



Government of India  
Ministry of Earth Sciences  
India Meteorological Department



Press Release

Date: 22<sup>nd</sup> March, 2024

Time of Issue: 1230 hours IST

**Subject: Enhance rainfall with thunderstorm activity likely to continue over Northeast India and Sikkim during 22<sup>nd</sup> to 26<sup>th</sup> March, 2024.**

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

- ❖ **Light to moderate rainfall/snowfall** observed at most places over Arunachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Sub-Himalayan West Bengal & Sikkim; at a few places over Himachal Pradesh and at isolated places over Uttarakhand.
- ❖ **Light to moderate rainfall** observed at most places over Assam & Meghalaya; at many places over Gangetic West Bengal, Nagaland, Manipur, Mizoram & Tripura; at isolated places over Odisha, Jharkhand, Bihar, Punjab, Haryana, Tamil Nadu, Puducherry & Karaikal, Kerala, Coastal Karnataka, South Interior Karnataka, Coastal Andhra Pradesh.
- ❖ **Heavy to very Heavy rainfall** at isolated places over Arunachal Pradesh and **Heavy rainfall** at isolated places over Assam & Meghalaya.
- ❖ **Hailstorm** observed at isolated places over Gangetic West Bengal.
- ❖ **Heat wave conditions** observed in isolated pockets over Saurashtra & Kutch.

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

- ❖ A cyclonic circulation lies over northeast Assam & neighbourhood in lower to middle tropospheric levels. Under the influence of this systems:
  - ✓ Fairly widespread/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 22<sup>nd</sup>-26<sup>th</sup> March, 2024.
  - ✓ Isolated **heavy rainfall/snowfall** very likely over Arunachal Pradesh during 22<sup>nd</sup>, 23<sup>rd</sup>, 25<sup>th</sup> & 26<sup>th</sup>; over Sikkim on 23<sup>rd</sup> and isolated **heavy rainfall** over Assam & Meghalaya 23<sup>rd</sup>, 25<sup>th</sup> & 26<sup>th</sup> March, 2024.
  - ✓ Isolated to scattered light to moderate rainfall with isolated **thunderstorms, lightning** very likely over Gangetic West Bengal on 22<sup>nd</sup>; over Bihar on 23<sup>rd</sup> & 24<sup>th</sup> March.
- ❖ The Western Disturbance now seen as a trough in middle tropospheric westerlies roughly along Long. 70°E to the north of Lat. 32°N. Two fresh Western Disturbances are likely to affect Western Himalayan Region, the first from night of 23<sup>rd</sup> March and the second from night of 26<sup>th</sup> March, 2024. Under their influence:
  - ✓ Isolated to Scattered light rainfall/snowfall with isolated **thunderstorms & lightning** very likely over Himachal Pradesh, Uttarakhand on 22<sup>nd</sup> and over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 22<sup>nd</sup> – 24<sup>th</sup> March, 2024.

- ✓ Isolated to Scattered light rainfall/snowfall likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and Himachal Pradesh on 26<sup>th</sup> & 27<sup>th</sup> and increase in intensity on 28<sup>th</sup> March,2024.
- ✓ Isolated to scattered light rainfall/snowfall over Uttarakhand during 23<sup>rd</sup> – 28<sup>th</sup> March.
- ✓ Isolated light rainfall with isolated **thunderstorms & lightning** very likely over Punjab on 22<sup>nd</sup> March, 2024.
- ✓ Isolated light rainfall likely over Punjab during 22<sup>nd</sup> - 24<sup>th</sup> and over Haryana on 22<sup>nd</sup> & 24<sup>th</sup> and north Rajasthan on 24<sup>th</sup> March, 2024.
- ✓ Strong surface winds are to prevail very likely over Punjab and Haryana during 22<sup>nd</sup> – 24<sup>th</sup> March,2024.

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

- ❖ **Maximum temperatures** are below normal by 8-10°C over many parts of Gangetic West Bengal, Jharkhand; by 4-8°C over East Uttar Pradesh, Bihar, north Odisha, Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura; by 2-4°C over West Uttar Pradesh, Delhi, East Madhya Pradesh, Chhattisgarh, Telangana, Coastal Andhra Pradesh & Yanam. These are above normal by 2-4°C over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh, West Rajasthan, Saurashtra & Kutch, Konkan & Goa and near normal over rest parts of the country.
- ❖ Gradual rise in maximum temperatures by 4-6°C very likely over East India during next 5 days.
- ❖ Gradual rise in maximum temperatures by 2-4°C very likely over Central India during next 72 hours and no large change thereafter.
- ❖ Gradual rise in maximum temperatures by 2-4°C very likely over 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.
- ❖ **Hot and humid weather** very likely to prevail over Rayalaseema, Kerala & Mahe during next 5 days; over Tamil Nadu, Puducherry & Karaikal during next 2 days.

#### Heat wave warning:

- ❖ **Heat wave conditions** very likely in isolated pockets over Saurashtra & Kutch during 22<sup>nd</sup>-26<sup>th</sup> March.

For more details, kindly refer: [https://mausam.imd.gov.in/responsive/all\\_india\\_forecast\\_bulletin.php](https://mausam.imd.gov.in/responsive/all_india_forecast_bulletin.php)

**Significant rainfall amount (in cm):**

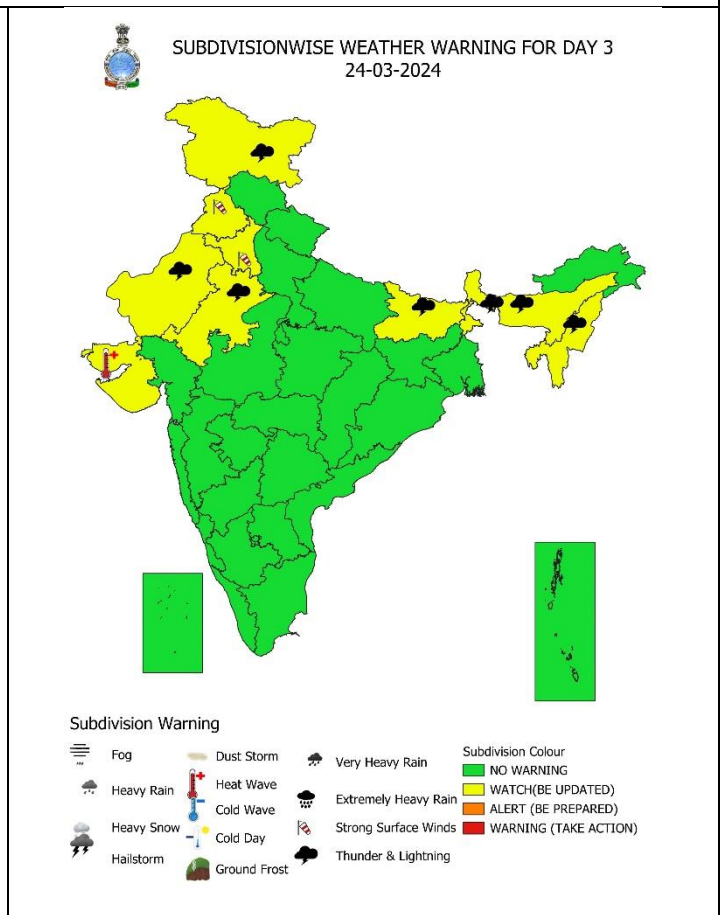
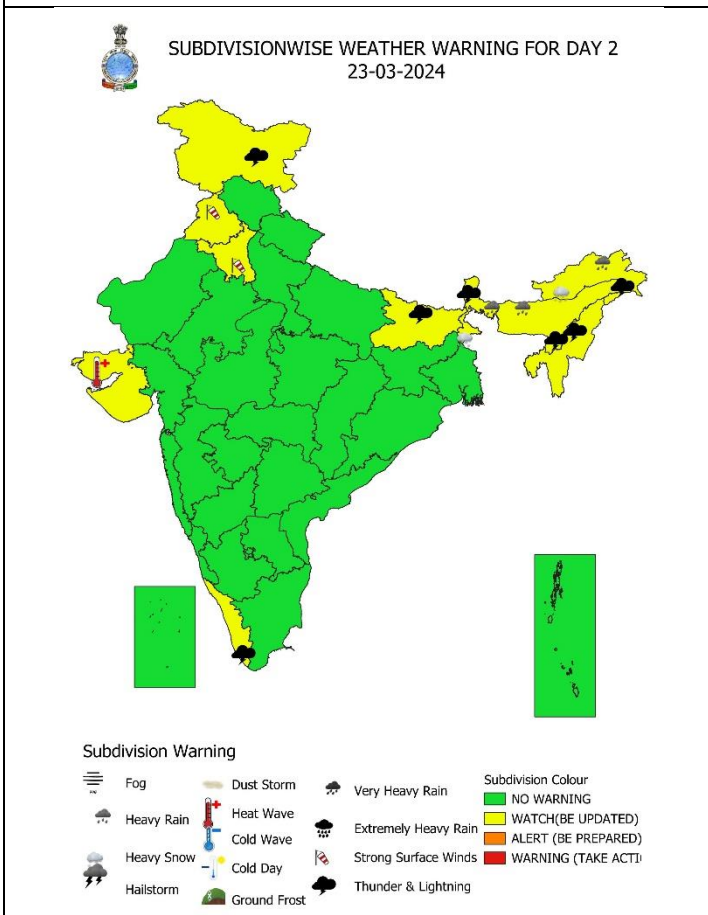
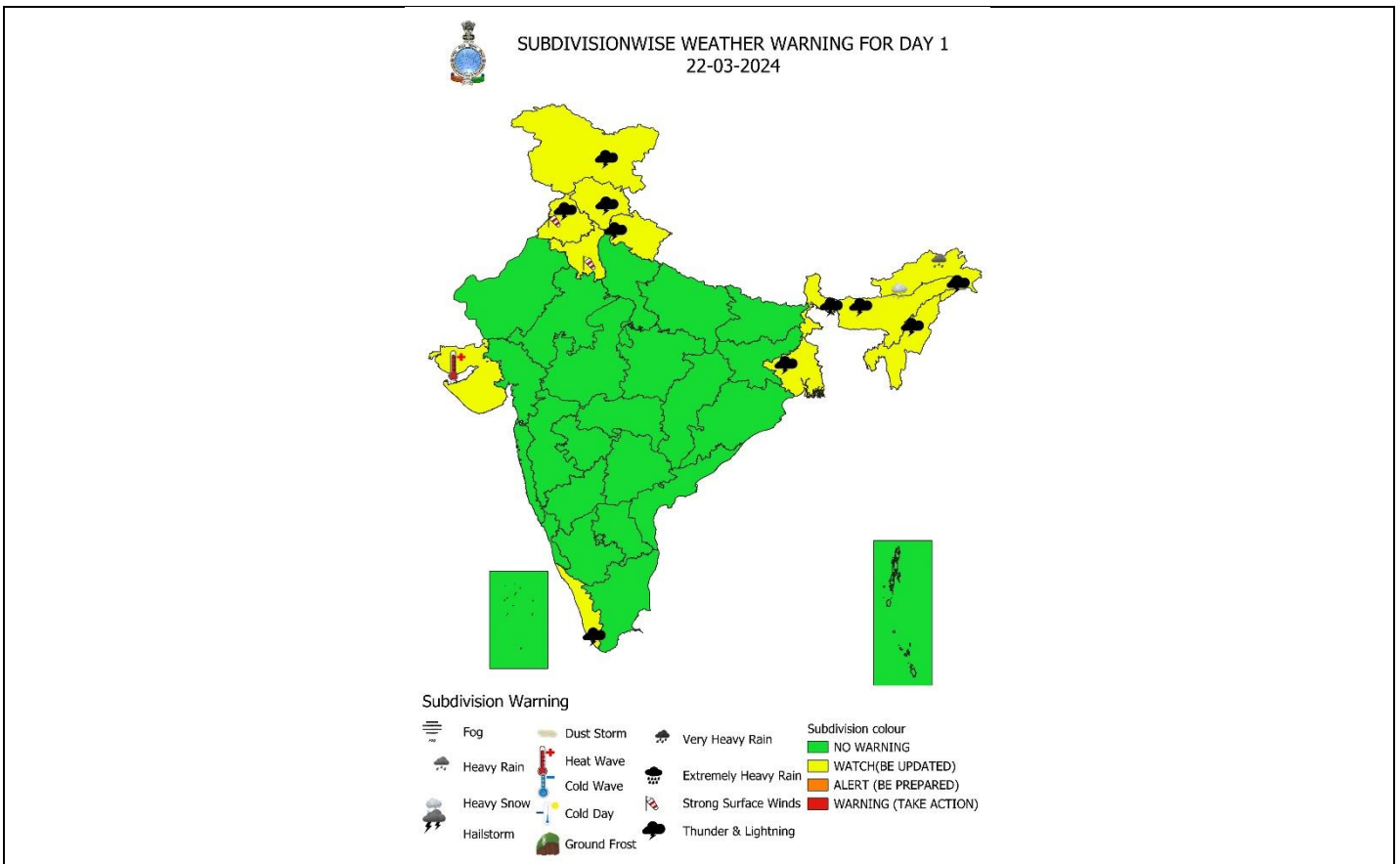
**Sub-Himalayan West Bengal & Sikkim:** Sevoke (dist. Darjeeling) 10, KALIMPONG(dist. Darjeeling), Kalimpong (dist. Darjeeling) 3 each;

**Tamil Nadu:** Nalumukku (Dist. Tirunelveli) 4, Avudayarkoil (Dist. Pudukkottai) 2, Pulipatti (Dist. Madurai) 2;

**Arunachal Pradesh:** Bomdila\_ Aws (dist West Kameng) 9, Kalaktang (dist West Kameng) 4, Bomdila (dist West Kameng) 4, Seppa\_ Aws (dist East Kameng) 3, Kabu Basti (dist West Siang) 3, Itanagar (dist Papumpara) 3, Tawang\_ Aws (dist Tawang) 3, Roing (dist Lower Dibang Valley) 3, Tawang Chamgbu Kvk Aws (dist Tawang) 3, Ziro (dist Lower Subansiri) 2, Nachu Arg (dist Upper Subansiri) 2, Namsai Kvk Aws (dist Lohit) 2, Seppa (dist East Kameng) 2, Ziro\_ Arg (dist Lower Subansiri) 2, Tawang (dist Tawang) 2, Mukto\_arg (dist Tawang) 2, Bameng Circle Aws (dist East Kameng) 2, Kamba Aws (dist West Siang) 2, Daparijo (dist Upper Subansiri) 2;

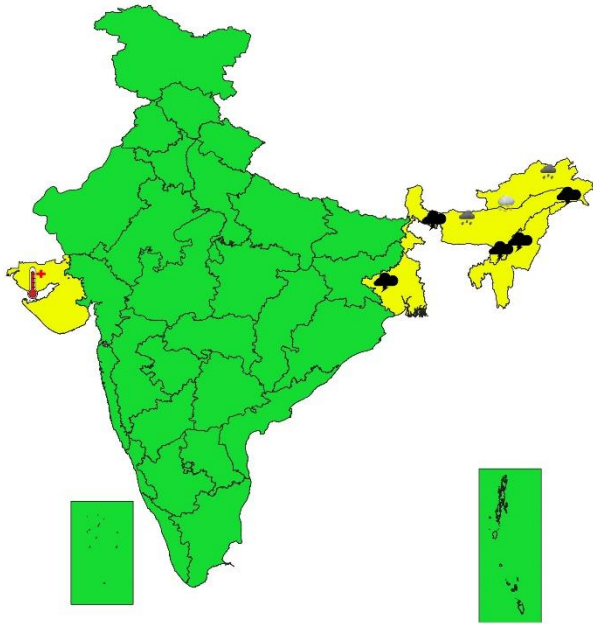
**Assam & Meghalaya:** Dhemaji (dist Dhemaji) 7, Dhekiajuli (dist Shonitpur) 4, Tezpur (dist Shonitpur) 4, Drf (dist Baksa) 4, Williamnagar (dist East Garo Hills) 3, Bhumuraguri (dist Shonitpur) 3, Udalguri\_aws (dist Udalguri) 3, Majbat (dist Udalguri) 3, Ranganadi Nt Xing (dist Lakhimpur) 3, Dalgaon Arg (dist Darrang) 3, Goibargaon (dist Baksa) 3, Badatighat (dist Lakhimpur) 3, Mushalpur\_aws (dist Baksa) 3, N.lakhimpur/lilabari (dist Lakhimpur) 2, Tamulpur Arg (dist Baksa) 2, Lanka Arg (dist Nagaon) 2, Lakhimpur Arg (dist Lakhimpur) 2, Khowang (dist Dibrugarh) 2, Dhansiri Arg (dist Karbi Anglong) 2, Bahalpur (dist Dhubri) 2, Chauldhowaghat (dist Lakhimpur) 2, Majuli (dist Jorhat) 2, Lumding (dist Nagaon) 2;

**Nagaland, Manipur, Mizoram & Tripura:** Tening Nsdma\_aws (dist Peren) 2, Paren (dist Peren) 2, Mangkolemba (dist Mokokchung) 2, Tamenglong (dist Tamenglong) 2, Bishnupur (dist Bishnupur) 2, Wokha Sadar Nsdma\_aws (dist Wokha) 2, Kohima (dist Kohima) 2, Ukhrul (dist Ukhrul) 2, Lamphet\_agri (dist Imphal West) 2, Churachandpur (dist Churachandpur) 2, Kiphire (dist Kiphire) 2;





**SUBDIVISIONWISE WEATHER WARNING FOR DAY 4**  
25-03-2024

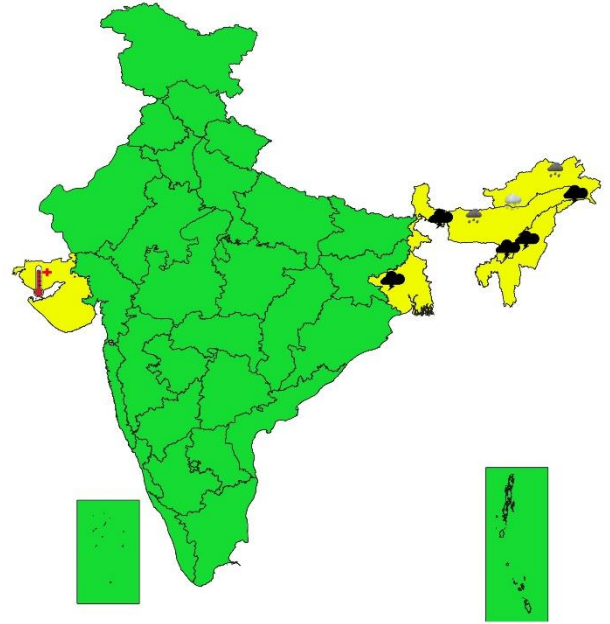


**Subdivision Warning**

- |  |  |  |                           |
|--|--|--|---------------------------|
|  |  |  | <b>Subdivision Colour</b> |
|  |  |  | NO WARNING                |
|  |  |  | WATCH(BE UPDATED)         |
|  |  |  | ALERT (BE PREPARED)       |
|  |  |  | WARNING (TAKE ACTION)     |



**SUBDIVISIONWISE WEATHER WARNING FOR DAY 5**  
26-03-2024
















**Subdivision Warning**

- |  |  |  |                           |
|--|--|--|---------------------------|
|  |  |  | <b>Subdivision Colour</b> |
|  |  |  | NO WARNING                |
|  |  |  | WATCH(BE UPDATED)         |
|  |  |  | ALERT (BE PREPARED)       |
|  |  |  | 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.

<b>SPATIAL DISTRIBUTION</b> (% 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)

<b>Probabilistic Forecast</b>	
Terms	Probability of Occurrence (%)
Unlikely	< 25
Likely	25 - 50
Very Likely	50 - 75
Most Likely	> 75