



Government of India
Ministry of Earth Sciences
India Meteorological Department



Press Release

Date: 15th March, 2024

Time of Issue: 1230 hours IST

Subject: Light/Moderate rainfall accompanied with thunderstorm likely over East & Central India during 16th-19th 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 16th – 20th 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 16th-20th March, 2024. **Isolated hailstorm also likely over Vidarbha on 17th & 18th and East Madhya Pradesh on 18th & 19th march.** Isolated light rainfall/snowfall very likely over Sub-Himalayan West Bengal & Sikkim on 15th & 16th 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 16th -20th 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 15th-21st March, 2024.
- ❖ A fresh Western Disturbance is likely to affect Western Himalayan Region from the night of 20th March, 2024. Under its influence, Isolated light rainfall/snowfall likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 20th & 21st; over Himachal Pradesh on 21st March, 2024.

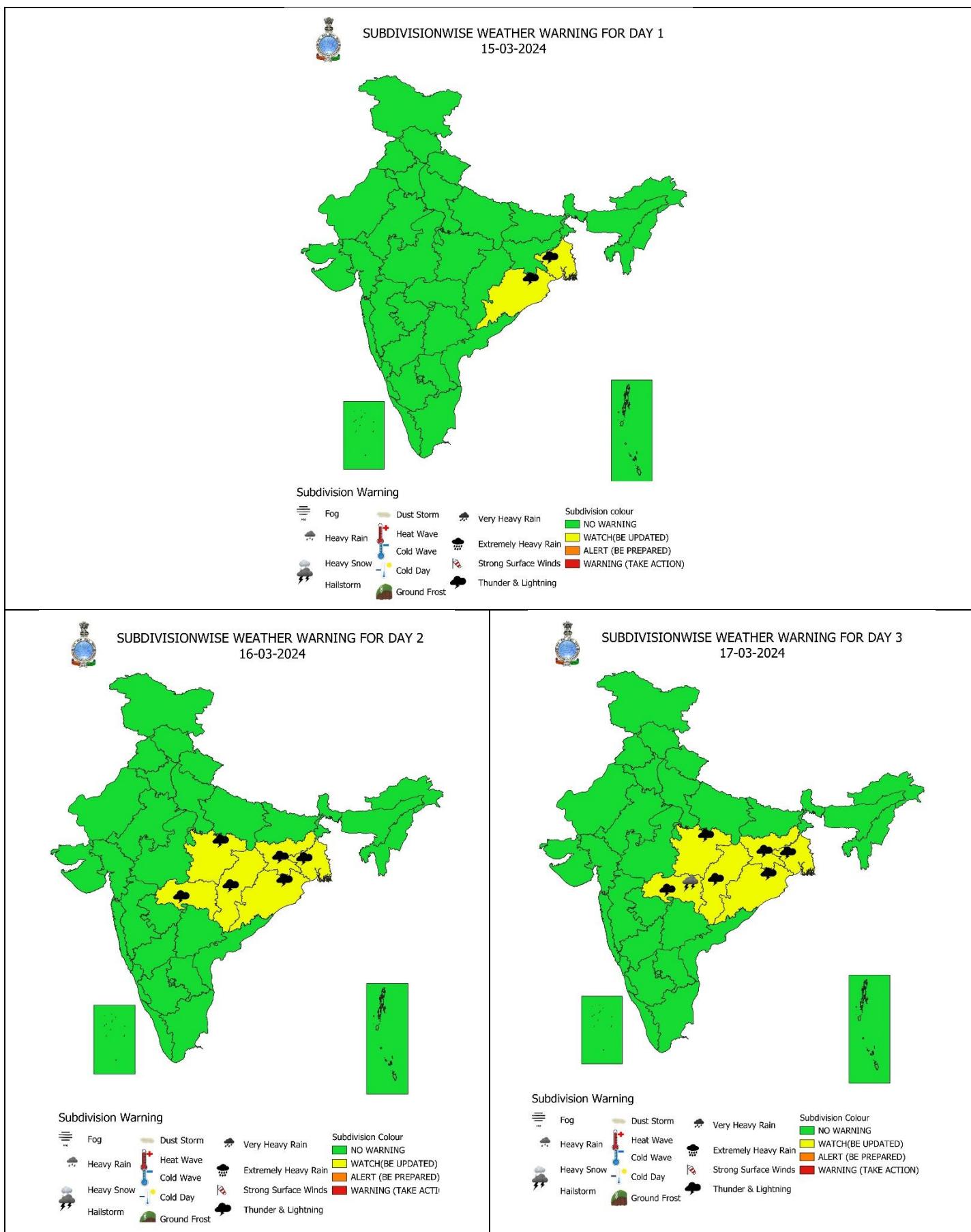
Maximum temperature forecast:

- ❖ **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.

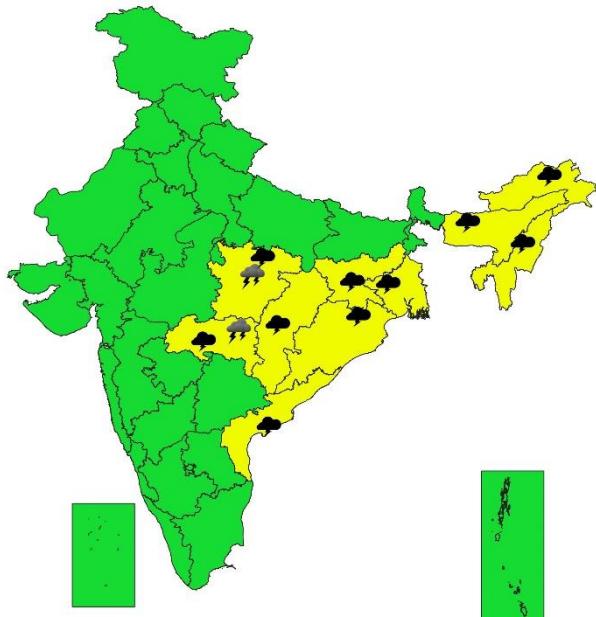
For more details, kindly refer: https://mausam.imd.gov.in/responsive/all_india_forcast_bulletin.php

ANNEXURE I





SUBDIVISIONWISE WEATHER WARNING FOR DAY 4
18-03-2024

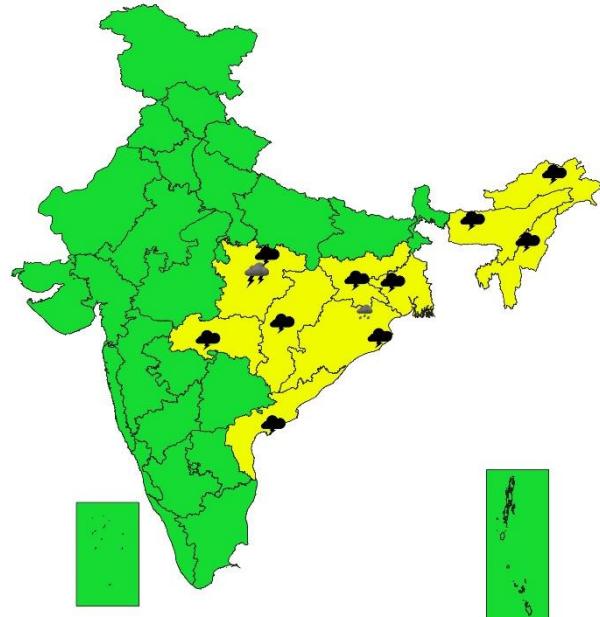


Subdivision Warning

	Fog		Dust Storm		Very Heavy Rain		Subdivision Colour
	Heavy Rain		Heat Wave		Extremely Heavy Rain		WATCH(BE UPDATED)
	Heavy Snow		Cold Wave		Strong Surface Winds		ALERT(BE PREPARED)
	Hailstorm		Cold Day		Thunder & Lightning		WARNING(TAKE ACTION)
	Ground Frost						



SUBDIVISIONWISE WEATHER WARNING FOR DAY 5
19-03-2024



Subdivision Warning

	Fog		Dust Storm		Very Heavy Rain		Subdivision Colour
	Heavy Rain		Heat Wave		Extremely Heavy Rain		WATCH(BE UPDATED)
	Heavy Snow		Cold Wave		Strong Surface Winds		ALERT(BE PREPARED)
	Hailstorm		Cold Day		Thunder & Lightning		WARNING(TAKE ACTION)
	Ground Frost						

Impact expected and action suggested due to thunderstorm with lightning, gusty winds & Hailstorm: over Vidarbha on 17th & 18th and East Madhya Pradesh on 18th & 19th 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 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