



Government of India
Ministry of Earth Sciences
India Meteorological Department



Press Release

Date: 06th 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 06-10°C over most parts of Punjab, Haryana-Chandigarh-Delhi, plains of Uttarakhand, north Rajasthan and northwest Uttar Pradesh which are normal to below normal. These are in the range of 11-16°C over many parts of rest of Rajasthan, East Uttar Pradesh, Bihar and Madhya Pradesh which are above normal by 4-6°C. **Today, the lowest minimum temperature of 4.2°C reported at Karnal (Haryana).**
- ❖ **Fog conditions observed** (at 0530 & 0830 hours IST of today): **Dense to very dense fog** in isolated pockets of East Uttar Pradesh, north Rajasthan & northwest Madhya Pradesh; **dense fog** in some parts of Uttarakhand; in isolated pockets of West Uttar Pradesh, East Madhya Pradesh and Bihar.
- ❖ Light to moderate rainfall/snowfall occurred **at many places** over Arunachal Pradesh, Uttarakhand; **at a few places** over Himachal Pradesh; at isolated places over Jammu-Kashmir. Light to moderate rainfall occurred **at a few places** over Sub-Himalayan West Bengal & Sikkim, Bihar and **at isolated places** over Uttar Pradesh, East Rajasthan, Jharkhand, Gangetic West Bengal, Assam and Nagaland, Manipur, Mizoram & Tripura
- ❖ **Hailstorm** observed at isolated places over Himachal Pradesh.

Weather Systems and Forecast & Warnings during next 5 days:

- ❖ A cyclonic circulation lies over Sub-Himalayan West Bengal & neighbourhood in lower tropospheric levels.
- ❖ Light to moderate scattered to fairly widespread rainfall/snowfall very likely over Arunachal Pradesh and isolated to scattered rainfall over Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya and Nagaland, Mizoram, Manipur & Tripura on 06th & 07th and over Gangetic West Bengal, Jharkhand on 06th February, 2024.
- ❖ Isolated thunderstorm very likely over Arunachal Pradesh, Assam & Meghalaya and Nagaland on 06th February, 2024.
- ❖ Under the influence of a trough over Peninsular India; isolated to scattered light rainfall activity is likely over north Peninsular India during 09th-11th February, 2024.
- ❖ Strong surface winds of the order 15-25 kmph likely over plains of Northwest India during next 3 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, Bihar, Sub-Himalayan West Bengal & Sikkim and Odisha on 07th and over Assam & Meghalaya and Mizoram & Tripura on 08th & 09th 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 Northwest, East and Central India during next 3 days and no significant change thereafter.
- ❖ **Cold wave** conditions very likely in isolated pockets over Himachal Pradesh, Punjab and Haryana-Chandigarh-Delhi on 06th & 07th February, 2024.

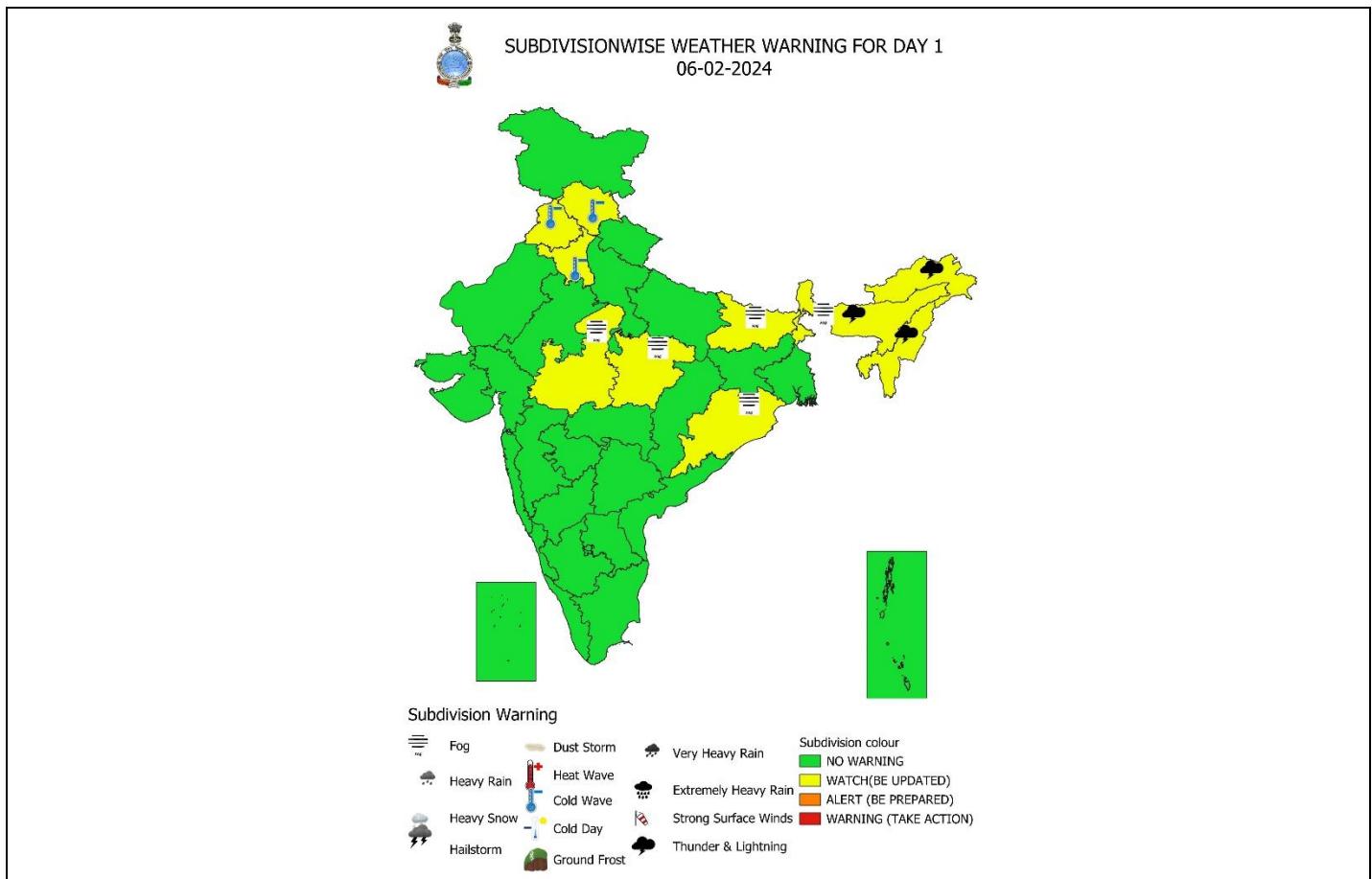
For more details kindly refer: https://mausam.imd.gov.in/responsive/all_india_forcast_bulletin.php

Annexure I

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

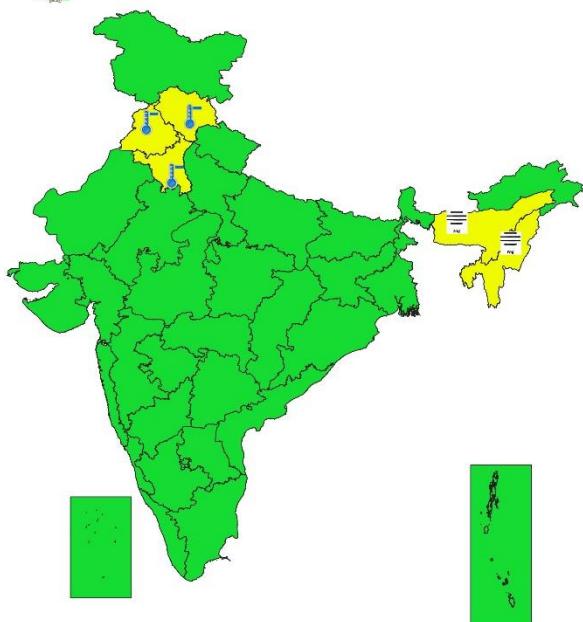
- ❖ **Visibility recorded (at 0530 hours IST of today) (≤ 200 metres):** East Uttar Pradesh: Bahraich-25, Lucknow-50, Gorakhpur-200, Jhansi-500; Bihar: Patna, Gaya-50 each, Purnea-200; West Rajasthan: Churu-50; Andhra Pradesh: Vijaywada-50; Delhi: Palam-200, Safdarjung-500; West Madhya Pradesh: Gwalior, Bhopal-200 each; Punjab: Amritsar-500.
- ❖ **Visibility recorded (at 0830 hours IST of today) (≤ 200 metres):** East Uttar Pradesh: Bahraich-50; West Rajasthan: Churu-50; West Madhya Pradesh: Bhopal-50; Uttarakhand: Dehradun, Nainital & Pantnagar-200 each; Punjab: Bhatinda-200; Delhi: Palam-200; East Madhya Pradesh: Jabalpur-200; Bihar: Patna-200; Odisha: Keonjhar-200.
- ❖ **Rainfall recorded (in cm):** Arunachal Pradesh: Kabubasti-5, Yingkiong, Pakke-3 each, Boleng, Wakro, Yazali-2 each; Assam: Margherita-3, Dillighat-2; Uttarakhand: Narendranagar- 3; Himachal Pradesh: Mandi-1; Jammu- Kashmir: Ananatnag-1; Sikkim: North Sikkim-2.

Annexure II





SUBDIVISIONWISE WEATHER WARNING FOR DAY 2
07-02-2024

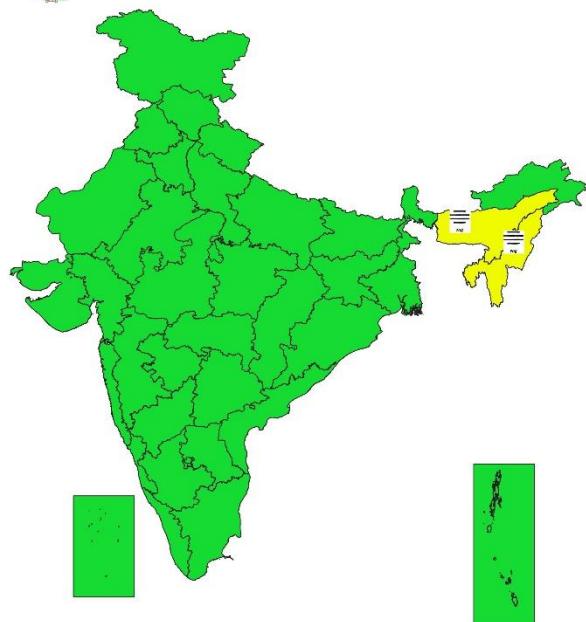


Subdivision Warning

	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)
	Hailstorm		Ground Frost		Thunder & Lightning		WARNING (TAKE ACTION)



SUBDIVISIONWISE WEATHER WARNING FOR DAY 3
08-02-2024

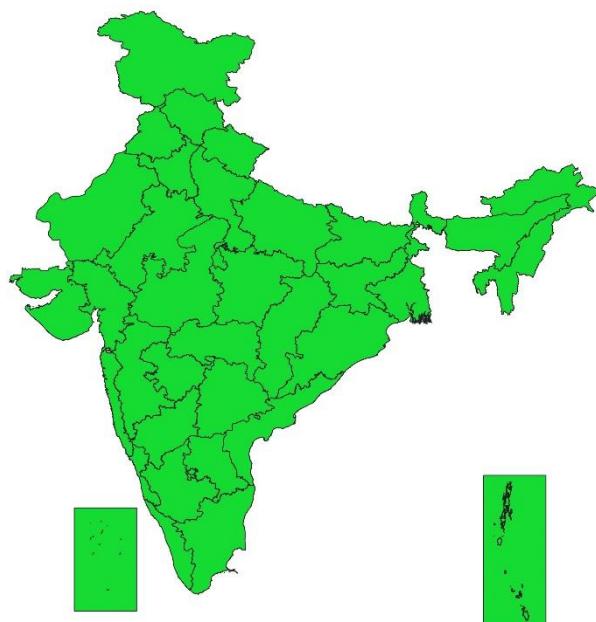


Subdivision Warning

	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)
	Hailstorm		Ground Frost		Thunder & Lightning		WARNING (TAKE ACTION)



SUBDIVISIONWISE WEATHER WARNING FOR DAY 4
09-02-2024

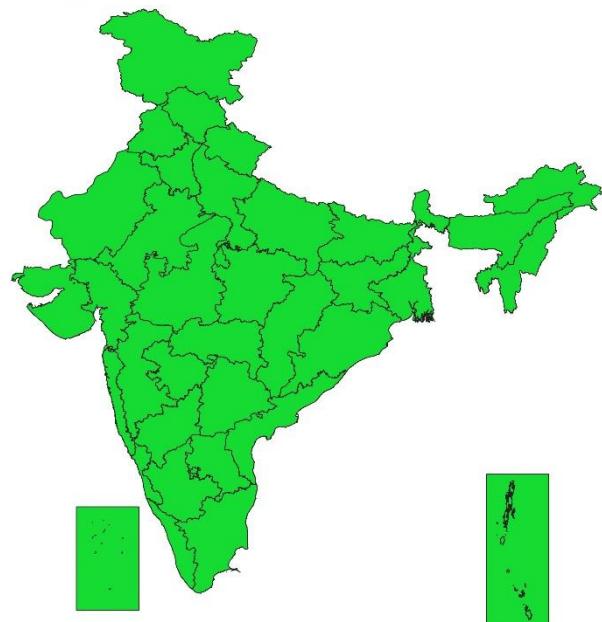


Subdivision Warning

	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)
	Hailstorm		Ground Frost		Thunder & Lightning		WARNING (TAKE ACTION)



SUBDIVISIONWISE WEATHER WARNING FOR DAY 5
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)
	Hailstorm		Ground Frost		Thunder & Lightning		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-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	
Terms	Probability of Occurrence (%)
Unlikely	< 25
Likely	25 - 50
Very Likely	50 - 75
Most Likely	> 75

Flash Flood Risk	
	High Risk (Take Action)
	Moderate Risk (Be Prepared)
	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 $\leq -6.5^{\circ}\text{C}$
 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