



Government of India  
Ministry of Earth Sciences  
India Meteorological Department



Press Release

Date: 25<sup>th</sup> March, 2024

Time of Issue: 1230 hours IST

**Subject:**

- i. Continued rain/thunderstorm activity over Arunachal Pradesh, Assam & Meghalaya and Sikkim on 25<sup>th</sup> & 26<sup>th</sup> March, 2024.
- ii. A fresh spell of Rainfall/thunderstorm activity over Western Himalayan Region and adjoining plains of northwest India during 26<sup>th</sup>-29<sup>th</sup> with peak activity on 28<sup>th</sup> & 29<sup>th</sup> March, 2024.

**Realised weather during past 24 hours till 0830 hours IST of today: (Annexure I)**

- ❖ **Light/Moderate rainfall/snowfall** recorded at a few places over Arunachal Pradesh; at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh, Sikkim.
- ❖ **Light/Moderate rainfall** recorded at a few places over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura; at isolated places over Odisha, Bihar, Punjab, Haryana-Chandigarh-Delhi, Uttar Pradesh, Rajasthan, Marathwada, Vidarbha, Telangana, North Interior Karnataka and Kerala & Mahe.
- ❖ **Thunderstorm** reported at isolated places over Nagaland, Manipur, Mizoram & Tripura.
- ❖ **Heavy rainfall/snowfall** observed at isolated places over Sikkim.

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

- ❖ A cyclonic circulation lies over northeast Assam & neighbourhood and a trough runs from northeast Madhya Pradesh to southeast Assam in lower tropospheric levels. Under the influence of these systems:
  - ✓ Fairly widespread to widespread light to moderate rainfall with isolated **thunderstorms & lightning** very likely over Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and Sub-Himalayan West Bengal & Sikkim on 25<sup>th</sup> & 26<sup>th</sup> March, 2024.
  - ✓ **Isolated heavy rainfall/snowfall very likely over Arunachal Pradesh on 25<sup>th</sup> & 26<sup>th</sup>; Sub Himalayan West Bengal and Sikkim on 25<sup>th</sup> and isolated heavy rainfall over Assam & Meghalaya on 25<sup>th</sup> & 26<sup>th</sup> March, 2024.**
  - ✓ Isolated light to moderate rainfall with **thunderstorms & lightning** very likely over Gangetic West Bengal on 25<sup>th</sup> & 26<sup>th</sup> and over Bihar & Jharkhand on 25<sup>th</sup> March, 2024.
- ❖ A fresh Western Disturbance as a trough in mid & upper tropospheric westerlies runs roughly along Long. 45°E to the north of Lat. 25°N. Under its influence:
  - ✓ Scattered to fairly widespread light rainfall/snowfall with isolated **thunderstorms & lightning** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 27<sup>th</sup>-

29<sup>th</sup> and Himachal Pradesh & Uttarakhand on 28<sup>th</sup> & 29<sup>th</sup> March, 2024. Isolated **hailstorm** also likely over Himachal Pradesh on 28<sup>th</sup> & 29<sup>th</sup> March, 2024.

✓ Isolated light rainfall with isolated **thunderstorms & lightning** likely over Punjab & Haryana on 28<sup>th</sup> & 29<sup>th</sup>; East Rajasthan on 28<sup>th</sup> and West Uttar Pradesh on 29<sup>th</sup> March, 2024.

❖ Another fresh Western Disturbance likely to affect Western Himalayan Region from 29<sup>th</sup> March, 2024.

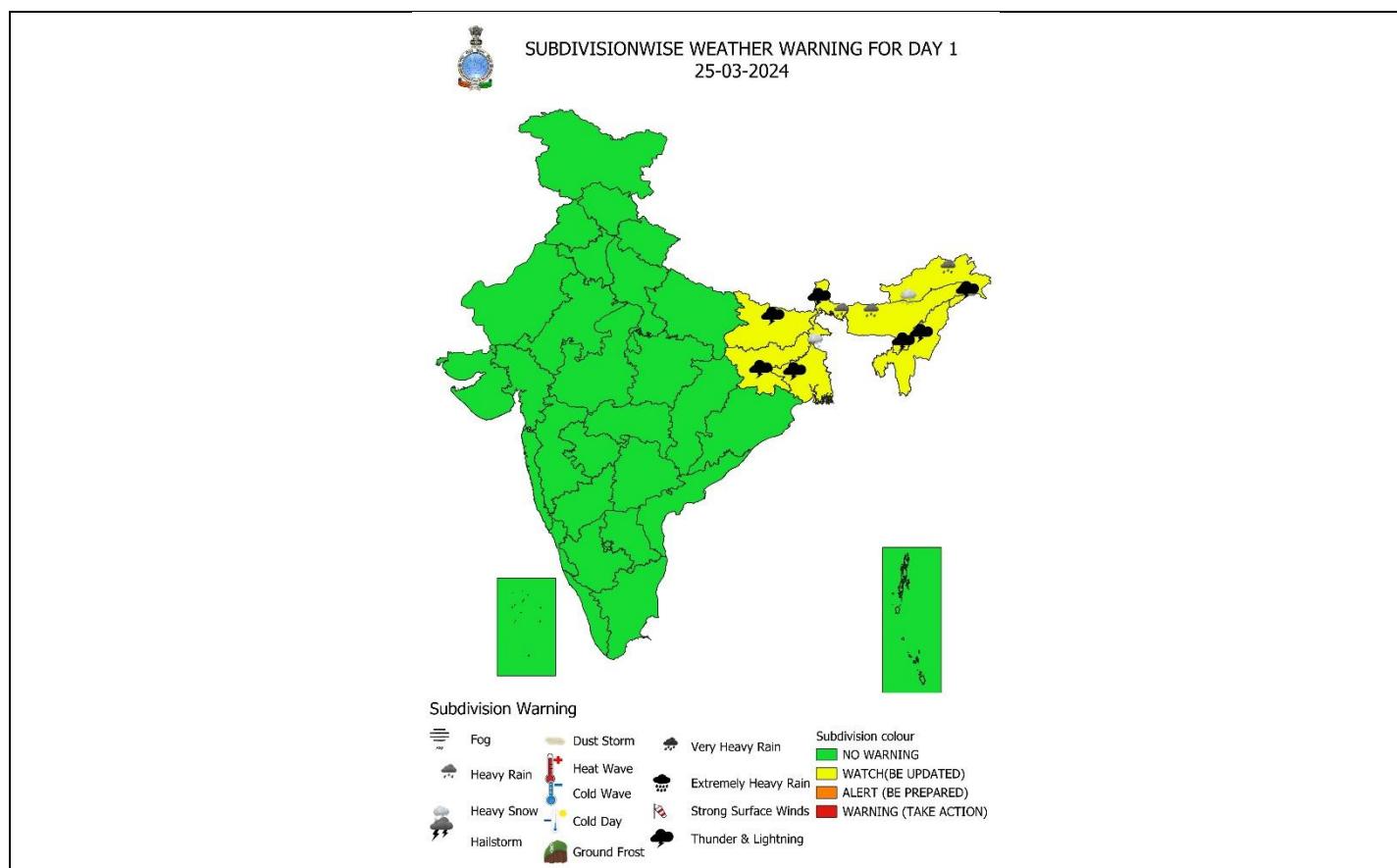
#### **Maximum temperature forecast for next 5 days:**

- ❖ **Maximum temperature** is in the range **36-40°C** over south Rajasthan, Madhya Pradesh, interior Gujarat, interior Maharashtra, Andhra Pradesh, Telangana and interior Karnataka, Kerala & Tamil Nadu which are above normal by 1-3°C. It is in the range of **30-35°C** over remaining parts of plains of India which are below normal by 1-4°C.
- ❖ Currently, the maximum temperatures are exceeding 95<sup>th</sup> percentile of climatological value at isolated pockets of Marathwada, interior Odisha, Kerala, South Interior Karnataka and south coastal Tamil Nadu. These are likely to continue to exceed 95<sup>th</sup> percentile of climatological value over the same region on 26<sup>th</sup> March and continue to prevail over extended areas of Marathwada, Vidarbha, interior Odisha and south Madhya Pradesh during 27<sup>th</sup>-29<sup>th</sup> March.
- ❖ Rise in maximum temperatures by 2-3°C very likely over Northwest India during next 3 days and no significant change thereafter.
- ❖ Gradual rise in maximum temperatures by 2-4°C very likely over East & Central India and interior Maharashtra during next 5 days.
- ❖ No significant change in maximum temperatures very likely over rest part of the country during next 5 days.
- ❖ **Hot and humid weather** very likely to prevail over Telangana, Rayalaseema, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe during 25<sup>th</sup>-29<sup>th</sup> March, 2024.

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)

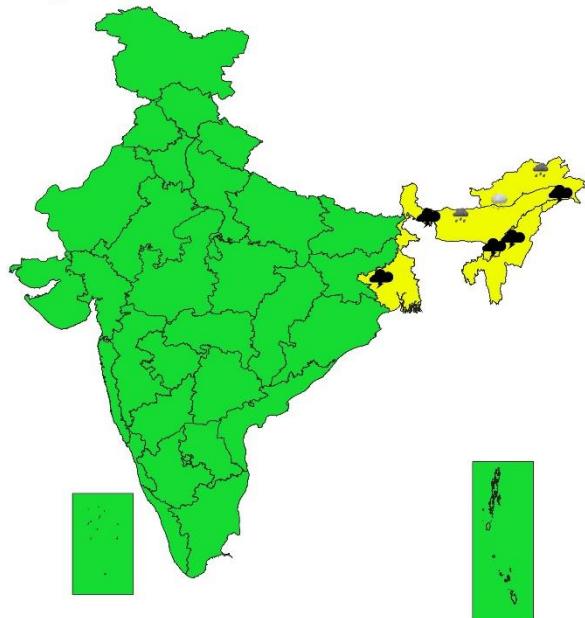
### Significant rainfall amount (in cm):

- **Sikkim:** Mangan (dist North Sikkim) 7, Shipgyar (dist North Sikkim) 2, Yuksom (dist West Sikkim) 1;
- **Arunachal Pradesh:** Nachu Arg (dist Upper Subansiri) 3, Tawang (dist Tawang) 1;
- **Nagaland, Manipur, Mizoram & Tripura:** Dharmanagar/ Panisagar (dist North Tripura) 2, Tamenglong (dist Tamenglong) 2, Sonamura (dist Sipahijala) 2, Kamalpur (dist Dhalai) 1;
- **Assam & Meghalaya:** Beki Mathungari (dist Barpeta) 2, Dhekiajuli (dist Shonitpur) 1;
- **North Interior Karnataka:** Kudalasangama (dist Bagalkote) 2;
- **Marathwada:** Latur (dist Latur) 1.





SUBDIVISIONWISE WEATHER WARNING FOR DAY 2  
26-03-2024

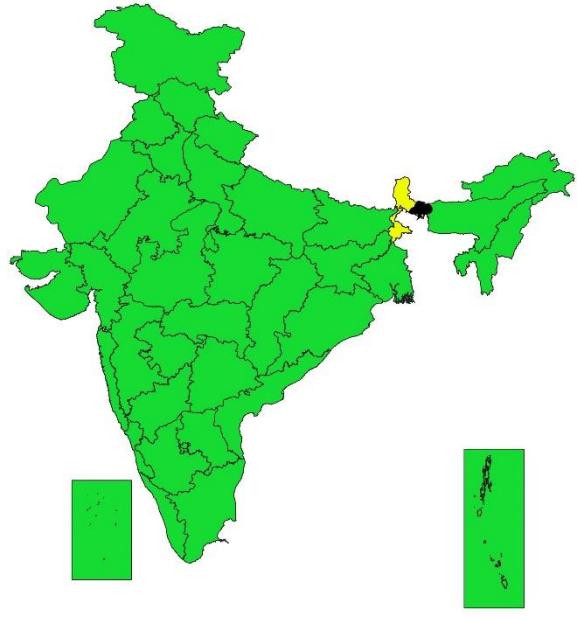


Subdivision Warning

	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 3  
27-03-2024

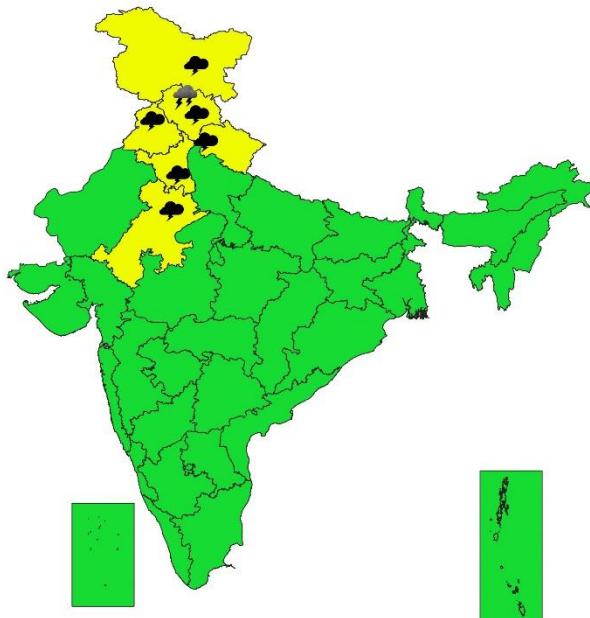


Subdivision Warning

	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 4  
28-03-2024

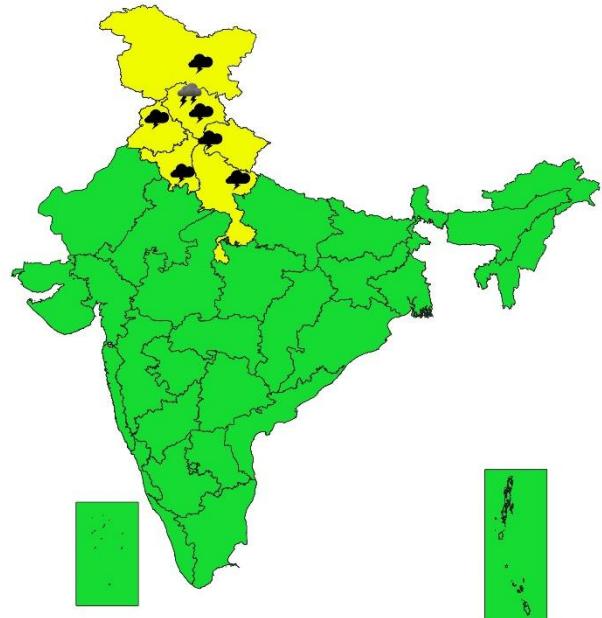


Subdivision Warning

	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  
29-03-2024



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						

## 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