



Government of India  
Ministry of Earth Sciences  
India Meteorological Department



**Press Release**

**Date: 10<sup>th</sup> February, 2024**

**Time of Issue: 1200 hours IST**

**Subject: Light rainfall activity likely over Central India during 10<sup>th</sup>-12<sup>th</sup> and East India during 12<sup>th</sup>-14<sup>th</sup> February, 2024.**

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

- ❖ **Minimum temperatures:** Minimum temperatures are in the range of 5-10°C over most parts of northern plains. These are below normal by 2-4°C over many parts of the region. **Today, the lowest minimum temperature of 3.6°C reported at Hissar (Haryana).**
- ❖ **Cold wave conditions** observed in some parts over southeast Rajasthan, south Bihar, north Jharkhand and north Gangetic West Bengal.

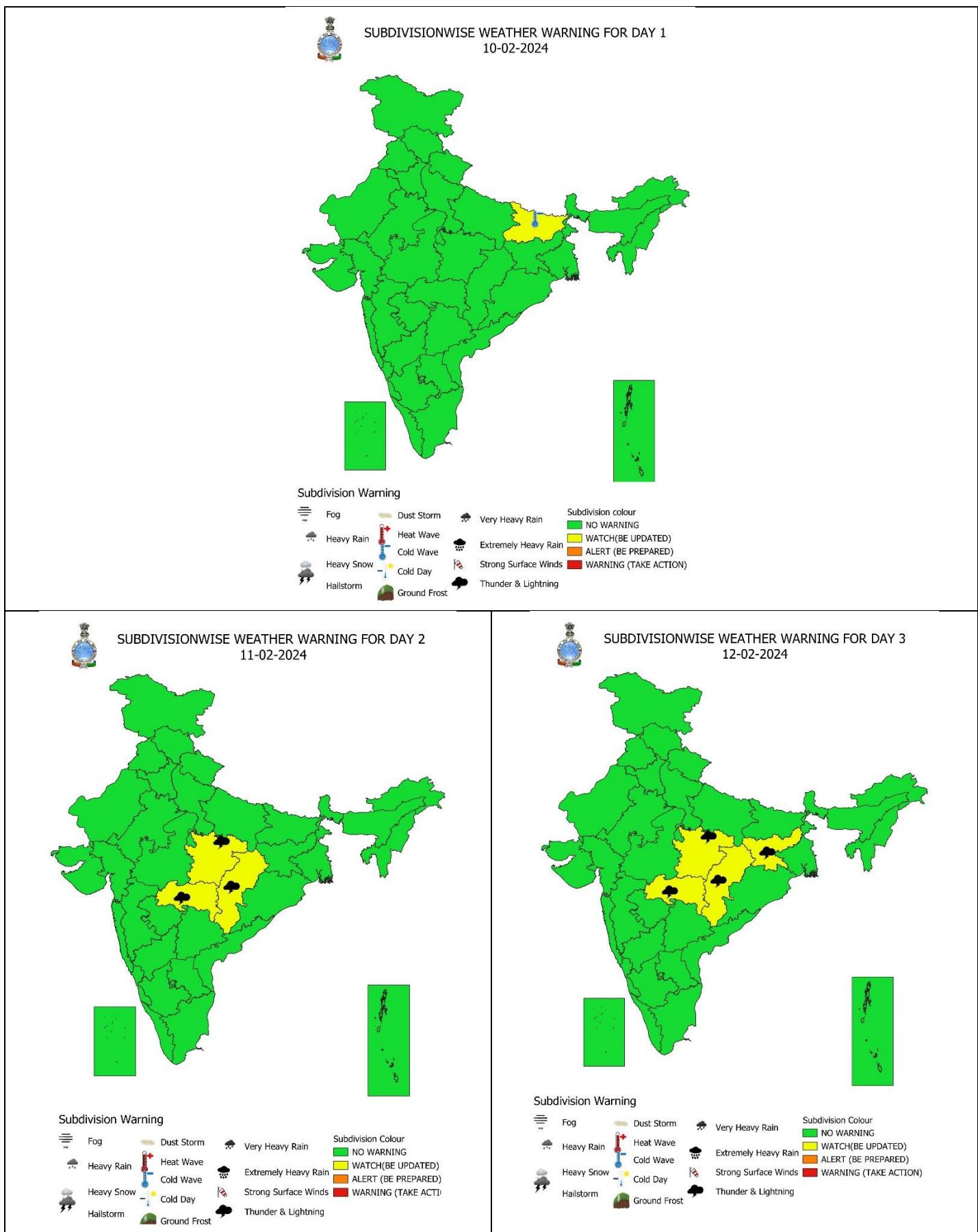
**Weather Systems and Forecast & Warnings during next 5 days: (graphics in Annexure I)**

- ❖ Under the influence of lower level trough in easterlies along the west coast and its likely east-northeastward movement; isolated to scattered light rainfall activity likely over East Madhya Pradesh, Vidarbha, Chhattisgarh, Odisha during 10<sup>th</sup>-13<sup>th</sup>; over south Uttar Pradesh, south Bihar, Jharkhand, Gangetic West Bengal during 12<sup>th</sup>-14<sup>th</sup> February, 2024.
- ❖ Isolated light intensity **thunderstorm accompanied with lightning** very likely over East Madhya Pradesh, Vidarbha and Chhattisgarh during 11<sup>th</sup>-12<sup>th</sup> and Bihar, Jharkhand, Gangetic West Bengal during 13<sup>th</sup>-14<sup>th</sup> February, 2024.
- ❖ Light isolated rainfall likely over Telangana on 10<sup>th</sup> & 11<sup>th</sup> February, 2024.

**Minimum Temperature Forecast and Cold Wave warning: (graphics in Annexure I)**

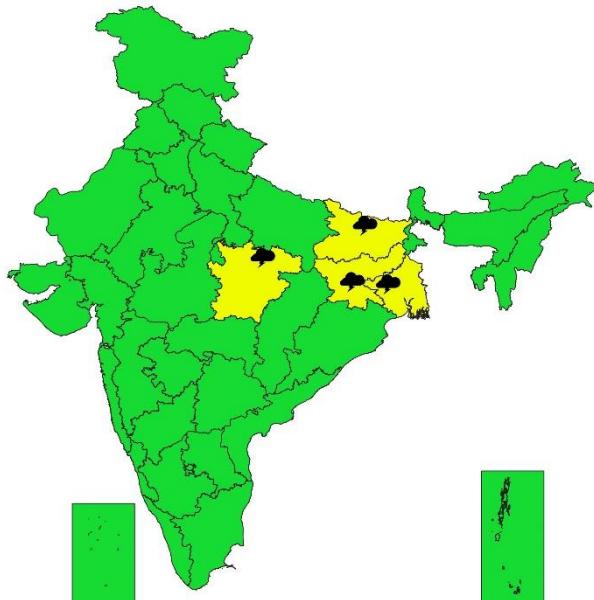
- ❖ Rise in minimum temperatures by 3-5°C very likely over some to many parts of Northwest, Central, East & West India during next 5 days.
- ❖ **Cold wave** conditions very likely in isolated pockets over south Bihar on 10<sup>th</sup> February, 2024.

For more details kindly refer: [https://mausam.imd.gov.in/responsive/all\\_india\\_forcast\\_bulletin.php](https://mausam.imd.gov.in/responsive/all_india_forcast_bulletin.php)





SUBDIVISIONWISE WEATHER WARNING FOR DAY 4  
13-02-2024

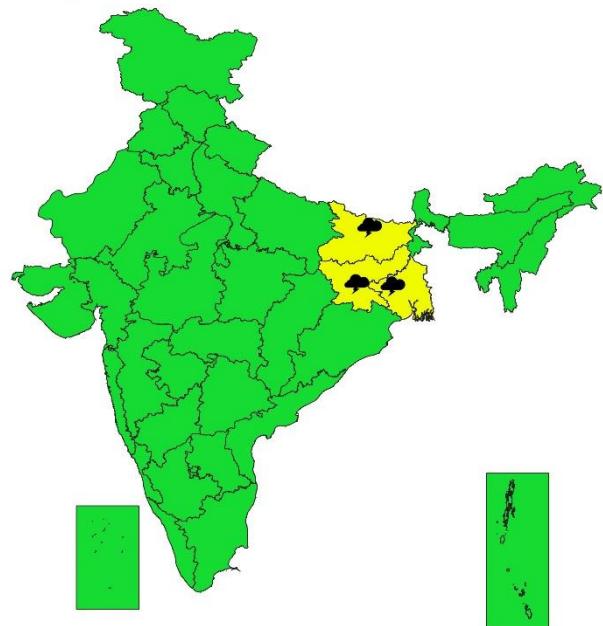


Subdivision Warning

	Fog		Dust Storm		Very Heavy Rain		Subdivision Colour
	Heavy Rain		Heat Wave		Extremely Heavy Rain		NO WARNING
	Cold Wave		Cold Day		Strong Surface Winds		WATCH(BE UPDATED)
	Heavy Snow		Ground Frost		Thunder & Lightning		ALERT (BE PREPARED)
	Hailstorm						WARNING (TAKE ACTION)



SUBDIVISIONWISE WEATHER WARNING FOR DAY 5  
14-02-2024



Subdivision Warning

	Fog		Dust Storm		Very Heavy Rain		Subdivision Colour
	Heavy Rain		Heat Wave		Extremely Heavy Rain		NO WARNING
	Cold Wave		Cold Day		Strong Surface Winds		WATCH(BE UPDATED)
	Heavy Snow		Ground Frost		Thunder & Lightning		ALERT (BE PREPARED)
	Hailstorm						WARNING (TAKE ACTION)

## 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)

Northwest India: Western Himalayan Region (Jammu-Kashmir, Ladakh); Gilgit-Baltistan, Pakistan; Jammu and Kashmir, 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	
Terms	Probability of Occurrence (%)
Unlikely	< 25
Likely	25 - 50
Very Likely	50 - 75
Most Likely	> 75

Flash Flood Risk	
	<b>High Risk (Take Action)</b>
	<b>Moderate Risk (Be Prepared)</b>
	<b>Low Risk (Be Updated)</b>

## **Definition of Cold wave, Cold Day and Fog Conditions:**

