Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release
Date: 26th February, 2024
Time of Issue: 1245 hours IST

Subject: (i) An active Western Disturbance likely to affect Western Himalayan Region from 29th February and adjoining plains from 01st March to 03rd March, 2024. (ii) A fresh spell of rainfall activity accompanied with thunderstorm, hailstorm & lightning likely over Central India on 26th & 27th February, 2024.

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

- **Light to moderate rainfall/snowfall** at many places over Arunachal Pradesh, at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad.
- **Heavy to very heavy rainfall** occurred at isolated places over Odisha. (Ganjam: SankheimundI-12 cm, Polsara-7 cm)
- **Light to moderate rainfall** at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Bihar, Jharkhand, West Bengal & Sikkim, Chhattisgarh, West Madhya Pradesh, Telangana and Tamil Nadu.

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

- A trough runs from Eastcentral Arabian Sea to Southwest Madhya Pradesh across Northeast Arabian Sea & south Gujarat in lower tropospheric levels. Under its influence:
  - Isolated to scattered light/moderate rainfall accompanied with **thunderstorms, lightning and gusty winds** (speed reaching 30-40 kmph) very likely over Marathwada, Telangana on 26th; over south Madhya Pradesh, south Chhattisgarh, Odisha & Vidarbha on 26th & 27th; over Jharkhand and Gangetic West Bengal on 27th February 2024.
  - **Hailstorm activity also likely at isolated places** over south Madhya Pradesh on 26th & 27th; over Vidarbha on 26th and over south Chhattisgarh on 27th February 2024.
- A **Western Disturbance** as a trough in middle tropospheric westerlies runs roughly along Long. 55°E to the north of Lat. 30°N. It is very likely to cause isolated to scattered light rainfall/snowfall over Western Himalayan Region and adjoining plains on 26th & 27th February, 2024.
- **An active Western Disturbance likely to affect Western Himalayan Region from 29th February and adjoining plains from 1st March to 4th March with peak intensity on 01st & 02nd March, 2024. High moisture feeding from Arabian Sea to northwest India is also likely mainly during 1st to 2nd March. Under its influence:**

- **Fairly widespread to widespread** light/moderate rainfall accompanied with **thunderstorms & lightning** very likely over **Western Himalayan Region during 1st – 3rd March, 2024.**
- Scattered to fairly widespread light/moderate rainfall accompanied with **thunderstorms & lightning** very likely over Punjab, Haryana-Chandigarh-Delhi on 1st & 2nd March and isolated to scattered light/moderate rainfall over Uttar Pradesh, Rajasthan on 1st & 2nd March, 2024.
- ***Isolated heavy rainfall/snowfall also very likely over Western Himalayan Region on 1st & 2nd March, 2024.***
- **Hailstorm activity also likely at isolated places over Uttarakhand on 1st March, 2024.**

❖ A Cyclonic circulation lies over east Assam and neighbourhood in lower tropospheric levels. Under its influence:

- Isolated to scattered light/moderate rainfall/snowfall very likely over Arunachal Pradesh during next 6-7 days.
- Isolated light/moderate rainfall over the Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura on 28th February, 2024.

❖ **Hot and humid weather very likely to prevail over Rayalaseema, Kerala during next 5 days.**

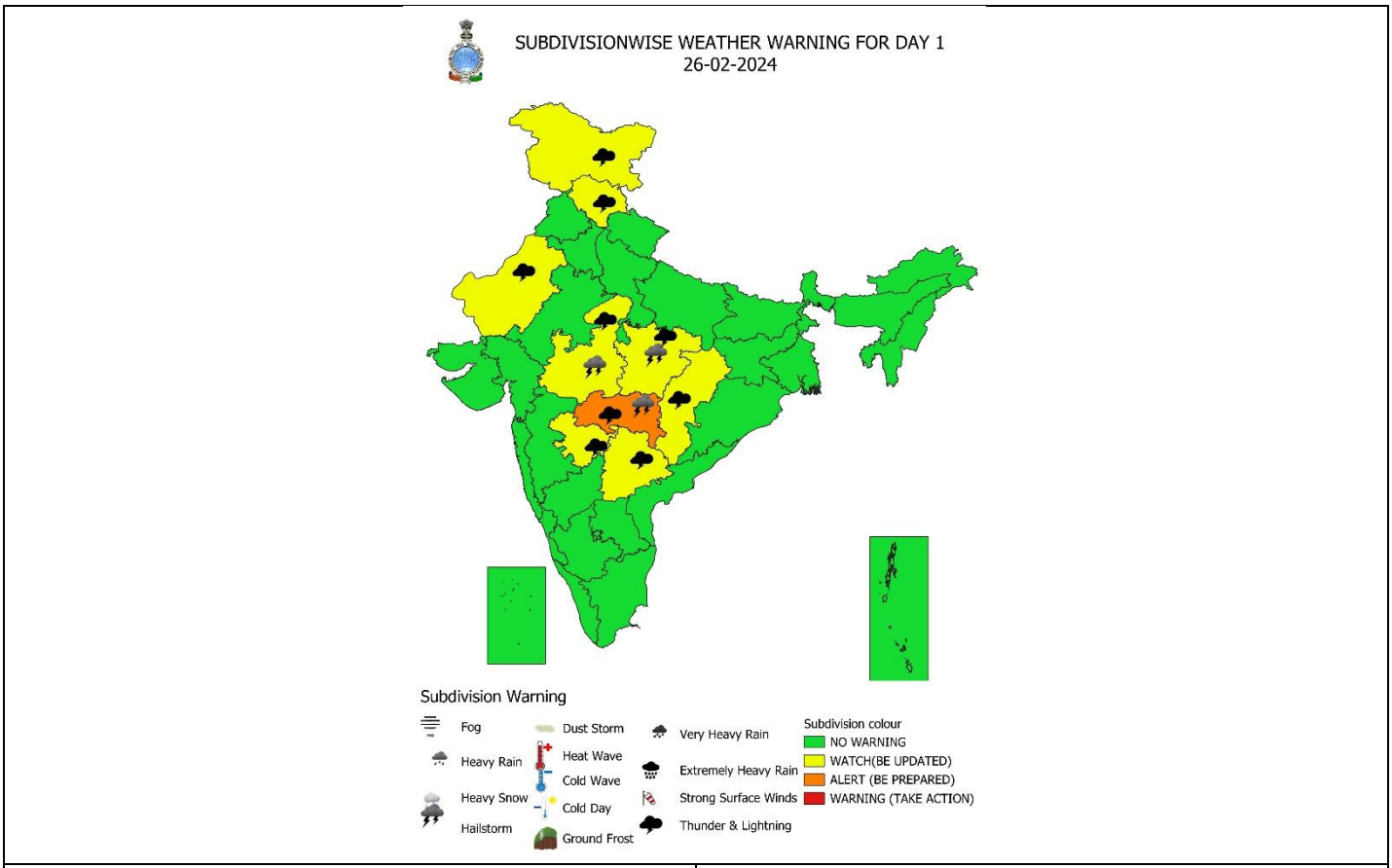
Minimum Temperature Forecast:

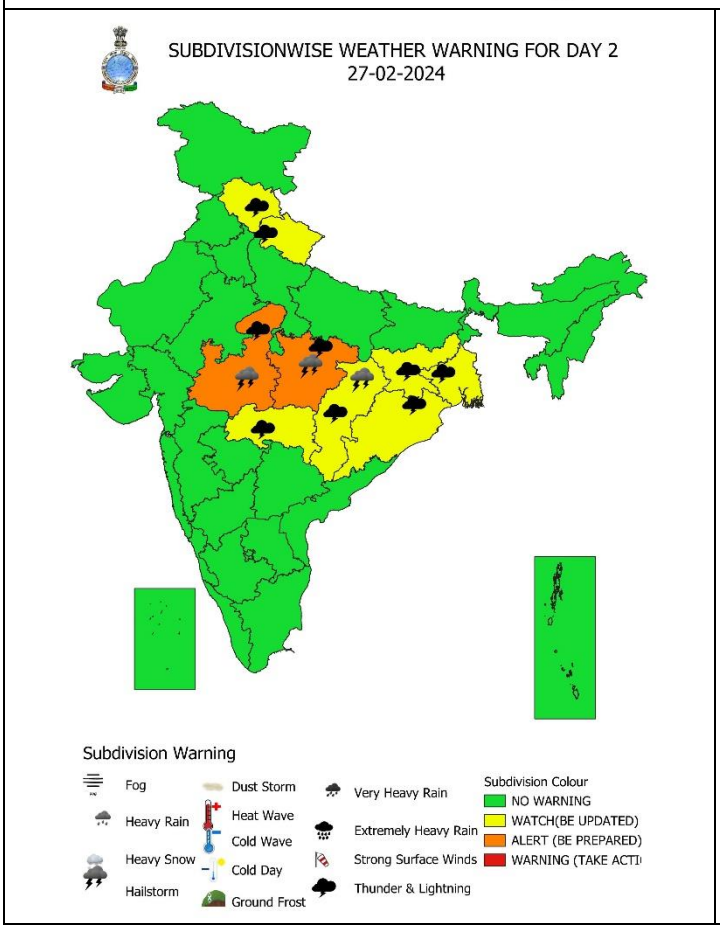
❖ Gradual Rise in minimum temperatures by 2-4°C very likely over Northwest India during next 3 days and no significant change thereafter.

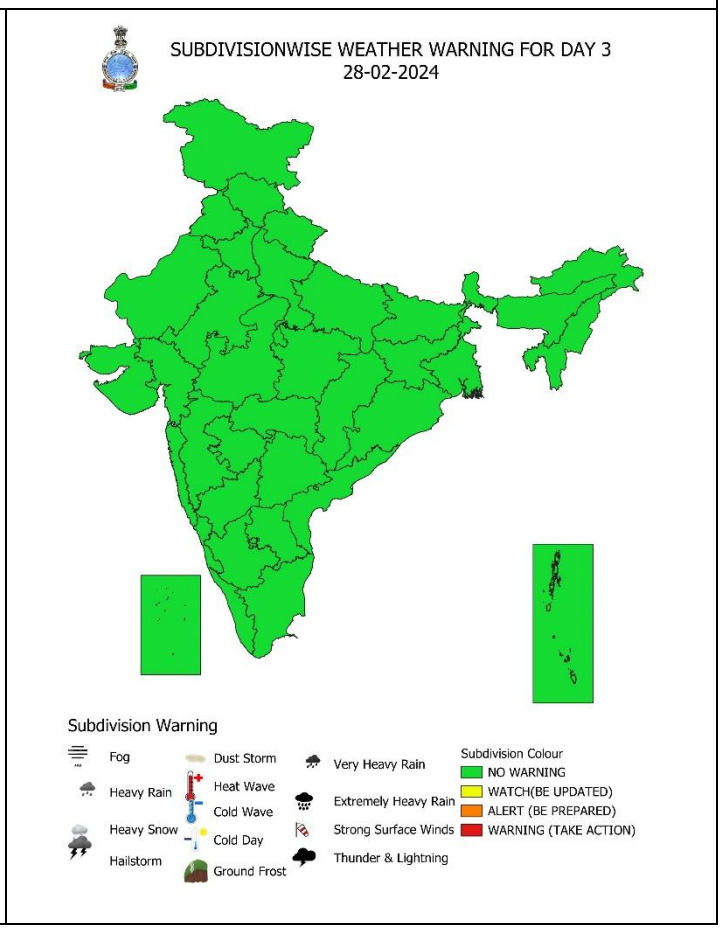
❖ No significant change in minimum temperatures very likely over rest parts of the country during next 5 days.

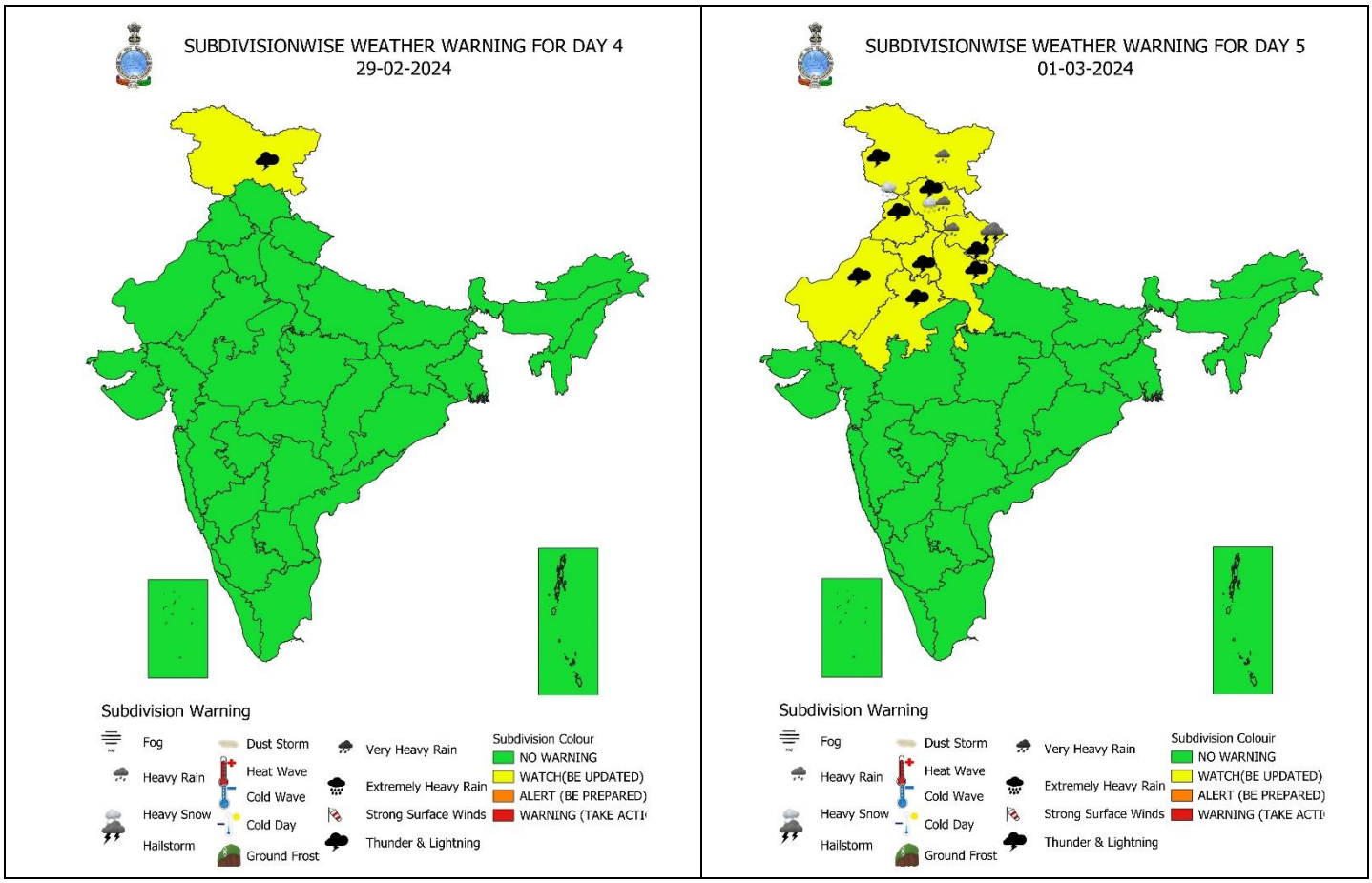
For more details, kindly refer: https://mausam.imd.gov.in/responsive/all_india_forcast_bulletin.php

ANNEXURE I


SUBDIVISIONWISE WEATHER WARNING FOR DAY 1
26-02-2024
Subdivision Warning
Fog
Heavy Rain
Heavy Snow
Hailstorm
Dust Storm
Heat Wave
Cold Wave
Cold Day
Ground Frost
Very Heavy Rain
Extremely Heavy Rain
Strong Surface Winds
Thunder & Lightning
Subdivision colour
NO WARNING
WATCH(BE UPDATED)
ALERT (BE PREPARED)
WARNING (TAKE ACTION)


SUBDIVISIONWISE WEATHER WARNING FOR DAY 2
27-02-2024
Subdivision Warning
Fog
Heavy Rain
Heavy Snow
Hailstorm
Dust Storm
Heat Wave
Cold Wave
Cold Day
Ground Frost
Very Heavy Rain
Extremely Heavy Rain
Strong Surface Winds
Thunder & Lightning
Subdivision Colour
NO WARNING
WATCH(BE UPDATED)
ALERT (BE PREPARED)
WARNING (TAKE ACTI


SUBDIVISIONWISE WEATHER WARNING FOR DAY 3
28-02-2024
Subdivision Warning
Fog
Heavy Rain
Heavy Snow
Hailstorm
Dust Storm
Heat Wave
Cold Wave
Cold Day
Ground Frost
Very Heavy Rain
Extremely Heavy Rain
Strong Surface Winds
Thunder & Lightning
Subdivision Colour
NO WARNING
WATCH(BE UPDATED)
ALERT (BE PREPARED)
WARNING (TAKE ACTION)


SUBDIVISIONWISE WEATHER WARNING FOR DAY 4
29-02-2024
Subdivision Warning
Fog
Heavy Rain
Heavy Snow
Hailstorm
Dust Storm
Heat Wave
Cold Wave
Cold Day
Ground Frost
Very Heavy Rain
Extremely Heavy Rain
Strong Surface Winds
Thunder & Lightning
Subdivision Colour
NO WARNING
WATCH(BE UPDATED)
ALERT (BE PREPARED)
WARNING (TAKE ACTI
SUBDIVISIONWISE WEATHER WARNING FOR DAY 5
01-03-2024
Subdivision Warning
Fog
Heavy Rain
Heavy Snow
Hailstorm
Dust Storm
Heat Wave
Cold Wave
Cold Day
Ground Frost
Very Heavy Rain
Extremely Heavy Rain
Strong Surface Winds
Thunder & Lightning
Subdivision Colouir
NO WARNING
WATCH(BE UPDATED)
ALERT (BE PREPARED)
WARNING (TAKE ACTI

Impact expected and action suggested due to thunderstorm with lightning/gusty winds & Hailstorm over Madhya Pradesh on 26th & 27th; over Vidarbha on 26th; over Chhattisgarh on 27th February and over Uttarakhand on 01st March, 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.

Impact & Action Suggested due to heavy rainfall/snowfall over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh and Uttarakhand on 01st & 02nd March, 2024.

Impacts Expected for Rain/Snow

- Disruption of Electricity.
- Landslide, rock fall and mudslides, Blocking/washout of roads/highways/bridges Nallahs.
- Disruption of traffic flow.
- Damage to Kuccha and unsecured structures.

Suggested Actions

- Avoid roadway underpasses, drainage ditches, low lying areas and areas where water collects – they can unexpectedly flood or overflow.
- Stay away from power lines or electrical wires.
- Don't stay in kuchcha houses during heavy rainfall as it may collapse anytime soon
- Drive carefully.

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 Widespred (FWS/ Many Places)	1-25	Isolated (ISOL)

Subdivision Warning		Subdivision color
Heavy Rain	Dust Storm	NO WARNING
Heavy Snow	Strong Surface Winds	WATCH(BE UPDATED)
Thunderstorms & Lightning	Heat Wave	ALERT (BE PREPARED)
Hailstorm	Cold wave	WARNING (TAKE ACTION)
	Fog	

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)