnataka, South Interior Karnataka, Kerala & Mahe, Tamil Nadu, Puducherry & Karaikal and Lakshadweep.

SPATIAL DISTRIBUTION (% of Stations reporting)			
% Stations	Category	% Stations	Category
76-100	Widespread (WS/Most Places)	26-50	Scattered (SCT/ A Few Places)
51-75	Fairly Widespread (FWS/ Many Places)	1-25	Isolated (ISOL)



WARNING	
WARNING (TAKE ACTION)	
ALERT (BE PREPARED)	
WATCH (BE UPDATED)	
NO WARNING (NO ACTION)	

Probabilistic Forecast	
Terms	Probability of Occurrence (%)
Unlikely	< 25
Likely	25 - 50
Very Likely	50 - 75
Most Likely	> 75

