



Government of India
Ministry of Earth Sciences
India Meteorological Department



Press Release

Date: 26th March, 2024

Time of Issue: 1330 hours IST

Subject:

- i. **Intense rain/thunderstorm activity over Arunachal Pradesh and Assam & Meghalaya likely to continue today and a fresh spell of intense rainfall/thunderstorm likely from 30th March, 2024.**
- ii. **A fresh spell of Rainfall/thunderstorm activity over Western Himalayan Region and adjoining plains of northwest India during 26th-31st with peak activity during 29th to 30th March, 2024.**

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

- ❖ **Light/Moderate rainfall/snowfall** accompanied with thunderstorm recorded at most places over Arunachal Pradesh and Sikkim.
- ❖ **Light/Moderate rainfall** accompanied with thunderstorm recorded at most places over Assam & Meghalaya; at many places over West Bengal; at a few places over Nagaland, Manipur, Mizoram & Tripura; at isolated places over Odisha, Bihar, Jharkhand, Vidarbha, Chhattisgarh, Telangana and Kerala & Mahe.
- ❖ **Hailstorm** reported at isolated places over coastal Odisha and Chhattisgarh.
- ❖ **Heavy rainfall/snowfall** observed at isolated places over Arunachal Pradesh.
- ❖ **Heavy to very heavy rainfall** observed at isolated places over Meghalaya and **heavy rainfall** at isolated places over Odisha.

Weather Systems and Forecast & Warnings: (Annexure II)

- ❖ A cyclonic circulation lies over northeast Assam & neighbourhood and a trough in westerlies runs roughly along Long. 93°E to the north of Lat. 23°N 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 and scattered to fairly widespread over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and Sub-Himalayan West Bengal & Sikkim during 26th-30th March, 2024.
 - ✓ **Isolated heavy rainfall/snowfall very likely over Arunachal Pradesh and isolated heavy rainfall over Assam & Meghalaya on 26th & 30th March, 2024.**
 - ✓ Isolated light to moderate rainfall with **thunderstorms & lightning** very likely over Gangetic West Bengal on 26th and during 28th-30th March, 2024.
 - ✓ Isolated light to moderate rainfall very likely over Bihar 26th, 27th & 30th and over Jharkhand & Odisha on 30th March.

- ❖ A Western Disturbance as a trough in mid & upper tropospheric westerlies runs roughly along Long. 50°E to the north of Lat. 28°N. Another fresh Western Disturbance likely to affect Western Himalayan Region from 29th March, 2024. Under their influence:
 - ✓ Scattered to fairly widespread light rainfall/snowfall with isolated **thunderstorms & lightning** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and Himachal Pradesh during 26th-30th; over Uttarakhand during 28th-30th March, 2024.
 - ✓ Isolated **hailstorm** also likely over Jammu-Kashmir on 27th; over Himachal Pradesh on 28th & 29th and over Uttarakhand on 29th & 30th March, 2024.
 - ✓ Isolated light rainfall with isolated **thunderstorms & lightning** likely over Punjab, Haryana, and West Uttar Pradesh during 28th-30th; Rajasthan on 29th & 30th and East Uttar Pradesh on 30th March, 2024.

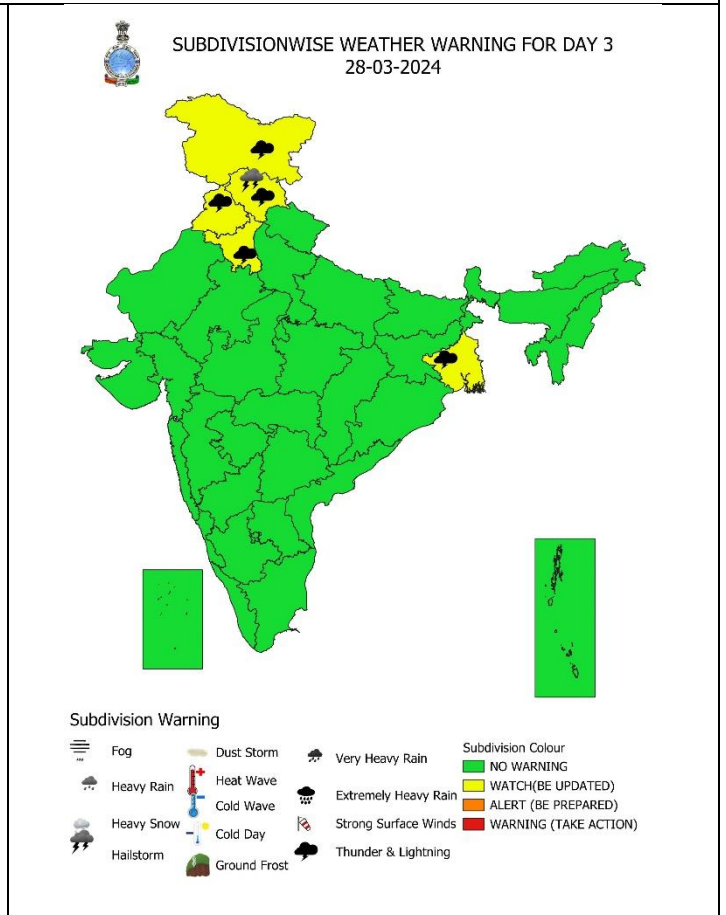
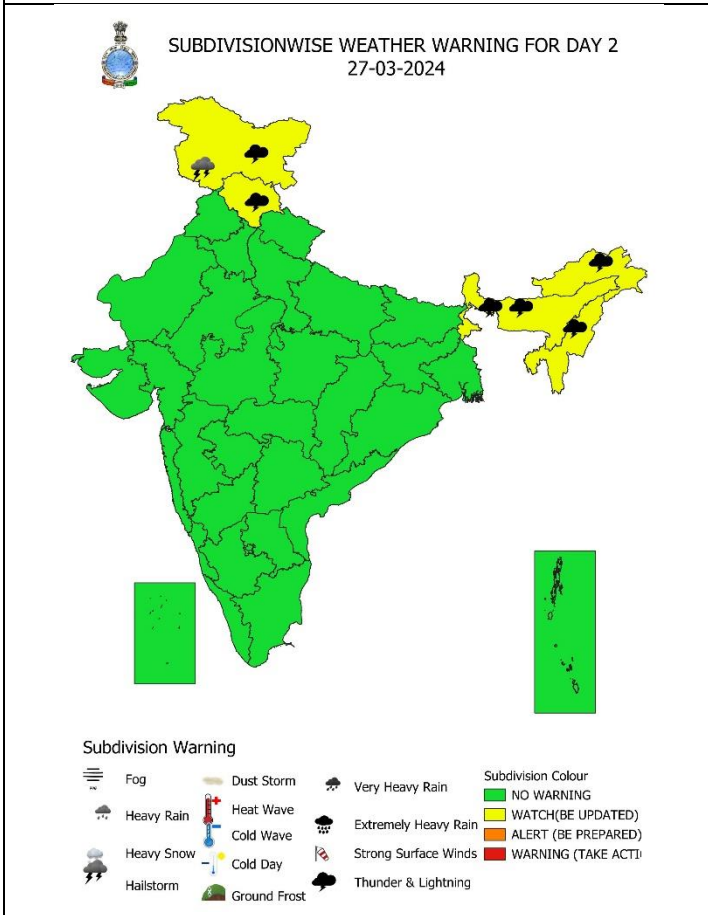
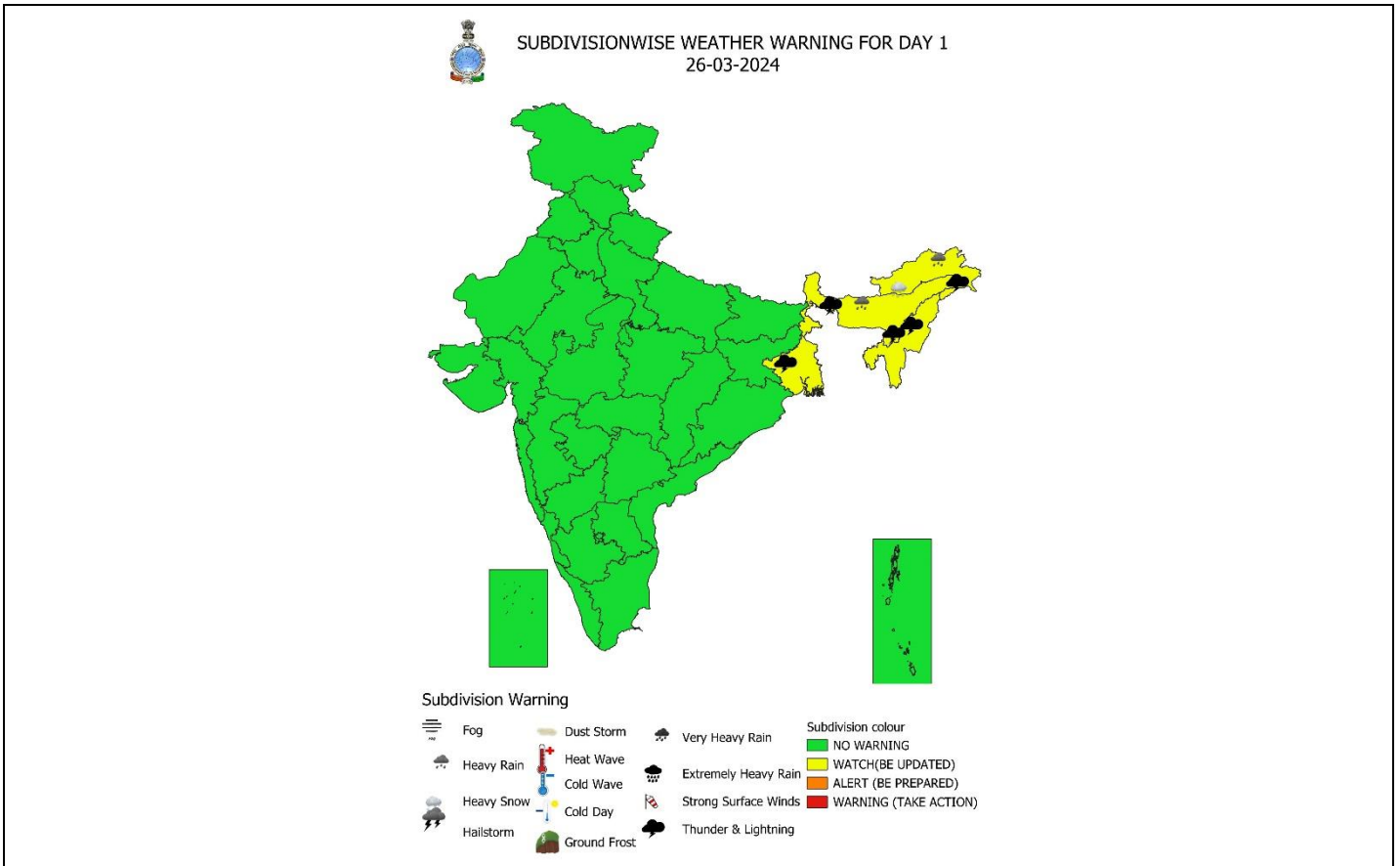
Maximum temperature forecast for next 5 days:

- ❖ Yesterday's, Maximum temperatures were in the range 36-40°C over many parts of peninsular India and Gujarat; over some parts of south Rajasthan, Madhya Pradesh which were above normal by 1-3°C. These in the range of 32-36°C over remaining parts of plains of India which were also above normal by 1-3°C.
- ❖ Currently, the maximum temperatures are exceeding 95th percentile of climatological value at isolated pockets of Marathwada, Kerala, South Interior Karnataka and south coastal Tamil Nadu. These are likely to continue to exceed 95th percentile of climatological value over extended areas of Marathwada and Vidarbha on 26th March and extend further to neighbouring region of Maharashtra, Madhya Pradesh and interior Odisha on 27th & 28th March.
- ❖ No significant change in maximum temperatures very likely over East India during next 3 days and gradual rise by 2-3°C thereafter.
- ❖ Gradual rise in maximum temperatures by 2-4°C very likely over Central India during next 2-3 days and no significant change thereafter.
- ❖ 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 26th-30th March, 2024.
- ❖ **Warm night** very likely at isolated places over Marathwada and south Madhya Maharashtra during 26th-28th March, 2024.

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

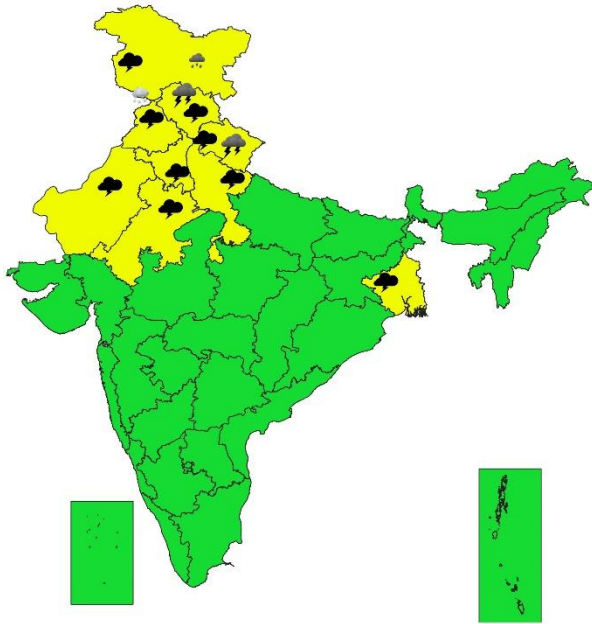
Significant rainfall amount (in cm):

- **Assam & Meghalaya:** Williamnagar (dist East Garo Hills) 12, Cherrapunji(rkm) (dist East Khasi Hills) 10, Karimganj (dist Karimganj) 9, Cherrapunji (dist East Khasi Hills) 8, Tura Kvk (dist West Garo Hills) 6, Mawsynram (dist East Khasi Hills) 5, Chouldhuwaghat Arg (dist Lakhimpur) 4,
- **Odisha:** Chandua Kuliana (dist Mayurbhanj) 10, Suliapada (dist Mayurbhanj) 5, Udala (dist Mayurbhanj) 5, Kaptipada (dist Mayurbhanj) 4, Bangiriposi (dist Mayurbhanj) 3, Batli (dist Bargarh) 3, Sonapur (dist Sonapur) 3, G B Nagar (dist Mayurbhanj) 3, Tarva (dist Sonapur) 3, Bolangir (dist Bolangir) 3,
- **Arunachal Pradesh:** Itanagar (dist Papumpara) 7, Naharlagun (dist Papumpara) 5, Tuting (dist Upper Siang) 3, Bomdila (dist West Kameng) 3, Nachu Arg (dist Upper Subansiri) 3, Tawang_ Aws (dist Tawang) 3, Geku Arg (dist West Siang) 3
- **Sub-Himalayan West Bengal & Sikkim:** North Sikkim-6, East Sikkim-5, North & South Sikkim-4 each, Jalpaiguri, Darzeeling-2 each
- **Gangetic West Bengal:** East Midnapore-6, West Midnapore-5
- **Nagaland, Manipur, Mizoram & Tripura:** Kailashahar Aero (dist Unakoti) 5, Tamenglong (dist Tamenglong) 3, Kolasib Agri (dist Kolasib) 3, Kolasib_aws (dist Kolasib) 3,
- **Bihar:** Champaran, Kishanganj, Madhubani-2 each





SUBDIVISIONWISE WEATHER WARNING FOR DAY 4
29-03-2024

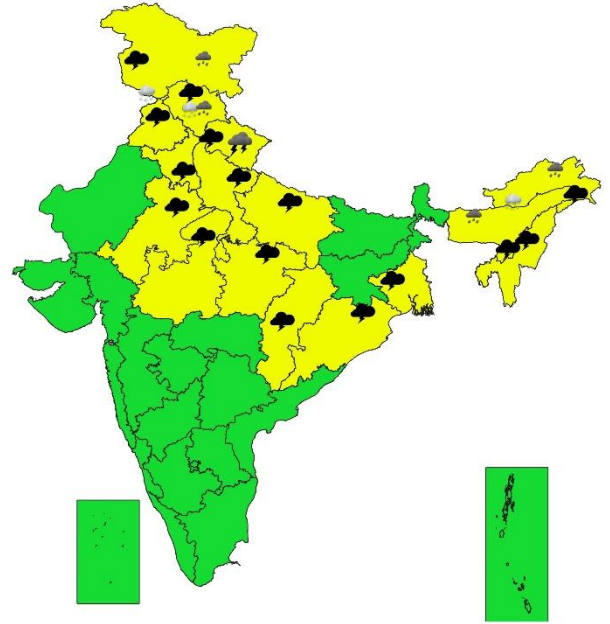


Subdivision Warning

- | | | | |
|------------|--------------|----------------------|---------------------------|
| Fog | Dust Storm | Very Heavy Rain | Subdivision Colour |
| Heavy Rain | Heat Wave | Extremely Heavy Rain | NO WARNING |
| Heavy Snow | Cold Wave | Strong Surface Winds | WATCH (BE UPDATED) |
| Hailstorm | Cold Day | Thunder & Lightning | ALERT (BE PREPARED) |
| | Ground Frost | | WARNING (TAKE ACTION) |



SUBDIVISIONWISE WEATHER WARNING FOR DAY 5
30-03-2024
















Subdivision Warning

- | | | | |
|------------|--------------|----------------------|---------------------------|
| Fog | Dust Storm | Very Heavy Rain | Subdivision Colour |
| Heavy Rain | Heat Wave | Extremely Heavy Rain | NO WARNING |
| Heavy Snow | Cold Wave | Strong Surface Winds | WATCH (BE UPDATED) |
| Hailstorm | Cold Day | Thunder & Lightning | ALERT (BE PREPARED) |
| | Ground Frost | | WARNING (TAKE ACTION) |

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