



Government of India  
Ministry of Earth Sciences  
India Meteorological Department



Press Release

Date: 06<sup>th</sup> 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 06<sup>th</sup> & 07<sup>th</sup> and over Gangetic West Bengal, Jharkhand on 06<sup>th</sup> February, 2024.
- ❖ Isolated thunderstorm very likely over Arunachal Pradesh, Assam & Meghalaya and Nagaland on 06<sup>th</sup> February, 2024.
- ❖ Under the influence of a trough over Peninsular India; isolated to scattered light rainfall activity is likely over north Peninsular India during 09<sup>th</sup>-11<sup>th</sup> 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 07<sup>th</sup> and over Assam & Meghalaya and Mizoram & Tripura on 08<sup>th</sup> & 09<sup>th</sup> February, 2024.

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

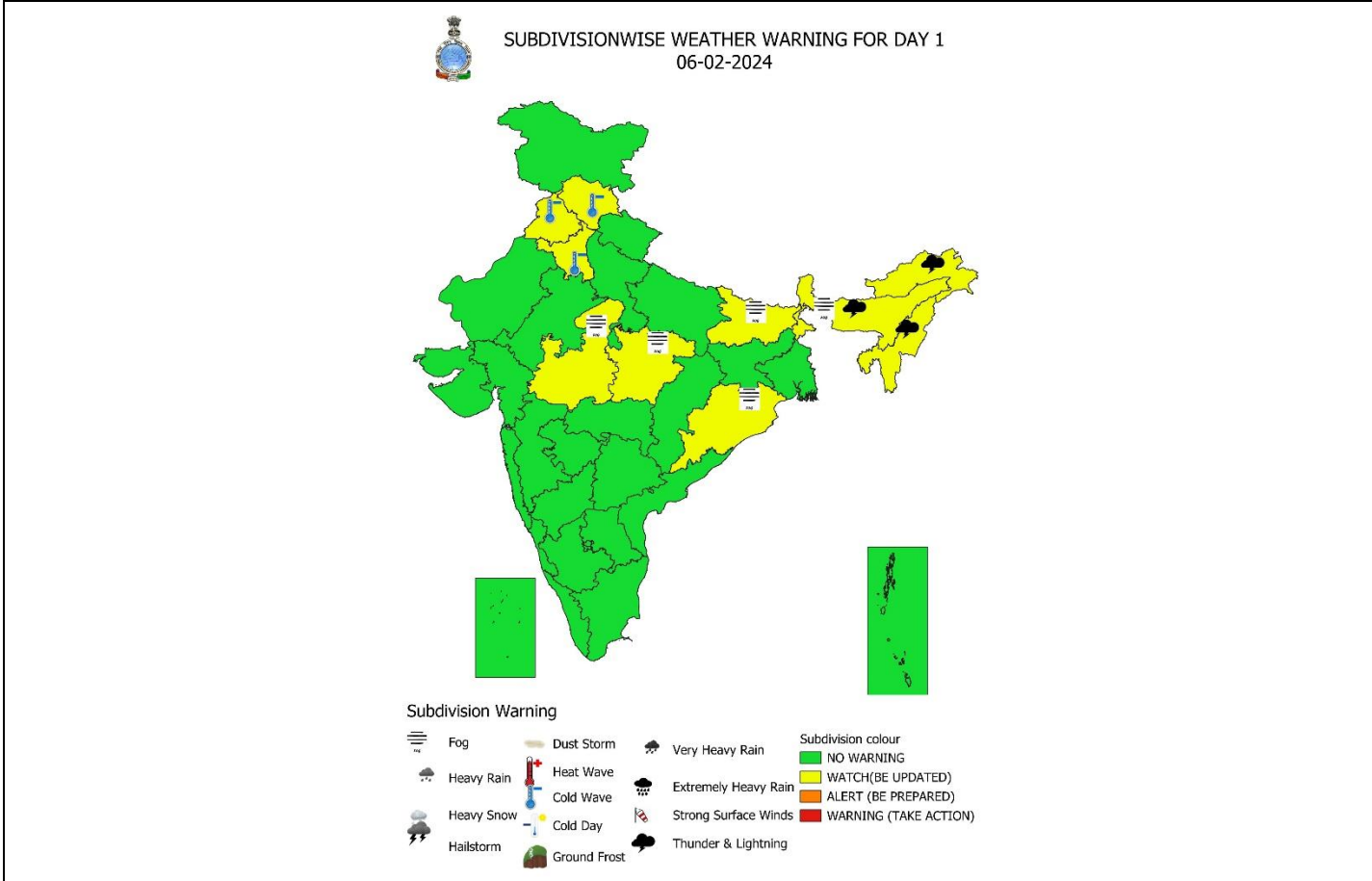
- ❖ Fall in minimum temperatures by 2-3°C very likely over many parts of Northwest, East and Central India during next 3 days and no significant change thereafter.
- ❖ **Cold wave** conditions very likely in isolated pockets over Himachal Pradesh, Punjab and Haryana-Chandigarh-Delhi on 06<sup>th</sup> & 07<sup>th</sup> February, 2024.

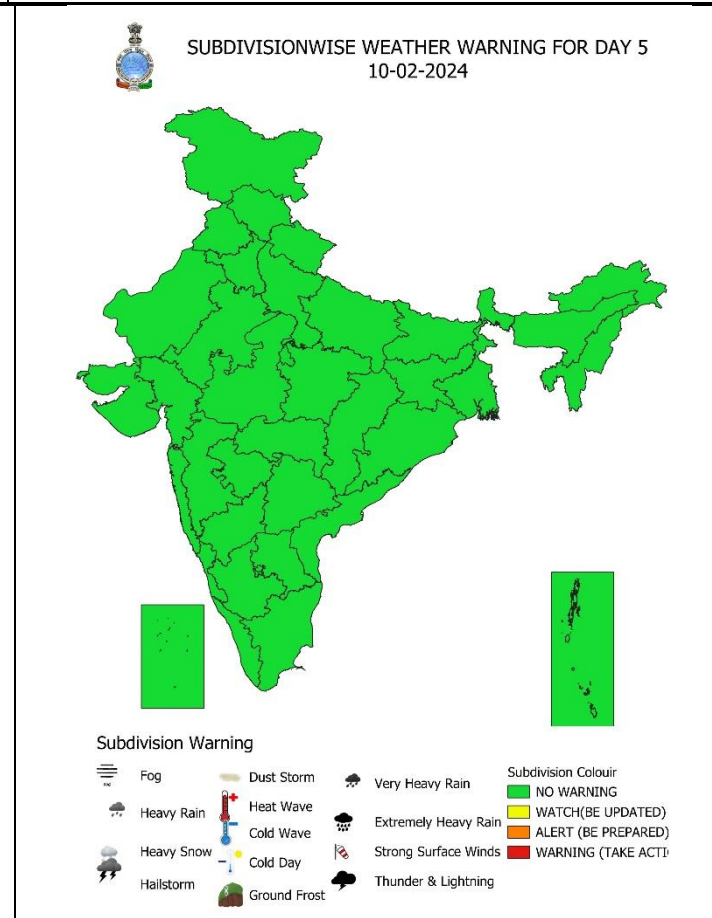
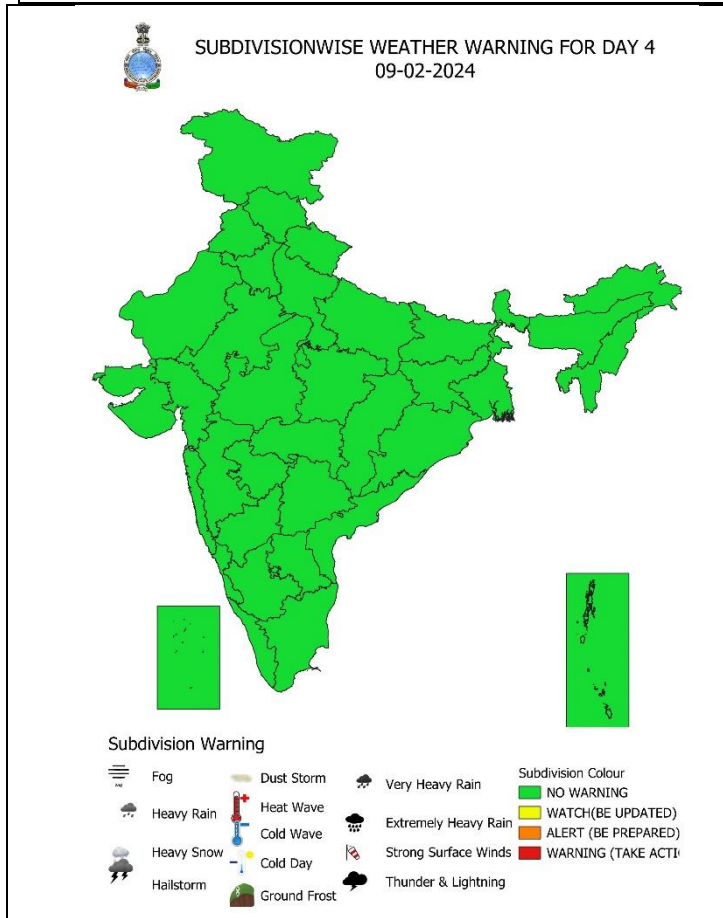
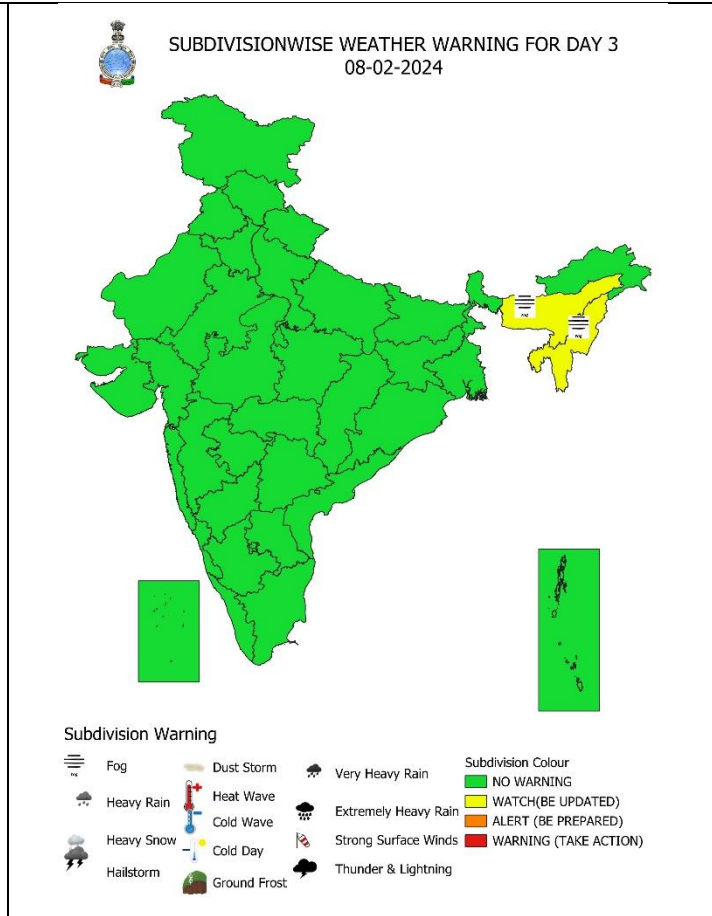
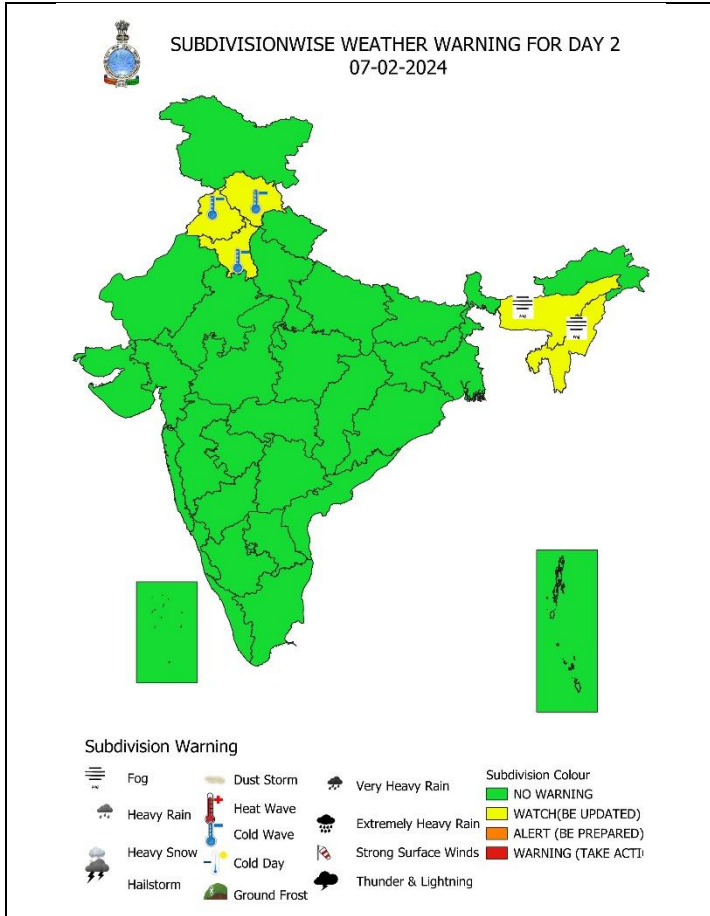
For more details kindly refer: [https://mausam.imd.gov.in/responsive/all\\_india\\_forecast\\_bulletin.php](https://mausam.imd.gov.in/responsive/all_india_forecast_bulletin.php)

## **Annexure I**

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

- ❖ **Visibility recorded (at 0530 hours IST of today) ( $\leq 200$  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) ( $\leq 200$  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.























## 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.

<b>SPATIAL DISTRIBUTION</b> (% 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)

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)

<b>Probabilistic Forecast</b>		<b>Flash Flood Risk</b>	
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		

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

 <b>Cold Wave</b>	<p>When minimum temperature of a station <math>\leq 10^{\circ}\text{C}</math> for plains and <math>\leq 0^{\circ}\text{C}</math> for hilly regions.</p> <p>(a) Based on departure</p> <p>Cold Wave: Minimum Temperature Departure from normal <math>-4.5^{\circ}\text{C}</math> to <math>-6.4^{\circ}\text{C}</math>.</p> <p>Severe Cold Wave: Minimum Temperature Departure from normal <math>\leq -6.5^{\circ}\text{C}</math></p> <p>(b) Based on actual Minimum Temperature (for Plains only)</p> <p>Cold Wave: When Minimum Temperature is <math>\leq 4.0^{\circ}\text{C}</math></p> <p>Severe Cold Wave: When Minimum Temperature is <math>\leq 2.0^{\circ}\text{C}</math></p> <p>(c) For Coastal Stations</p> <p>When Minimum Temperature departure is <math>\leq -4.5^{\circ}\text{C}</math> &amp; actual Minimum Temperature is <math>\leq 15^{\circ}\text{C}</math></p>
 <b>Cold Day</b>	<p>When minimum temperature of a station <math>\leq 10^{\circ}\text{C}</math> for plains and <math>\leq 0^{\circ}\text{C}</math> for hilly regions</p> <p>Based on departure</p> <p>Cold Day: Maximum Temperature Departure from normal <math>-4.5^{\circ}\text{C}</math> to <math>-6.4^{\circ}\text{C}</math>.</p> <p>Severe Cold Day: Maximum Temperature Departure from normal <math>\leq -6.5^{\circ}\text{C}</math></p>
 <b>Fog</b>	<p>Phenomenon of small droplets suspended in air and the horizontal visibility <math>&lt; 1\text{km}</math></p> <p>Moderate Fog: When the visibility between 500-200 metres</p> <p>Dense Fog: when the visibility between 50-200 metres</p> <p>Very Dense Fog: when the visibility <math>&lt; 50</math> metres</p>