



Government of India  
Ministry of Earth Sciences  
India Meteorological Department



Press Release

Date: 14<sup>th</sup> March, 2024

Time of Issue: 1230 hours IST

**Subject: Light/Moderate rainfall accompanied with thunderstorm likely over East & Central India during 16<sup>th</sup>-18<sup>th</sup> March, 2024.**

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

- ❖ **Light/Moderate rainfall/snowfall** at most places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and Arunachal Pradesh; at isolated places over Himachal Pradesh, Uttarakhand and Sub-Himalayan West Bengal & Sikkim.
- ❖ **Light to moderate rainfall** at a few places over Gangetic West Bengal; at isolated places over Punjab, Haryana-Chandigarh-Delhi, West Uttar Pradesh, Rajasthan, Jharkhand, Odisha, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Kerala and Telangana.
- ❖ **Hailstorm** observed at isolated places over Gangetic West Bengal (Durgapur).

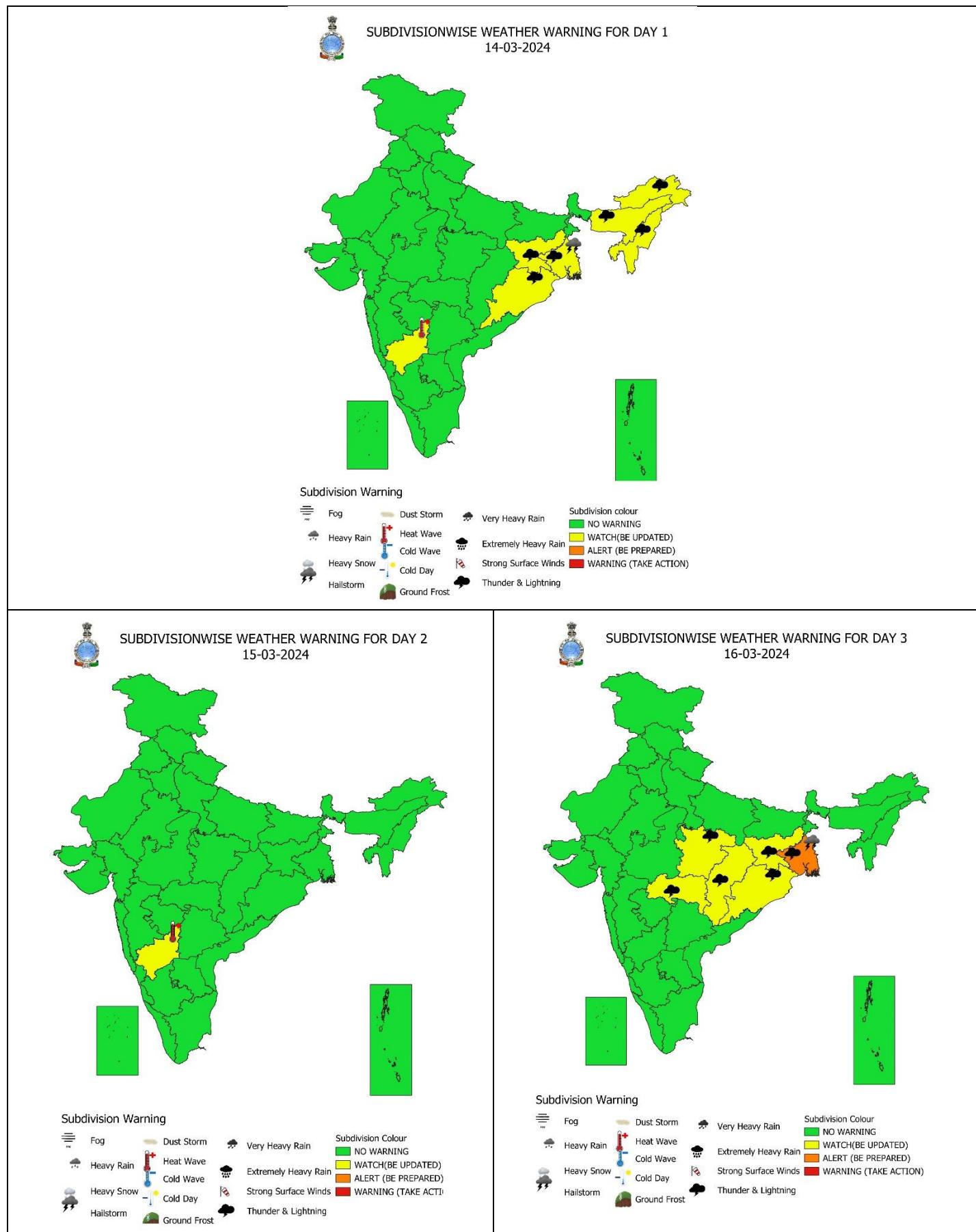
**Weather Systems and Forecast & Warnings: (Annexure I)**

- ❖ A trough runs from Gangetic West Bengal to north Coastal Andhra Pradesh across Odisha in lower tropospheric levels. Under its influence:
  - ✓ Scattered to fairly widespread rainfall with isolated **thunderstorms, lightning & gusty winds (30-40 kmph)** very likely over **Gangetic West Bengal** during 14<sup>th</sup> – 19<sup>th</sup> March. Isolated hailstorm also likely over **Gangetic West Bengal** on 14<sup>th</sup> & 16<sup>th</sup> March.
  - ✓ Isolated light to moderate rainfall with **thunderstorms, lightning & gusty winds (30-40 kmph)** over Jharkhand & Odisha during 14<sup>th</sup>-20<sup>th</sup>; over Vidarbha, Chhattisgarh and East Madhya Pradesh during 16<sup>th</sup>-20<sup>th</sup> March, 2024. **Isolated hailstorm also likely over East Madhya Pradesh, Vidarbha, Chhattisgarh** on 17<sup>th</sup> & 18<sup>th</sup> march. Isolated light rainfall/snowfall very likely over Sub-Himalayan West Bengal & Sikkim on 15<sup>th</sup> & 16<sup>th</sup> march, 2024.
- ❖ Isolated to scattered light/moderate rainfall/snowfall very likely over Arunachal Pradesh and Isolated light rainfall over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura during 14<sup>th</sup>-20<sup>th</sup> March, 2024.

**Maximum temperature forecast:**

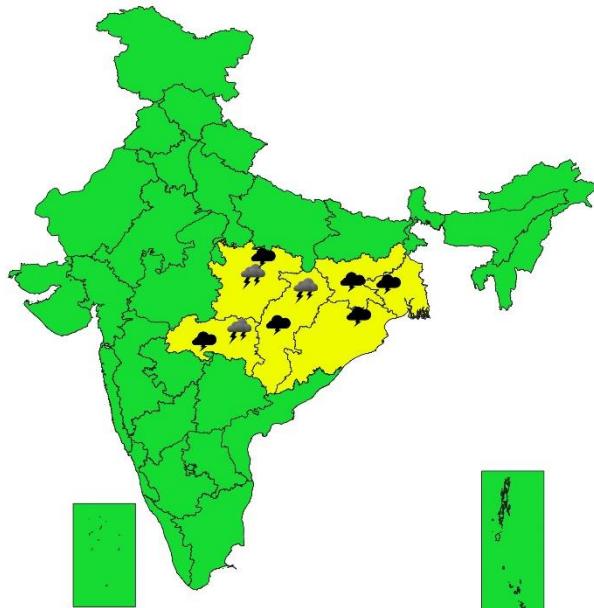
- ❖ **Maximum temperatures are above normal by 2-4°C over many parts of south Peninsular India. It is likely to remain same during next 4-5 days.**
- ❖ **Hot and humid weather** very likely to prevail over Kerala & Mahe, Rayalaseema and Tamil Nadu, Puducherry & Karaikal during next 5 days.
- ❖ **Heat wave conditions very likely in isolated pockets of North Interior Karnataka on 14<sup>th</sup> & 15<sup>th</sup> march, 2024.**
- ❖ No significant change in maximum temperatures very likely over Northwest & West India during next 3 days and rise by 2-4°C thereafter.
- ❖ Gradual fall in maximum temperatures by 2-3°C very likely over Odisha during next 5 days.
- ❖ No significant change in maximum temperatures very likely over rest part of the country during next 5 days.

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





SUBDIVISIONWISE WEATHER WARNING FOR DAY 4  
17-03-2024

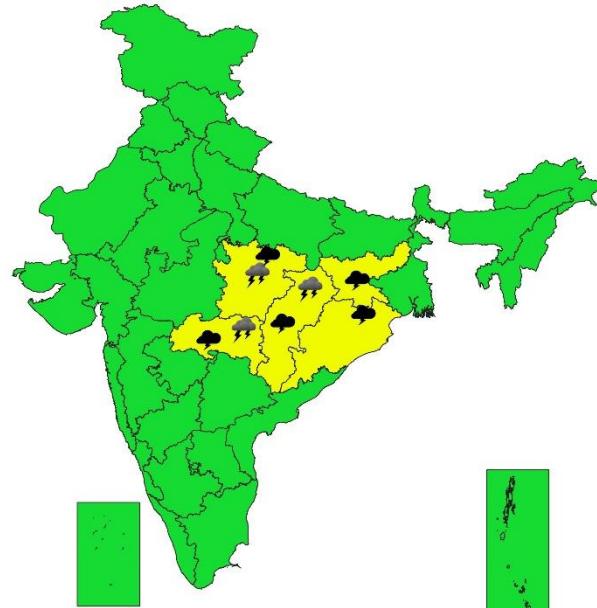


Subdivision Warning

Fog	Dust Storm	Very Heavy Rain	Subdivision Colour
Heavy Rain	Heat Wave	Extremely Heavy Rain	NO WARNING
Heavy Snow	Cold Wave	Strong Surface Winds	WATCH(BE UPDATED)
Hailstorm	Cold Day	Thunder & Lightning	ALERT (BE PREPARED)
Ground Frost			WARNING (TAKE ACTION)



SUBDIVISIONWISE WEATHER WARNING FOR DAY 5  
18-03-2024



Subdivision Warning

Fog	Dust Storm	Very Heavy Rain	Subdivision Colour
Heavy Rain	Heat Wave	Extremely Heavy Rain	NO WARNING
Heavy Snow	Cold Wave	Strong Surface Winds	WATCH(BE UPDATED)
Hailstorm	Cold Day	Thunder & Lightning	ALERT (BE PREPARED)
Ground Frost			WARNING (TAKE ACTION)

**Impact expected and action suggested due to thunderstorm with lightning, gusty winds & Hailstorm:** over Gangetic West Bengal on 14<sup>th</sup> & 16<sup>th</sup> March and over East Madhya Pradesh, Vidarbha, Chhattisgarh on 17<sup>th</sup> & 18<sup>th</sup> 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.

## Legends & abbreviations:

- ❖ **Heavy Rain:** 64.5-115.5mm; **Very Heavy Rain:** 115.6-204.4mm; **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	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