



Government of India
Ministry of Earth Sciences
India Meteorological Department



Press Release

Date: 24th March, 2024

Time of Issue: 1330 hours IST

Subject: (i) Continued rain/thunderstorm activity over Northeast India, Sub Himalayan West Bengal and Sikkim during 24th to 26th March, 2024.
(ii) Light to moderate rain/thunderstorm over Western Himalayan Region & adjoining northern plains on 24th March along with light to moderate snowfall over higher reaches of northwest Himalayas.
(iii) A fresh spell of Rainfall/thunderstorm activity over Western Himalayan Region and adjoining plains of northwest India during 26th to 29th March, 2024 with peak activities on 28th & 29th March, 2024.

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

- ❖ **Light to moderate rainfall/snowfall and thunderstorm** are recorded at most places over Arunachal Pradesh and Sub-Himalayan West Bengal & Sikkim.
- ❖ **Light to moderate rainfall accompanied with thunderstorm** are recorded at most places over Nagaland, Manipur, Mizoram & Tripura; at many places over Assam & Meghalaya; at isolated places over Kerala & Mahe; **Light rainfall** recorded at a few places over Lakshadweep and at isolated places over Bihar, Punjab, West Rajasthan, Telangana, Rayalseema, Tamil Nadu, Puducherry & Karaikal and Karnataka.
- ❖ **Heavy rainfall** occurred at isolated places over Assam & Meghalaya.

Weather Systems and Forecast & Warnings: (Annexure II)

- ❖ A cyclonic circulation lies over northeast Assam & neighbourhood and a trough runs from northwest Bihar to southeast Assam across north Bangladesh in lower tropospheric levels. Under the influence of these systems:
 - ✓ Scattered to Fairly 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 during 24th- 26th March, 2024.
 - ✓ Isolated **heavy rainfall/snowfall** very likely over Arunachal Pradesh on 25th & 26th; over 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 26th; Bihar and Jharkhand on 25th March.
- ❖ A Western Disturbances as a trough in middle tropospheric westerlies runs roughly along Long. 67°E to the north of Lat. 32°N. Under its influence,

- ✓ Isolated light to moderate rainfall/snowfall over Western Himalayan Region on 24th with **thunderstorms & lightning** very likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh and Uttarakhand on 24th March, 2024.
- ✓ Isolated light to moderate rainfall accompanied with **thunderstorms, lightning & gusty winds (30-40 kmph)** very likely over Rajasthan, Punjab, Haryana and West Uttar Pradesh on 24th March, 2024.
- ❖ A fresh Western Disturbance is likely to affect Western Himalayan Region from the night of 26th and another from 29th March, 2024. Under the influence of these systems:
 - ✓ Scattered to Fairly widespread light rainfall/snowfall with isolated **thunderstorms & lightning** very likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and Himachal Pradesh on 27th & 28th March 2024.
 - ✓ Isolated light rainfall likely over Punjab, Haryana and Rajasthan during 26th - 28th March, 2024.

Maximum temperature forecast for next 5 days:

- ❖ **Maximum temperatures** are in the range **36-40°C** over south Rajasthan, south Madhya Pradesh, northern parts of Gujarat, interior parts of Maharashtra, Andhra Pradesh, Telangana and interior parts of Karnataka, Kerala & Tamil Nadu which are above normal by 1-3°C. It is in the range of **33-36°C** over remaining parts of plains of India which are above normal by 1-2°C except Bihar, Jharkhand, Gangetic West Bengal where it is **30-33°C** which are below normal by 1-4°C.
- ❖ Fall in maximum temperatures by 3-4°C very likely over Northwest India during next 24 hours and then rise by 3-4°C during subsequent 3-4 days.
- ❖ Gradual rise in maximum temperatures by 2-3°C very likely over West, Central and East India during next 3-4 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 Rayalaseema, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe during 24th-28th March, 2024.

Heat wave warning:

- ❖ **Heat wave conditions** very likely in isolated pockets over Saurashtra & Kutch on 26th & 27th March.

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

Significant rainfall amount (in cm):

Sub-Himalayan West Bengal & Sikkim: Kalimpong & Bagdogra (dist Darjeeling) 2 each, Khanitar & Majitar (dist East Sikkim) 1 each;

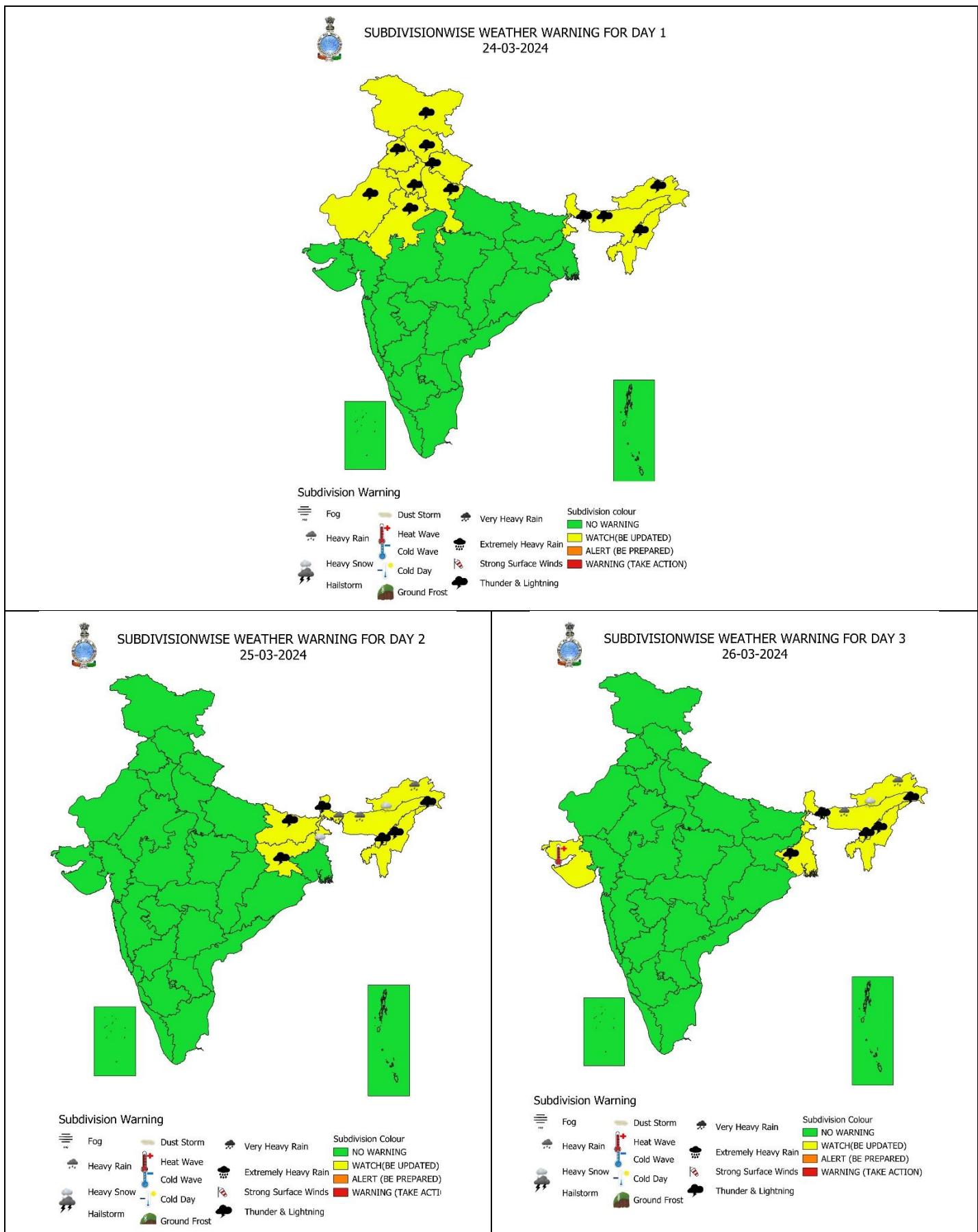
Arunachal Pradesh: Tawang_Aws (dist Tawang) 2, Tawang (dist Tawang) 2, Tawang Chamgbu Kvk Aws (dist Tawang) 2;

Nagaland, Manipur, Mizoram & Tripura: Amarpur (dist Gomati) 4, Khowai (dist Khowai) 4, Bishalgarh (dist Sipahijala) 3, Gokulpur_aws (dist Gomati) 3, Sabroom (dist South Tripura) 3, Khowai_Aws (dist Khowai) 3, Dharmanagar/ Panisagar (dist North Tripura) 2, A D Nagar_aws (dist West Tripura) 2, Lembuchhera (dist West Tripura) 2, Arundhutinagar (dist West Tripura) 2, Chhamonu (dist Dhalai) 2, Kvk South (dist South Tripura) 2, Sonamura (dist Sipahijala) 2, Kailashahar Aero (dist Unakoti) 2;

Assam & Meghalaya: Barpathar (dist Golaghat) 3, Umiam_arg (dist Ri Bhoi) 2, Dhansiri Arg (dist Karbi Anglong) 2, Ampati (dist South West Garo Hills) 2, Nongpuh (dist Ri Bhoi) 2, Mawsynram (dist East Khasi Hills) 2, Cherrapunji(rkm) (dist East Khasi Hills) 2, Silchar (dist Cachar) 2;

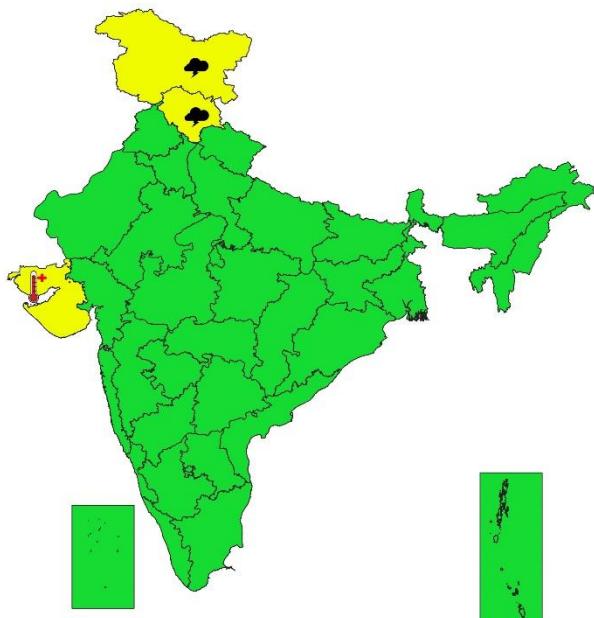
Interior Karnataka: Balehonnur (dist Chikkamagaluru) 2, Londa (dist Belagavi) 1;

Kerala: Chavara AWS (Kollam district) 5, Karumadi AWS (Alappuzha district) 4, Kottayam, Mancompu (Alappuzha district) & Kanjirappally (Kottayam district) 3 each, Aryankavu (Kollam district) & Neryamangalam ARG (Ernakulam district) 2 each and Konni (Pathanamthitta district), Kayamkulam (Alappuzha district), Pirappancode AWS (Thiruvananthapuram district) & Vadavathur AWS (Kottayam district) 1 each.





SUBDIVISIONWISE WEATHER WARNING FOR DAY 4
27-03-2024

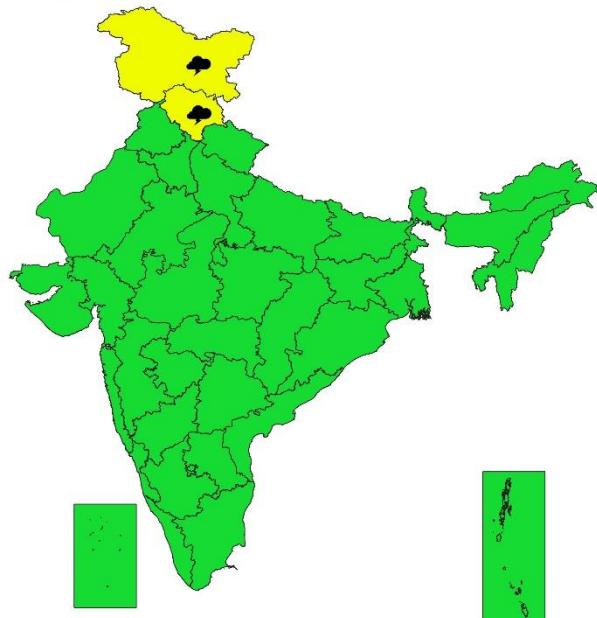


Subdivision Warning

| | | | | | | | |
|--|------------|--|---------------------|--|----------------------|--|---------------------|
| | Fog | | Dust Storm | | Very Heavy Rain | | Subdivision Colour |
| | Heavy Rain | | Heat Wave | | Extremely Heavy Rain | | WATCH(BE UPDATED) |
| | Cold Wave | | Thunder & Lightning | | ALERT (BE PREPARED) | | ALERT (BE PREPARED) |
| | Heavy Snow | | Cold Day | | Hailstorm | | Ground Frost |
| | | | | | | | |



SUBDIVISIONWISE WEATHER WARNING FOR DAY 5
28-03-2024



Subdivision Warning

| | | | | | | | |
|--|------------|--|---------------------|--|----------------------|--|---------------------|
| | Fog | | Dust Storm | | Very Heavy Rain | | Subdivision Colour |
| | Heavy Rain | | Heat Wave | | Extremely Heavy Rain | | WATCH(BE UPDATED) |
| | Cold Wave | | Thunder & Lightning | | ALERT (BE PREPARED) | | ALERT (BE PREPARED) |
| | Heavy Snow | | Cold Day | | Hailstorm | | 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 |