



Government of India
Ministry of Earth Sciences
India Meteorological Department



Press Release

Date: 07th February, 2024

Time of Issue: 1230 hours IST

Subject: No significant weather over the country during next 5 days.

Realized weather during past 24 hours till 0830 hours IST of today: (Details given in Annexure I)

- ❖ **Minimum temperatures:** Minimum temperatures are in the range of 4-8°C over most parts of Punjab, Haryana-Chandigarh, plains of Uttarakhand, north Rajasthan which are normal to below normal. These are in the range of 8-12°C over many parts of Delhi, rest of Rajasthan, Uttar Pradesh and north Madhya Pradesh which are normal over the region. **Today, the lowest minimum temperature of 4.2°C reported at Karnal (Haryana).**
- ❖ **Cold wave conditions** observed in isolated pockets of Himachal Pradesh and Punjab.
- ❖ **Ground frost conditions** observed in isolated pockets of Uttarakhand.
- ❖ **Fog conditions observed** (at 0530 & 0830 hours IST of today): **Dense to very dense fog** in isolated pockets of northeast Madhya Pradesh and **dense fog** in isolated pockets of Odisha.
- ❖ Light to moderate rainfall/snowfall occurred **at most places** over Arunachal Pradesh, Uttarakhand; at isolated places over Jammu-Kashmir, Himachal Pradesh and Uttarakhand. Light to moderate rainfall occurred **at isolated places** over West Rajasthan, Jharkhand, Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.

Weather Systems and Forecast & Warnings during next 5 days:

- ❖ A Western Disturbance as a trough in middle tropospheric westerlies along Long. 70°E to the north of Lat. 30°N. A Trough in westerlies runs roughly along Long. 90°E to the north of Lat. 25°N in lower tropospheric levels.
 - Light to moderate scattered to fairly widespread rainfall/snowfall very likely over Arunachal Pradesh and isolated rainfall over Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya and Nagaland, Mizoram, Manipur & Tripura on 07th & 08th February, 2024.
 - Light isolated rainfall/snowfall very likely over Jammu-Kashmir, Himachal Pradesh, Uttarakhand and isolated light rainfall over West Rajasthan today.
- ❖ Under the influence of a trough over Peninsular India; isolated to scattered light rainfall activity is likely over north Peninsular India & central India during 09th-12th February, 2024.
- ❖ Strong surface winds of the order 15-25 kmph likely over plains of Northwest India during next 2 days.

Dense fog warning: (graphics in Annexure II)

- ❖ **Dense fog** conditions very likely to prevail in morning hours in isolated pockets of north Madhya Pradesh on 08th; over Assam & Meghalaya and Mizoram & Tripura on 08th & 09th and over Sub-Himalayan West Bengal & Sikkim on 09th & 10th February, 2024.

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

- ❖ Fall in minimum temperatures by 2-3°C very likely over many parts of East and Central India during next 2-3 days and no significant change thereafter.
- ❖ **Cold wave** conditions very likely in isolated pockets over Himachal Pradesh and Punjab on 07th February, 2024.
- ❖ **Ground frost conditions** very likely in isolated pockets of Himachal Pradesh on 07th and Uttarakhand on 07th & 08th February.

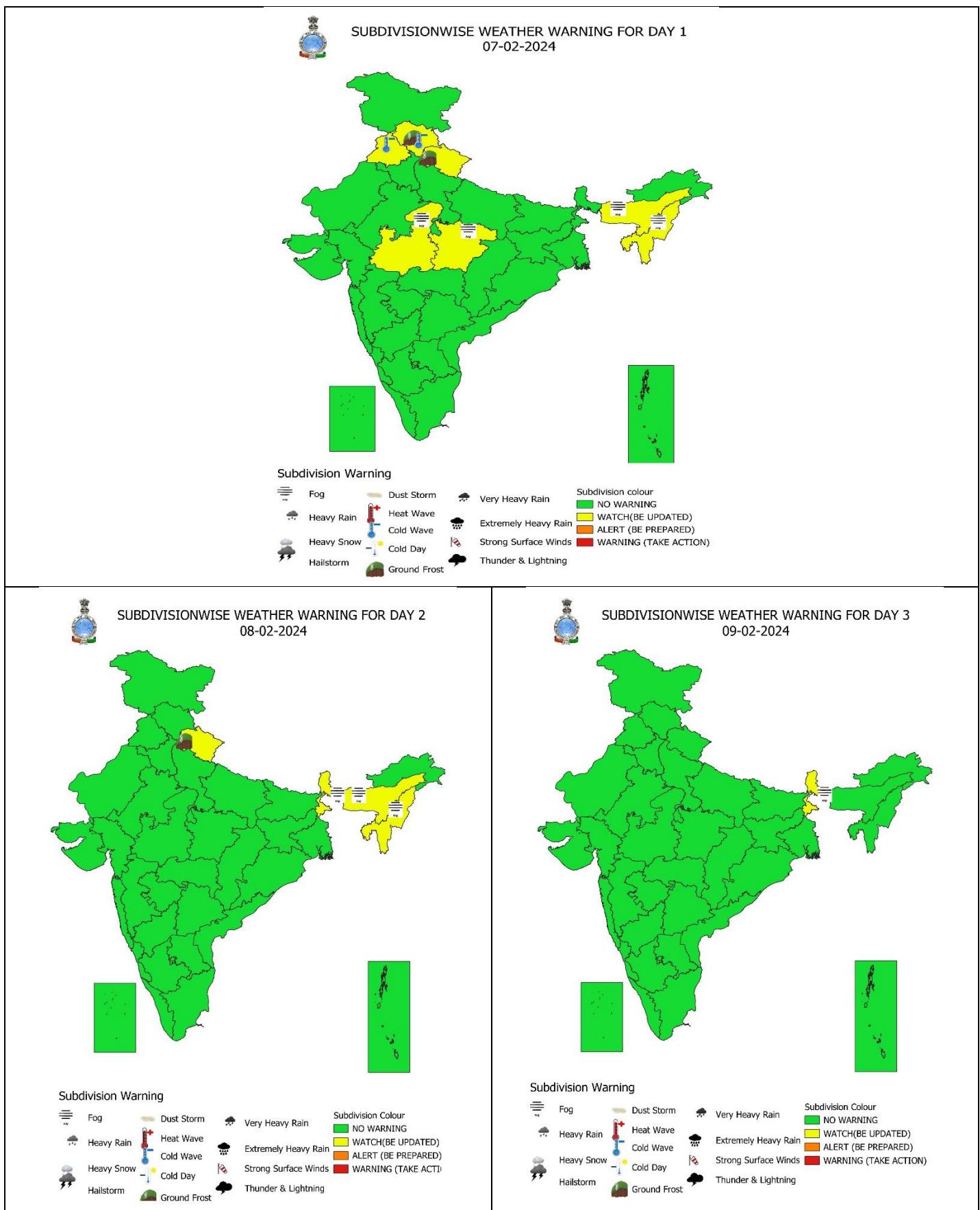
For more details kindly refer: <https://mausam.imd.gov.in/responsive/all india forecast bulletin.php>

Annexure I

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

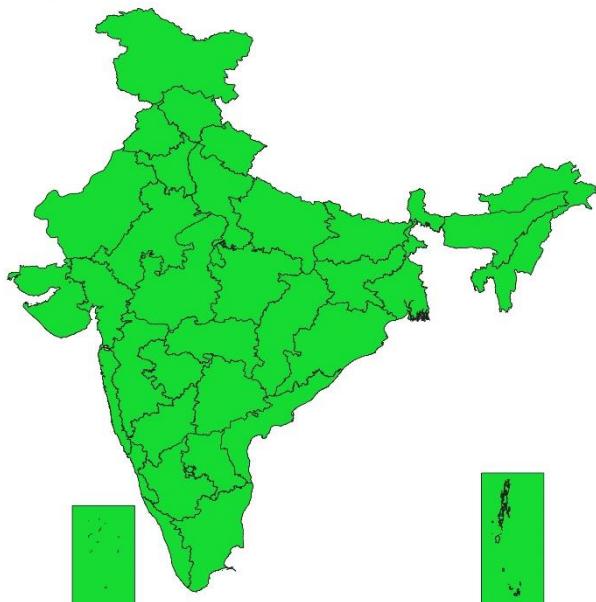
- ❖ **Visibility recorded (at 0530 hours IST of today) (≤ 200 metres):** Odisha: Gopalpur -50; Coastal Andhra Pradesh: Vijayawada -50; East Madhya Pradesh: Jabalpur -200; Bihar: Gaya-200; South Interior Karnataka: Bangalore -200; Gangetic West Bengal: Digha-500.
- ❖ **Visibility recorded (at 0830 hours IST of today) (≤ 200 metres):** Madhya Pradesh: Jabalpur-300; Himachal Pradesh: Bhuntar-500; Bihar: Forbesganj-500; Assam: Dhubri-500.
- ❖ **Rainfall recorded (in cm):** Arunachal Pradesh: Namsai Kvk Aws (dist Lohit) 2, Kamba Aws (dist West Siang) 2, Assam & Meghalaya: Dhemaji (dist Dhemaji) 1, Sonari_arg (dist Sibsagar) 1; Nagaland, Manipur: Jharnapani (dist Dimapur) 1, Tamenglong (dist Tamenglong) 1, Kiphire (dist Kiphire) 1; Jammu: Pahalgam Aws (dist Anantnag) 1.

Annexure II





SUBDIVISIONWISE WEATHER WARNING FOR DAY 4
10-02-2024

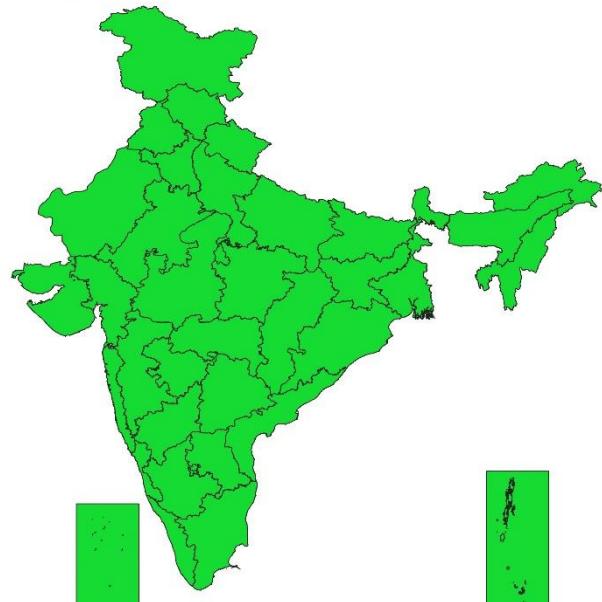


Subdivision Warning

	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
11-02-2024



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)			Scattered (SCT/ A Few Places)	
51-75	Fairly Widespred (FWS/ Many Places)			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	
Most Likely	> 75	Low Risk (Be Updated)

Definition of Cold wave, Cold Day and Fog Conditions:

 Cold Wave When minimum temperature of a station $\leq 10^{\circ}\text{C}$ for plains and $\leq 0^{\circ}\text{C}$ for hilly regions. (a) Based on departure Cold Wave: Minimum Temperature Departure from normal -4.5°C to -6.4°C . Severe Cold Wave: Minimum Temperature Departure from normal $\leq -6.5^{\circ}\text{C}$	Flash Flood Risk High Risk (Take Action) Moderate Risk (Be Prepared) Low Risk (Be Updated)	
 Cold Day When minimum temperature of a station $\leq 10^{\circ}\text{C}$ for plains and $\leq 0^{\circ}\text{C}$ for hilly regions Based on departure Cold Day: Maximum Temperature Departure from normal -4.5°C to -6.4°C . Severe Cold Day: Maximum Temperature Departure from normal $\leq -6.5^{\circ}\text{C}$		
 Fog Phenomenon of small droplets suspended in air and the horizontal visibility $< 1\text{km}$ Moderate Fog: When the visibility between 500-200 metres Dense Fog: when the visibility between 50-200 metres Very Dense Fog: when the visibility < 50 metres		