

Government of India
Ministry of Earth Sciences
India Meteorological Department



Press Release
Date: 25th February, 2024
Time of Issue: 1245 hours IST

**Subject: (i) A fresh spell of rainfall activity accompanied with thunderstorm, hailstorm & lightning likely over Central India on 26th & 27th February, 2024.
(ii) An active Western Disturbance likely affect Western Himalayan Region from 29th February and adjoining plains from 1st March to 4th March, 2024.**

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

- ❖ **Hailstorm** recorded at isolated places over Chhattisgarh.
- ❖ **Light to moderate rainfall/snowfall** at a few places over Arunachal Pradesh, at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh and Uttarakhand.
- ❖ **Heavy rainfall** occurred at isolated places over Odisha.
- ❖ **Light to moderate rainfall** at a few places over Nagaland, Manipur, Mizoram & Tripura; at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Uttar Pradesh, West Madhya Pradesh, Vidarbha, Chhattisgarh, Sub-Himalayan West Bengal & Sikkim, Gangetic West Bengal, Bihar, Jharkhand, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Telangana. **(refer Annexure I)**

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

- ❖ A fresh Western disturbance is likely to affect western Himalayan region from 26th February, 2024. It is very likely to cause isolated to scattered light rainfall/snowfall very likely over Western Himalayan Region during 25th to 27th February with enhancement of activity over the region and accompanied with **thunderstorms & lightning** at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh on 26th February, 2024.
- ❖ **An active Western Disturbance likely affect Western Himalayan Region from 29th February and adjoining plains from 1st March to 4th March with peak intensity on 2nd & 3rd March, 2024. High moisture feeding from Arabian Sea to northwest India is also likely mainly during 1st to 3rd March, which is likely to cause heavy rainfall/snowfall over Western Himalayan Region during the same period.**
- ❖ A trough in middle tropospheric westerlies roughly along Long. 93°E to the north of Lat. 25°N. Under its influence:
 - Isolated to scattered light/moderate rainfall/snowfall very likely over Arunachal Pradesh during next 6-7 days with isolated thunderstorm accompanied with lightning on 25th February, 2024.
 - Isolated light/moderate rainfall over the Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura on 25th, 28th & 29th February, 2024.
- ❖ A trough runs from Chhattisgarh to north Tamil Nadu across Vidarbha & Interior Karnataka in lower tropospheric levels. Under its influence:
 - Isolated to scattered light/moderate rainfall accompanied with **thunderstorms & lightning** very likely over Chhattisgarh and Vidarbha on 25th; over Marathwada, Telangana on 25th

& 26th; over Gangetic West Bengal on 25th & 27th; over Bihar on 27th accompanied by **gusty winds** (speed reaching 30-40 kmph) over Jharkhand on 27th and also **accompanied by hailstorms** over East Madhya Pradesh during 26th – 28th; over West Madhya Pradesh on 27th; over Vidarbha on 26th & 27th; over Chhattisgarh on 26th February 2024.

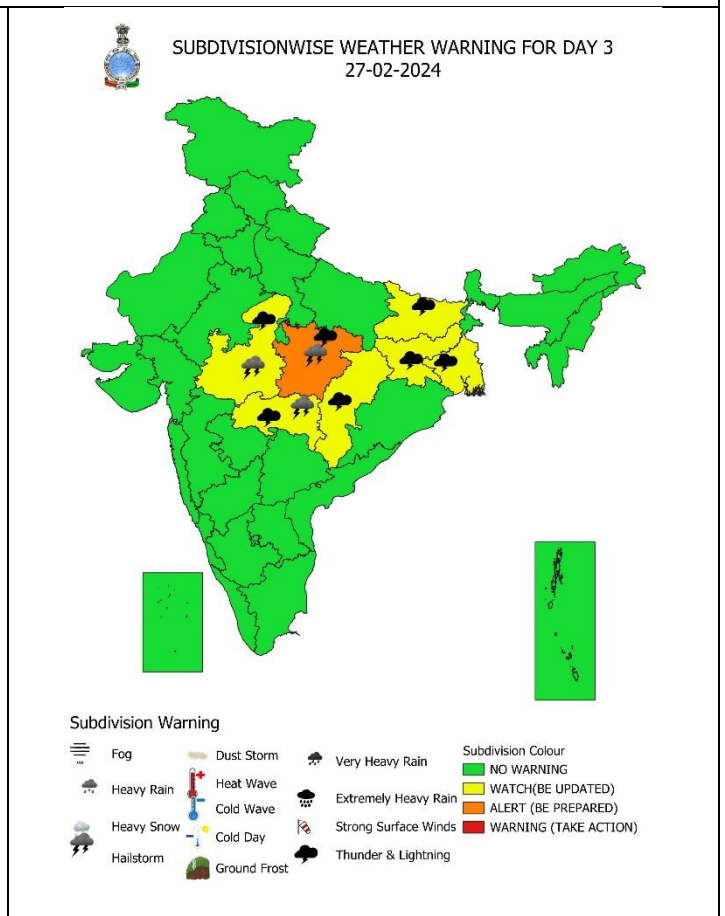
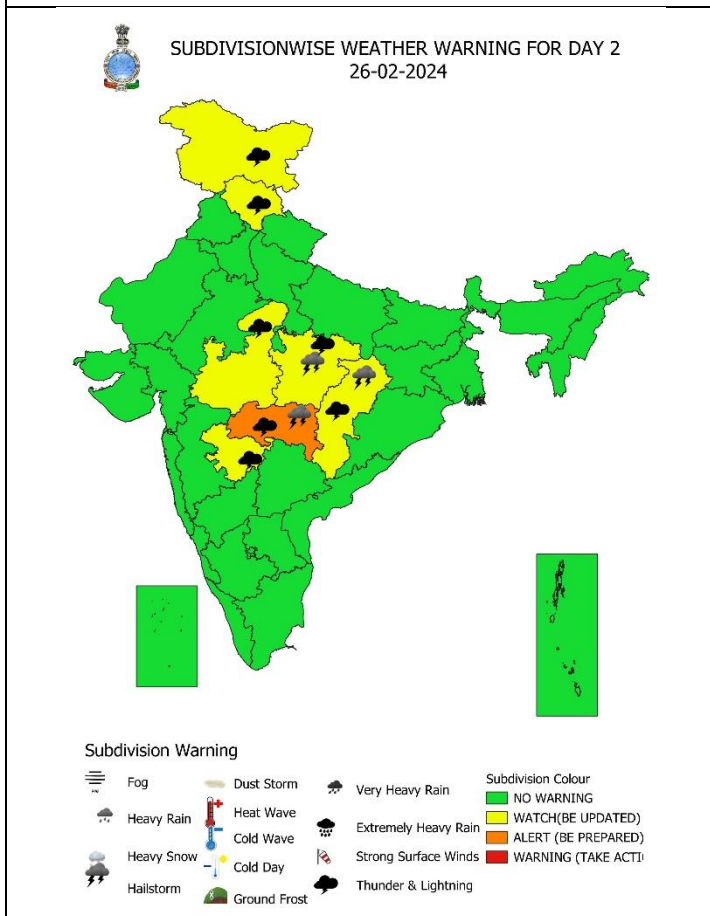
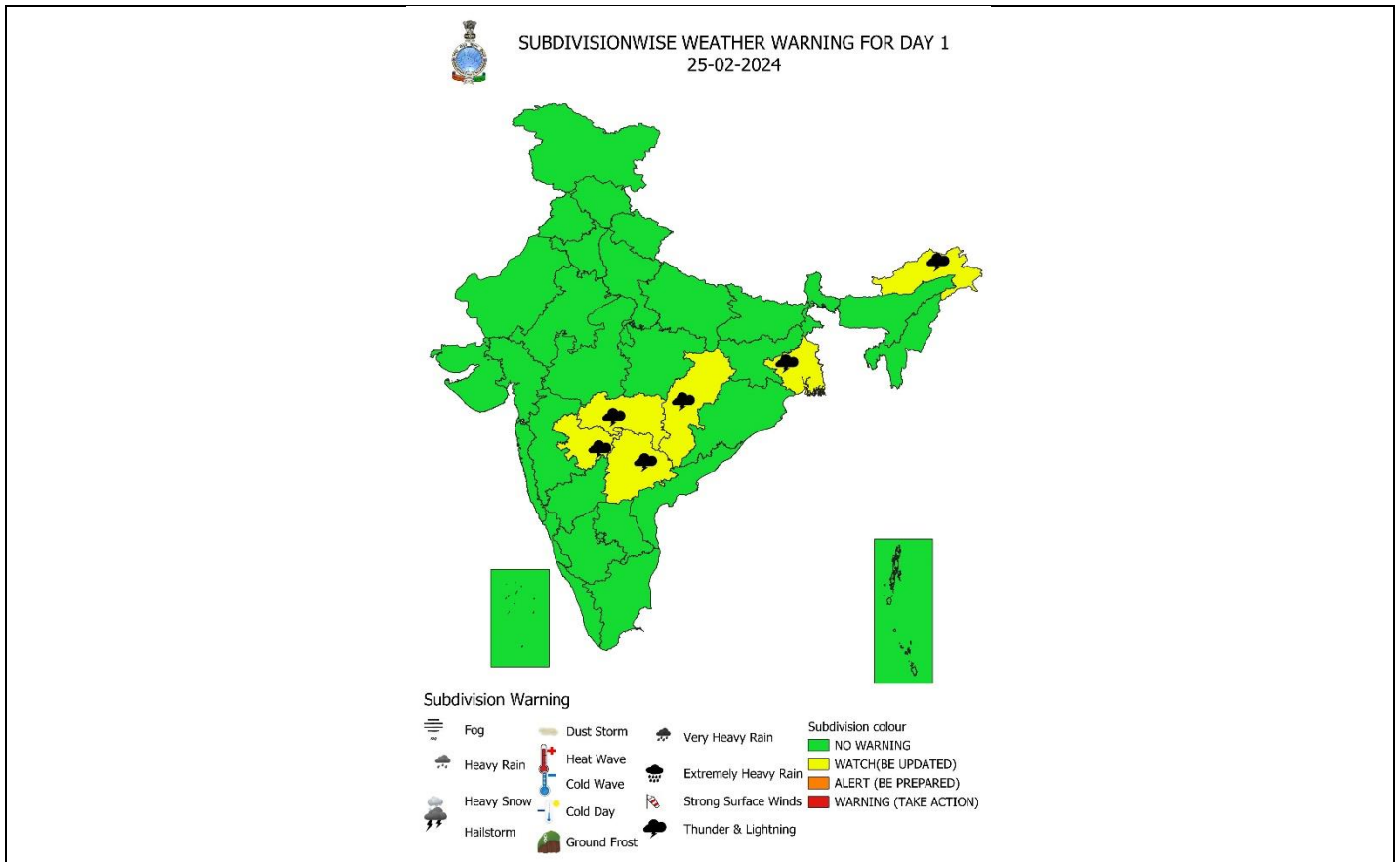
❖ **Hot and humid weather very likely to prevail over Kerala, Tamil Nadu on 25th & 26th and over Rayalaseema during 25th – 27th February, 2024.**

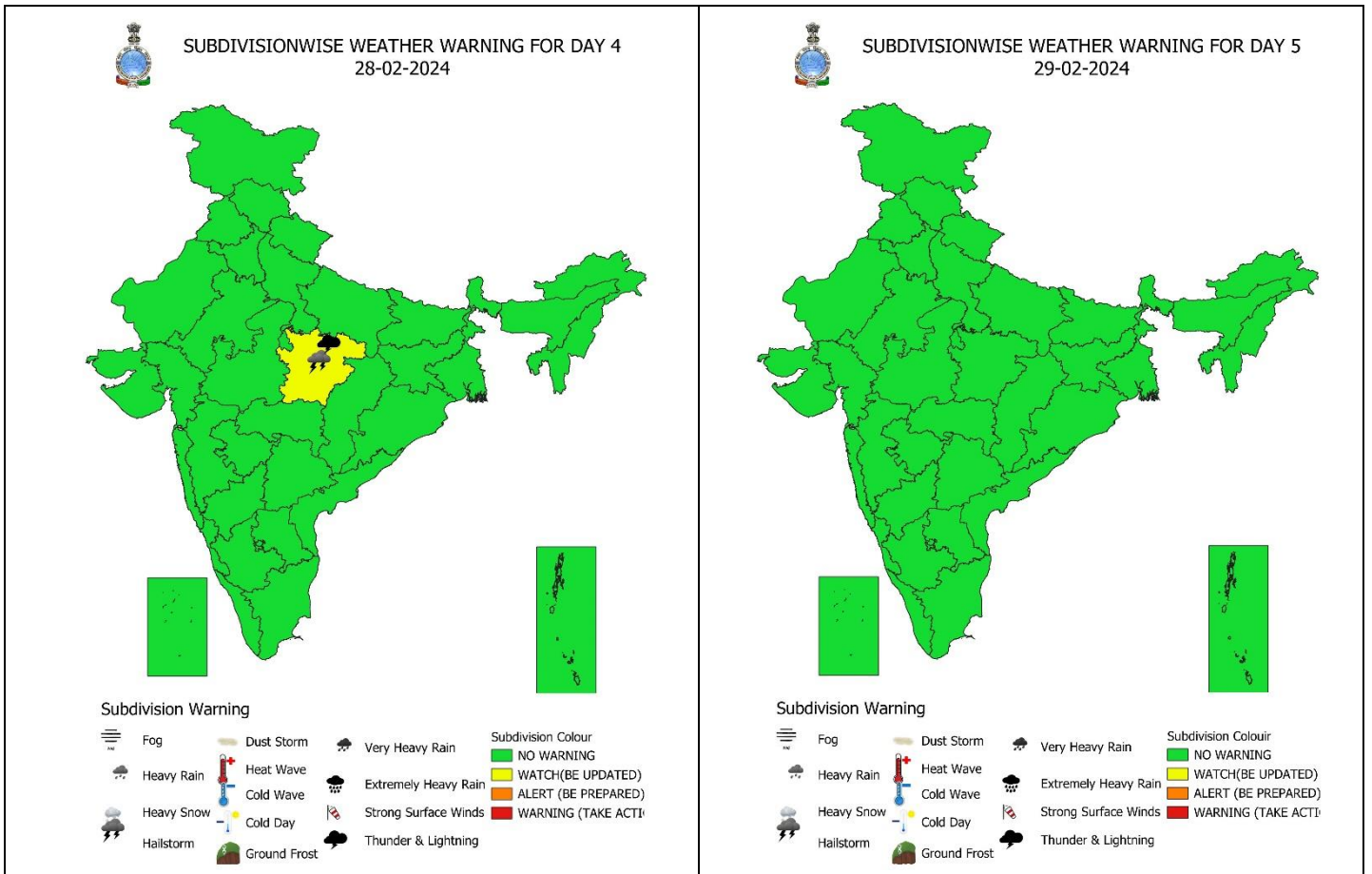
For more details, kindly refer: https://mausam.imd.gov.in/responsive/all_india_forecast_bulletin.php

ANNEXURE I

Significant rainfall (from 0830 hours IST of yesterday to 0830 hours IST of today) (in cm):

Odisha: Belanguntha (dist Ganjam) 10, Banpur (dist Khurda) 10, Chilika (dist Khurda) 5, Buguda (dist Ganjam) 5, Bhanjnagar (dist Ganjam) 4, Daringibadi (dist KANDHAMAL) 2, Dhankauda (dist Sambalpur) 2, Titlagarh (dist Bolangir) 1, Gopalpur, Jagannath Prasad & Rangeilunda (dist Ganjam) 1 each, Kotagarh (dist Kandhamal) 1, Hirakud (dist Sambalpur) 1; **Bihar:** Chakai (dist Jamui) 1; **Jharkhand:** Jarmindi (dist Dumka) 1, Pathargama (dist Godda) 1, Maheshpur (dist Pakur) 1; **Assam & Meghalaya:** Mawkyrwat_arg (dist South West Khasi Hills) 1, Mawkyrwat (dist South West Khasi Hills) 1, Umrangso (dist N. C. Hills) 1, Bhaghmara (dist South Garo Hills) 1, Tinsukia (dist Tinsukia) 1; **Arunachal Pradesh:** Tuting (dist Upper Siang) 1.





Impact expected and action suggested due to thunderstorm with lightning/gusty winds & Hailstorm over East Madhya Pradesh and Vidarbha on 26th & 27th and over Chhattisgarh on 26th and over West Madhya Pradesh on 27th February, 2024.

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.

Legends & abbreviations:

- ❖ **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; **PTO:** Part Time Office.
- ❖ **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 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)

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)