



Government of India
Ministry of Earth Sciences
India Meteorological Department



Press Release

Date: 12th February, 2024

Time of Issue: 1230 hours IST

Subject: Light to moderate rainfall with thunderstorm activity likely over Central India on 12th & 13th and East India during 13th-15th February, 2024.

Realized weather during past 24 hours till 0830 hours IST of today:

- ❖ **Minimum temperatures:** Minimum temperatures are in the range of 7-12°C over most parts of northern plains. These are below normal by 2-4°C over many parts of northwest India and near normal over rest parts of north India. **Today, the lowest minimum temperature of 3.6°C reported at Amritsar (Punjab).**
- ❖ **Cold wave conditions** observed in isolated pockets over Himachal Pradesh.
- ❖ **Hailstorms** recorded at isolated places over East Madhya Pradesh, Vidarbha, Marathwada, Odisha and Chhattisgarh.
- ❖ **Light to moderate rainfall** occurred at some places over East Madhya Pradesh, Vidarbha, Chhattisgarh and isolated places over Marathwada, Telangana, Jharkhand, Odisha and West Madhya Pradesh.

Weather Systems and Forecast & Warnings during next 5 days: (graphics in Annexure I)

- ❖ Under the influence of a cyclonic circulation over Marathwada and another over south Vidarbha in lower tropospheric levels;
 - ✓ Isolated/scattered light to moderate rainfall accompanied with isolated thunderstorms & lightning activity very likely over East Madhya Pradesh, Chhattisgarh and Jharkhand during 12th-15th, Vidarbha on 12th & 13th; Bihar and West Bengal & Sikkim during 13th-15th February, 2024.
 - ✓ Light to moderate isolated rainfall also likely over Odisha on 12th, 14th & 15th; southwest Uttar Pradesh on 13th & 14th and over southeast Uttar Pradesh during 12th -14th February, 2024.
 - ✓ **Isolated Hailstorms also likely over East Madhya Pradesh & north Chhattisgarh on 12th; East Uttar Pradesh, Bihar & Jharkhand on 13th February, 2024.**
- ❖ A Western Disturbance as a trough in mid-tropospheric runs roughly along long. 60°E to the north of Lat. 30°N and a cyclonic circulation lies over Punjab in lower tropospheric levels. Under its influence; light isolated rainfall/snowfall very likely over Jammu-Kashmir, Himachal Pradesh on 12th; Uttarakhand on 13th and isolated light rainfall Punjab, Haryana, West Rajasthan on 12th February, 2024.
- ❖ A fresh Western Disturbance is likely to cause isolated to scattered rainfall/snowfall over Western Himalayan Region on 17th & 18th February, 2024.

Minimum Temperature Forecast:

- ❖ Gradual Rise in minimum temperatures by 2-4°C very likely over Northwest India during next 5 days. Gradual Rise in minimum temperatures by 2-3°C also very likely over many parts of East India during next 2 days and no significant change thereafter. No significant change in minimum temperatures likely over Central India during next 5 days.

For more details kindly refer: https://mausam.imd.gov.in/responsive/all_india_forcast_bulletin.php

Impact expected and action suggested due to thunderstorm with lightning & Hailstorm:

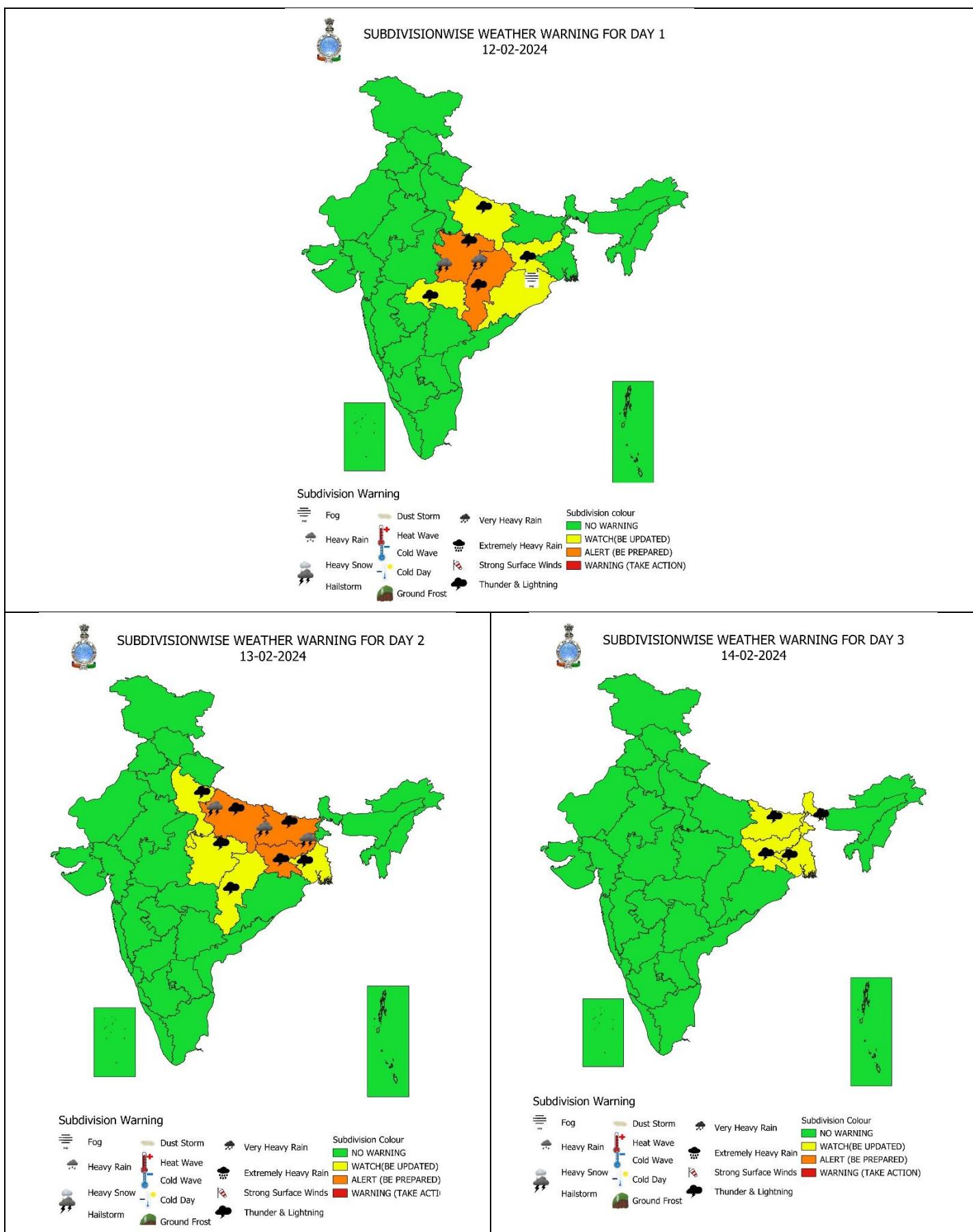
- ❖ 12th February: East Madhya Pradesh, Chhattisgarh
- ❖ 13th February: East Uttar Pradesh, Bihar, Jharkhand

Impact expected:

- ❖ Strong wind/hail may damage plantation, horticulture and standing crops.
- ❖ Hail may injure people and cattle at open places.
- ❖ Partial damage to vulnerable structures due to strong winds.
- ❖ Minor damage to kutcha houses/walls and huts.
- ❖ Loose objects may fly.

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.





SUBDIVISIONWISE WEATHER WARNING FOR DAY 4
15-02-2024

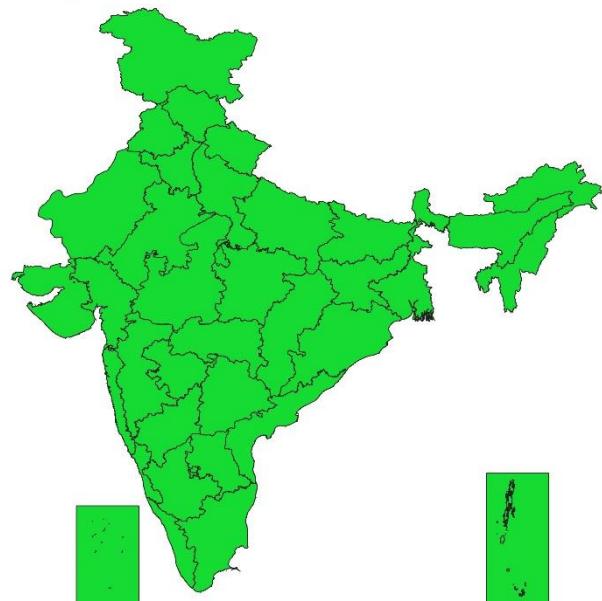


Subdivision Warning

	Fog		Dust Storm		Very Heavy Rain		Subdivision Colour
	Heavy Rain		Heat Wave		Extremely Heavy Rain		WATCH(BE UPDATED)
	Cold Wave		Cold Day		Strong Surface Winds		ALERT (BE PREPARED)
	Heavy Snow		Ground Frost		Thunder & Lightning		WARNING (TAKE ACTION)
	Hailstorm						



SUBDIVISIONWISE WEATHER WARNING FOR DAY 5
16-02-2024



Subdivision Warning

	Fog		Dust Storm		Very Heavy Rain		Subdivision Colour
	Heavy Rain		Heat Wave		Extremely Heavy Rain		WATCH(BE UPDATED)
	Cold Wave		Cold Day		Strong Surface Winds		ALERT (BE PREPARED)
	Heavy Snow		Ground Frost		Thunder & Lightning		WARNING (TAKE ACTION)
	Hailstorm						

Legends:

- ❖ **Heavy Rain:** 64.5 to 115.5 mm; **Very Heavy Rain:** 115.6 to 204.4 mm; **Extremely Heavy Rain:** >204.4mm.
- ❖ **Obsy:** Observatory; **AWS:** Automatic Weather Station; **dist:** District; **NH:** National Highway; **KVK:** Krishi Vigyan Kendra; **DVC:** Damodar Valley Corporation
- ❖ **Region wise classification of meteorological Sub-Divisions:**

- **Northwest India:** Western Himalayan Region (Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh and Uttarakhand); Punjab, Haryana-Chandigarh-Delhi; West Uttar Pradesh, East Uttar Pradesh, West Rajasthan and East Rajasthan.
- **Central India:** West Madhya Pradesh, East Madhya Pradesh, Vidarbha and Chhattisgarh.
- **East India:** Bihar, Jharkhand, Sub-Himalayan West Bengal & Sikkim; Gangetic West Bengal, Odisha and Andaman & Nicobar Islands.
- **Northeast India:** Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- **West India:** Gujarat Region, Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra and Marathwada.
- **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 Widespred (FWS/ Many Places)	1-25	Isolated (ISOL)

Subdivision Warning	Dust Storm	Subdivision color
Heavy Rain	Strong Surface Winds	NO WARNING
Heavy Snow	Heat Wave	WATCH(BE UPDATED)
Thunderstorms & Lightning	Cold wave	ALERT (BE PREPARED)
Hailstorm	Fog	WARNING (TAKE ACTION)

Probabilistic Forecast		Flash Flood Risk	
Terms	Probability of Occurrence (%)		
Unlikely	< 25	High Risk (Take Action)	
Likely	25 - 50	Moderate Risk (Be Prepared)	
Very Likely	50 - 75	Low Risk (Be Updated)	
Most Likely	> 75		