



Government of India
Ministry of Earth Sciences
India Meteorological Department



Press Release

Date: 25th March, 2024

Time of Issue: 1230 hours IST

Subject:

- i. **Continued rain/thunderstorm activity over Arunachal Pradesh, Assam & Meghalaya and Sikkim on 25th & 26th March, 2024.**
- ii. **A fresh spell of Rainfall/thunderstorm activity over Western Himalayan Region and adjoining plains of northwest India during 26th-29th with peak activity on 28th & 29th 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 25th & 26th March, 2024.
 - ✓ **Isolated heavy rainfall/snowfall very likely over Arunachal Pradesh on 25th & 26th; Sub Himalayan West Bengal and Sikkim on 25th and isolated heavy rainfall over Assam & Meghalaya on 25th & 26th March, 2024.**
 - ✓ Isolated light to moderate rainfall with **thunderstorms & lightning** very likely over Gangetic West Bengal on 25th & 26th and over Bihar & Jharkhand on 25th 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 27th-

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

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

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

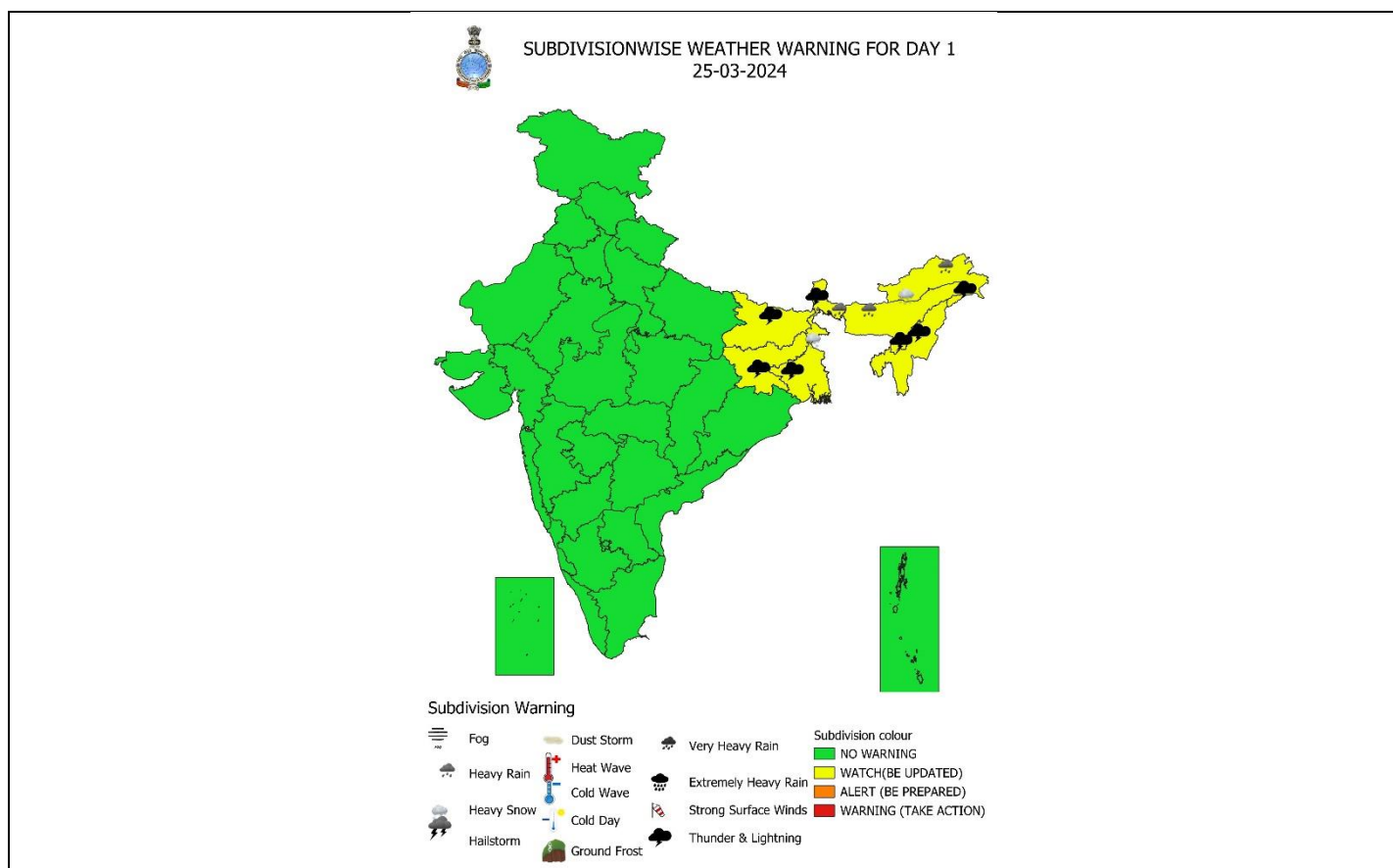
Maximum temperature forecast for next 5 days:

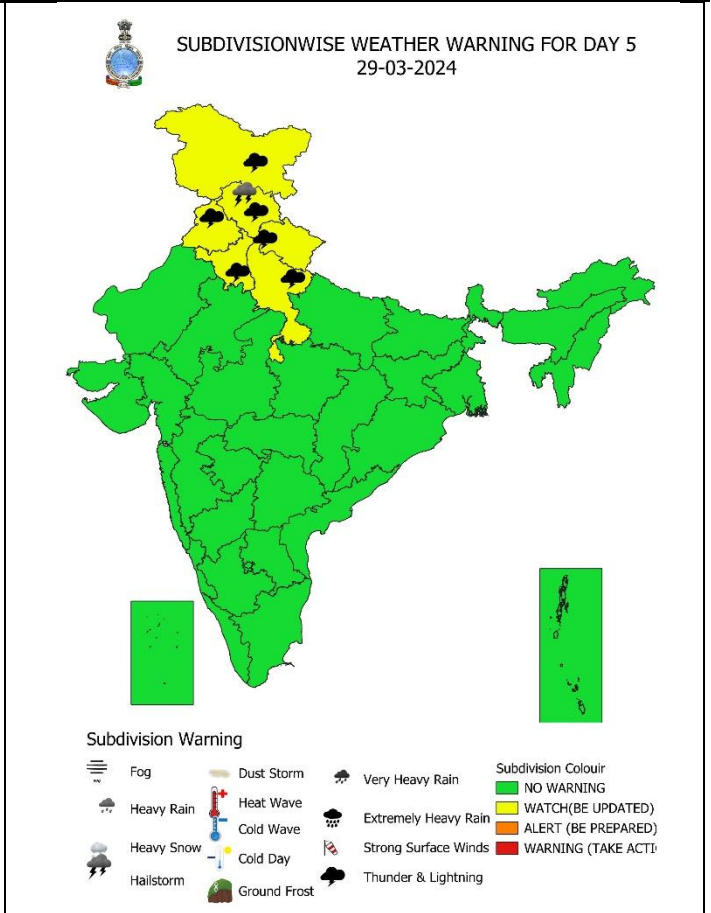
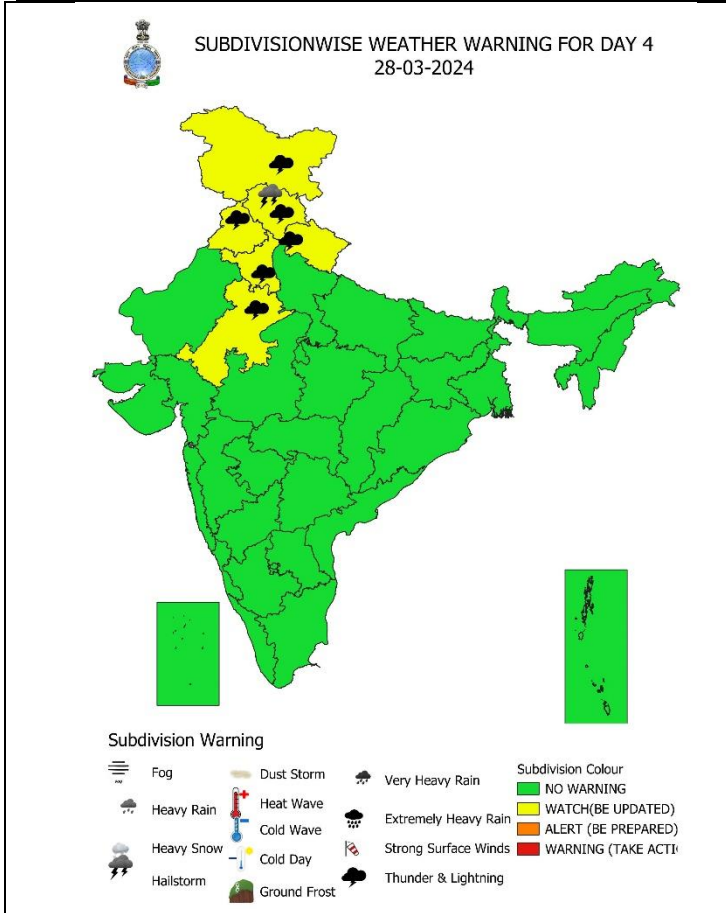
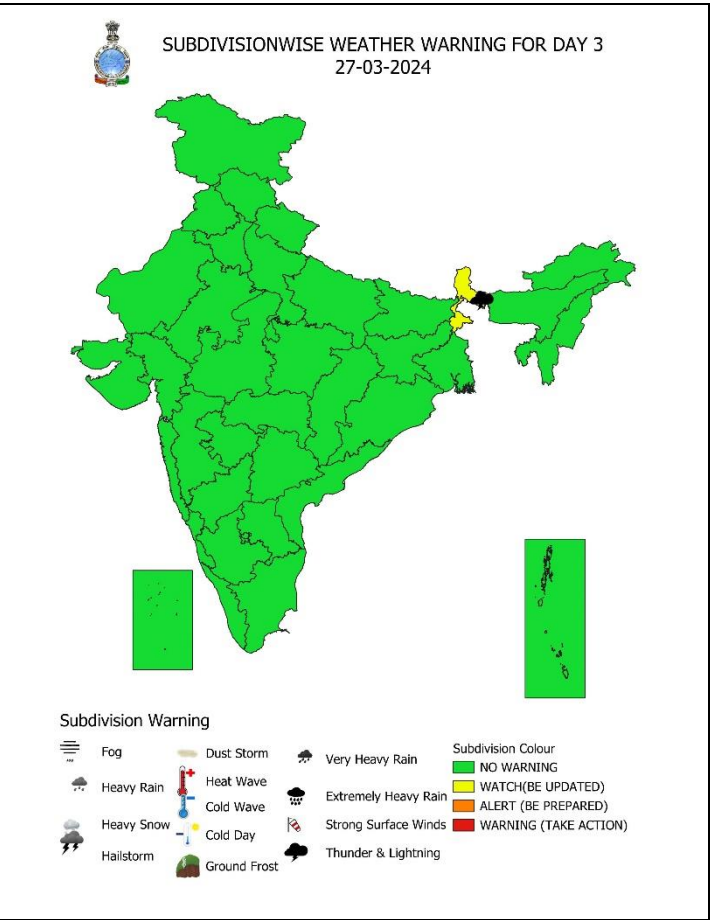
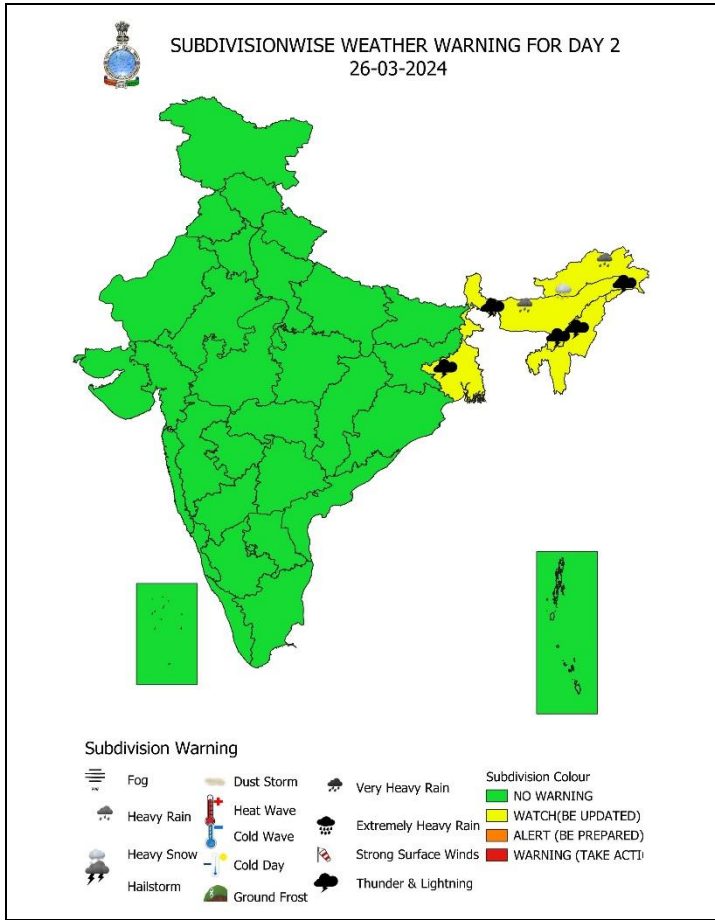
- ❖ **Maximum temperature** is in the range **36-40°C** over south Rajasthan, Madhya Pradesh, interior Gujarat, interior Maharashtra, Andhra Pradesh, Telangana and interior Karnataka, Kerala & Tamil Nadu which are above normal by 1-3°C. It is in the range of **30-35°C** over remaining parts of plains of India which are below normal by 1-4°C.
- ❖ Currently, the maximum temperatures are exceeding 95th 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 95th percentile of climatological value over the same region on 26th March and continue to prevail over extended areas of Marathwada, Vidarbha, interior Odisha and south Madhya Pradesh during 27th-29th 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 25th-29th March, 2024.

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


















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