



**Government of India
Ministry of Earth Sciences
India Meteorological Department**

**Press Release
Date: 27th December, 2021
Time of Issue: 1200 hrs IST**

Subject:

- I. Wet spell over northwest India on 27th & 28th; over central India during 27th-29th and over east India during 28th - 30th December, 2021.**
- II. Dense fog in isolated pockets over plains of Northwest India.**

I. Wet spell over northwest India on 27th & 28th; over central India during 27th-29th and over east India during 28th - 30th December, 2021.

- The Western Disturbance as a cyclonic circulation now lies over north Haryana & neighbourhood at lower tropospheric levels.
- A fresh Western Disturbance as a trough at middle tropospheric levels runs roughly along Long. 68°E to the north of Lat. 30°N.
- A trough runs from the northeast Rajasthan to Vidarbha across West Madhya Pradesh at lower tropospheric levels.
- Under the influence of above systems:
 - i) Light/moderate isolated to scattered rainfall/snowfall very likely over Jammu & Kashmir, Ladakh, Gilgit-Baltistan, Muzaffarabad and Himachal Pradesh on 27th & 28th; and over Uttrakhand during 27th to 29th December, 2021.
 - ii) Light isolated rainfall very likely over Punjab, Haryana, Chandigarh & Delhi, Rajasthan on 27th & 28th and scattered rainfall over Uttar Pradesh during 27th to 29th December, 2021. Isolated thunderstorm, lightning & **hailstorm** also likely over East & adjoining West Uttar Pradesh and East Rajasthan on 28th December, 2021.
 - iii) Light/moderate isolated to scattered rainfall very likely over Madhya Pradesh, Vidarbha and Chhattisgarh; scattered to fairly widespread rainfall over Bihar, Jharkhand, Odisha and Gangetic West Bengal during 28th to 30th December.
 - iv) Isolated thunderstorm, lightning & **hailstorm** also likely over Sub-Himalayan West Bengal & Sikkim on 27th & 28th; over East Madhya Pradesh, Vidarbha and Chhattisgarh on 28th & 29th; over West Madhya Pradesh, Bihar and Jharkhand on 28th December, 2021.

II) Minimum Temperatures, Cold Wave, Cold Day and Fog:

- i) Minimum temperatures are 2-5°C above normal over many parts of Northwest & adjoining Central India and East India. They are near normal over rest parts of Central India.
- ii) No significant change in minimum temperatures very likely over most parts of Northwest India and Gujarat state during next 2 days and fall by 3-5°C thereafter.
- iii) No significant change in minimum temperatures over most parts of central & East India during next 2 days and fall by 2-4°C thereafter.
- iv) **Cold Wave Conditions** likely to prevail over Punjab, Haryana and Chandigarh on 31st December.
- v) **Cold Day Conditions** likely to prevail over Bihar on 29th & 30th December.
- vi) **Dense fog** in isolated pockets very likely over Punjab, Haryana and north Rajasthan in night/morning hours during next 4 days and over Uttar Pradesh & Saurashtra & Kutch during next 2 days.

For more details refer: https://mausam.imd.gov.in/imd_latest/contents/subdivisionwise-warning.php



Impact expected and action suggested due to Thunderstorm, Lightning & Hail over West Madhya Pradesh, Bihar, Jharkhand on 28th; over East Madhya Pradesh, Vidarbha and Chhattisgarh on 28th & 29th December, 2021.

Impact expected:

- Hail may damage plantation, horticulture and standing crops.
- Hail may injure people and cattle at open places.

Action suggested:

- Stay indoors, close windows & doors and avoid travel if possible.
- Take safe shelters; do not take shelter under trees.
- Do not lie on concrete floors and do not lean against concrete walls.
- Unplug electrical/ electronic appliances.
- Immediately get out of water bodies.
- Keep away from all the objects that conduct electricity.

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

