



Government of India  
Ministry of Earth Sciences  
India Meteorological Department



Press Release

Date: 15<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>-19<sup>th</sup> March, 2024.**

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

- ❖ **Light/Moderate rainfall/snowfall** at many places over Arunachal Pradesh; at isolated places over Himachal Pradesh and Sub-Himalayan West Bengal & Sikkim.
- ❖ **Light to moderate rainfall** at a few places over Nagaland, Manipur, Mizoram & Tripura; at isolated places over Assam & Meghalaya, Gangetic West Bengal, Odisha, Coastal Andhra Pradesh & Yanam, Telangana and Kerala & Mahe.

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

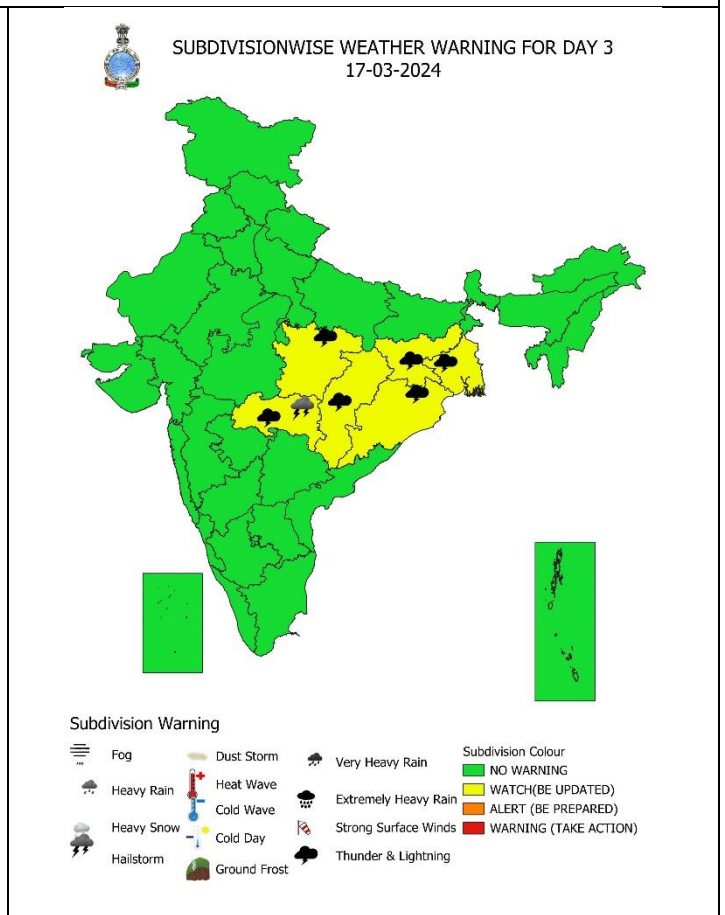
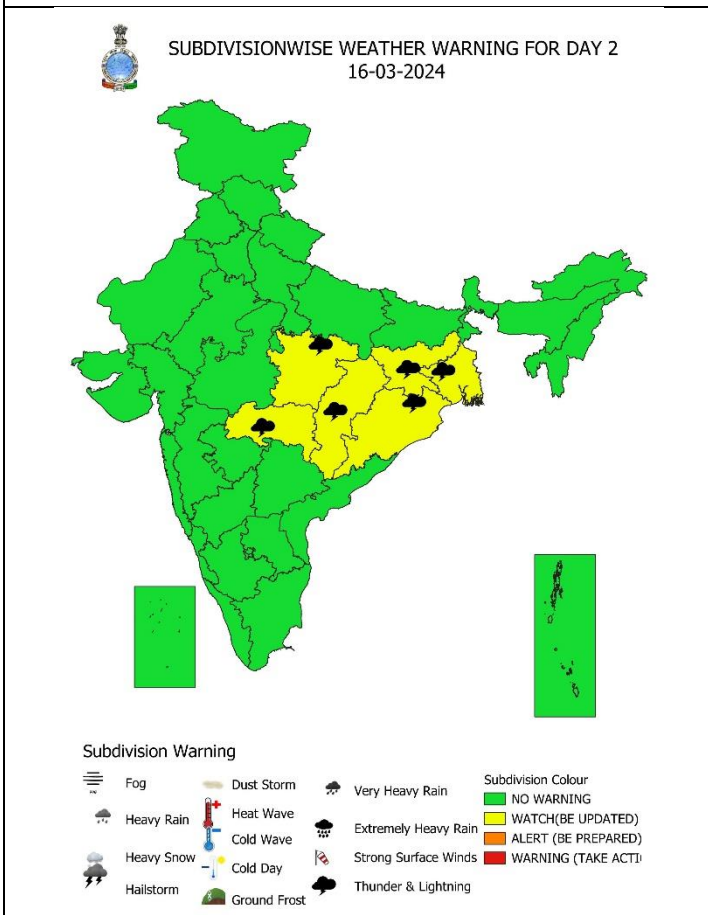
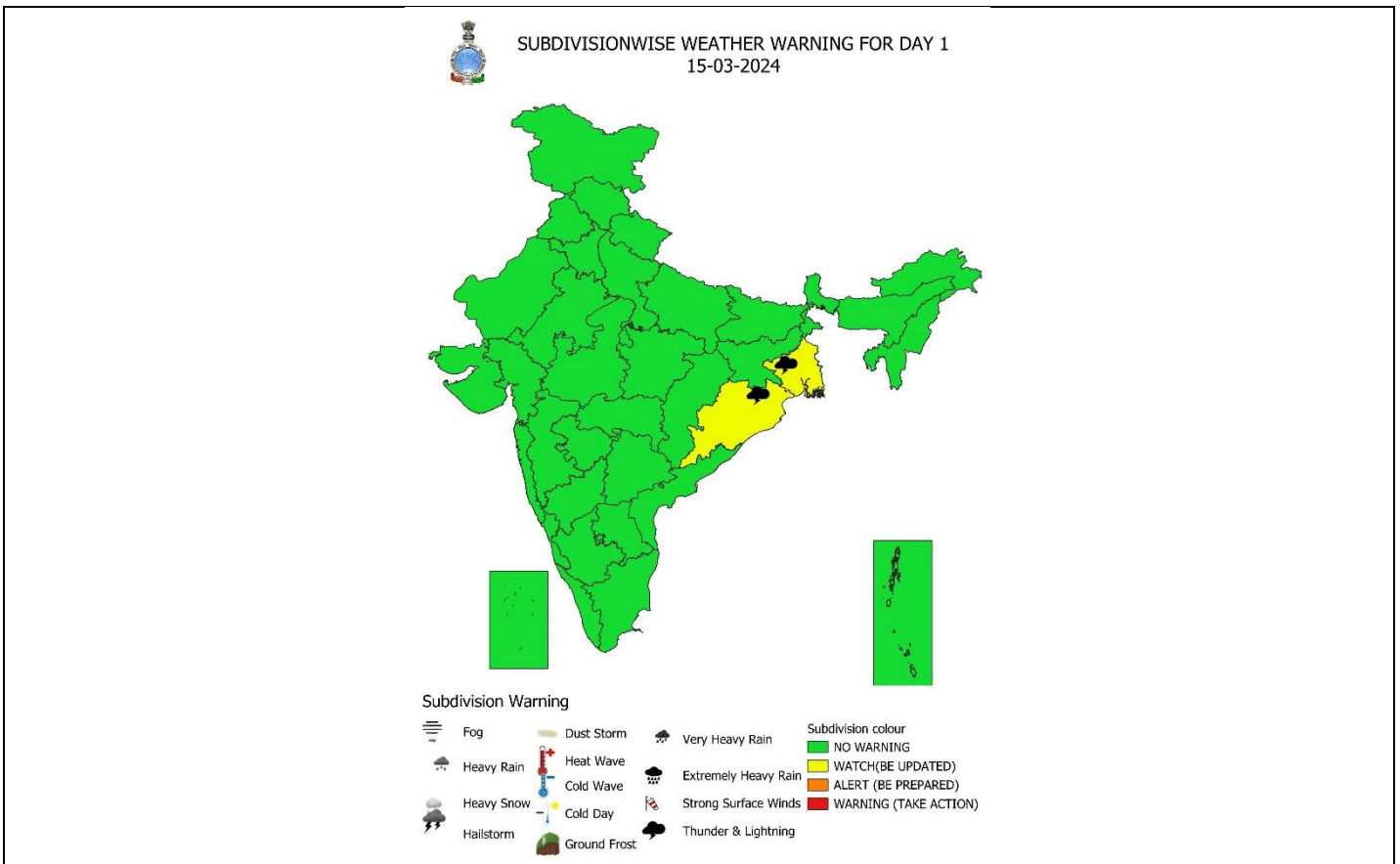
- ❖ A trough runs from cyclonic circulation over north Odisha to east Vidarbha in lower tropospheric levels and an anti-cyclonic circulation lies over westcentral Bay of Bengal & neighbourhood. Under its influence:
  - ✓ Scattered to fairly widespread rainfall with isolated **thunderstorms, lightning & gusty winds (30-40 kmph) very likely over Gangetic West Bengal during 16<sup>th</sup> – 20<sup>th</sup> March.**
  - ✓ Isolated to scattered light to moderate rainfall with **thunderstorms, lightning & gusty winds (30-40 kmph)** over Jharkhand, Odisha, Vidarbha, Chhattisgarh and East Madhya Pradesh during 16<sup>th</sup>-20<sup>th</sup> March, 2024. **Isolated hailstorm also likely over Vidarbha on 17<sup>th</sup> & 18<sup>th</sup> and East Madhya Pradesh on 18<sup>th</sup> & 19<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.
- ❖ The trough from east Vidarbha to north Tamil Nadu now runs from Marathwada to Comorin Area across interior Karnataka & Tamil Nadu in lower tropospheric levels. Under its influence, isolated light rainfall likely over Telangana and Coastal Andhra Pradesh & Yanam during 16<sup>th</sup> -20<sup>th</sup> March, 2024.
- ❖ Isolated to scattered light/moderate rainfall/snowfall very likely over Arunachal Pradesh and Isolated to scattered light rainfall over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura during 15<sup>th</sup>-21<sup>st</sup> March, 2024.
- ❖ A fresh Western Disturbance is likely to affect Western Himalayan Region from the night of 20<sup>th</sup> March, 2024. Under its influence, Isolated light rainfall/snowfall likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 20<sup>th</sup> & 21<sup>st</sup>; over Himachal Pradesh on 21<sup>st</sup> March, 2024.

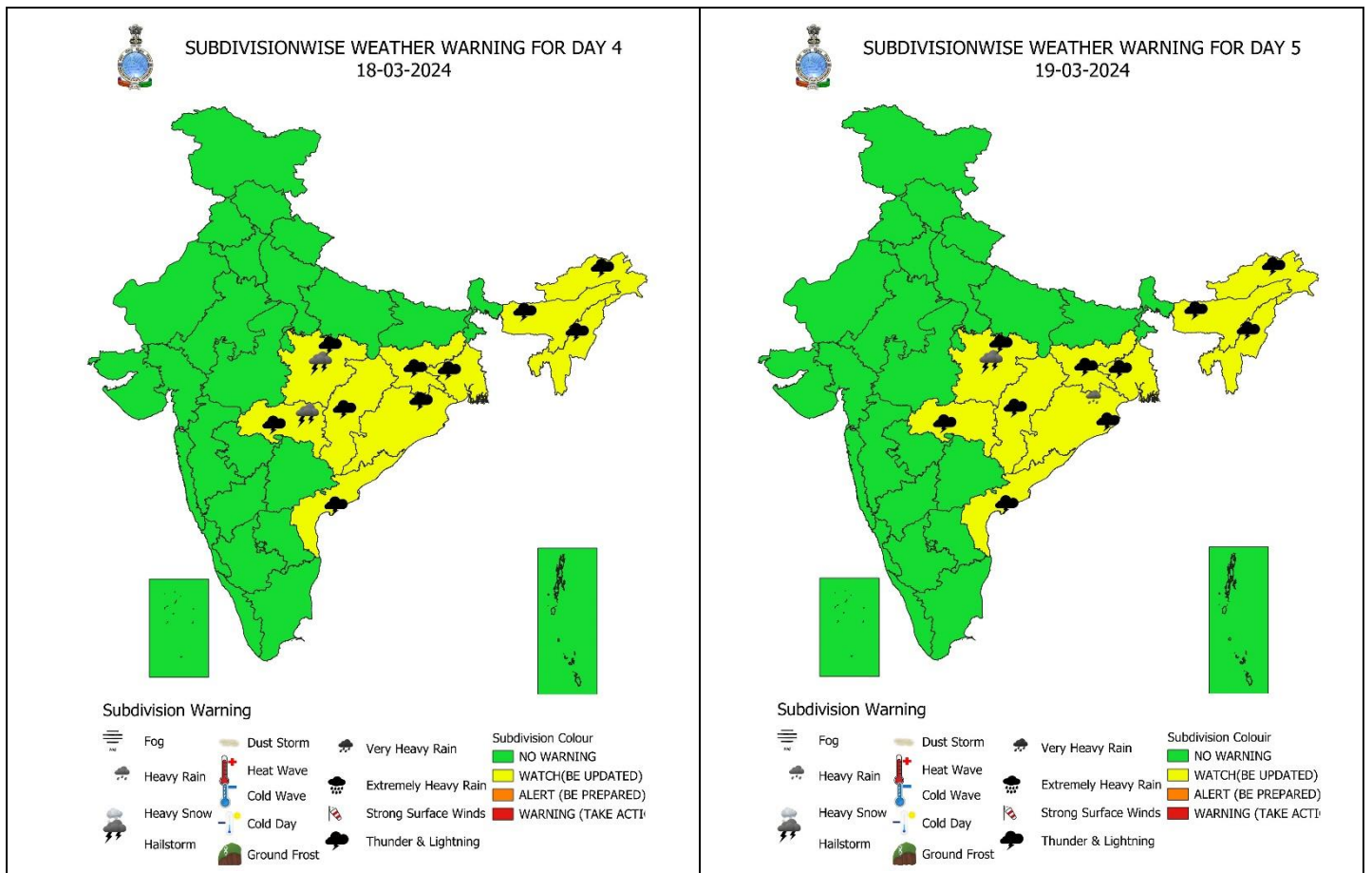
**Maximum temperature forecast:**

- ❖ **Maximum temperatures are appreciably above normal by 3-4°C in isolated pockets of south Vidarbha, Telangana, Rayalaseema & Tamil Nadu and above normal by 1-3°C over rest parts of Peninsular India. It is likely to remain same during next 4-5 days.**
- ❖ **Hot and humid weather** very likely to prevail over Tamil Nadu, Puducherry & Karaikal during next 2 days and Kerala & Mahe, Rayalaseema during next 5 days.

- ❖ No significant change in maximum temperatures very likely over East India during next 3 days and fall by 2-4°C thereafter.
- ❖ Gradual rise in maximum temperatures by 2-3°C very likely over West & Northwest India during next 4-5 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\\_forecast\\_bulletin.php](https://mausam.imd.gov.in/responsive/all_india_forecast_bulletin.php)





**Impact expected and action suggested due to thunderstorm with lightning, gusty winds & Hailstorm:** over Vidarbha on 17<sup>th</sup> & 18<sup>th</sup> and East Madhya Pradesh on 18<sup>th</sup> & 19<sup>th</sup> march.

**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 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