



Government of India
Ministry of Earth Sciences
India Meteorological Department



Press Release

Date: 23rd March, 2024

Time of Issue: 1330 hours IST

Subject: (i) Enhanced rainfall with thunderstorm activity likely to continue over Northeast India, Sub Himalayan West Bengal and Sikkim during 23rd to 26th March, 2024.
(ii) Enhancement of rainfall with thunderstorm activity over Western Himalayan Region during 26th to 29th 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; at many places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and at isolated places over Uttarakhand, Himachal Pradesh and Sub-Himalayan West Bengal & Sikkim.
- ❖ **Light to moderate rainfall** observed at a few places over Assam & Meghalaya; at isolated places over Nagaland, Manipur, Mizoram & Tripura, Bihar, Punjab, Tamil Nadu, Puducherry & Karaikal, Coastal Karnataka, North Interior Karnataka, Kerala & Mahe.
- ❖ **Heavy rainfall** at isolated places over Arunachal Pradesh, Sikkim and Coastal Karnataka.

Weather Systems and Forecast & Warnings: (Annexure II)

- ❖ A cyclonic circulation lies over northeast Assam & neighbourhood in lower tropospheric levels with a trough aloft roughly along Long. 92°E to the north of Lat. 25°N in lower to middle 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 during 23rd - 29th March, 2024.
 - ✓ Isolated **heavy rainfall/snowfall** very likely over Arunachal Pradesh during 23rd, 25th & 26th; over Sub Himalayan West Bengal and Sikkim on 23rd & 25th and isolated **heavy rainfall** over Assam & Meghalaya 25th & 26th March, 2024.
 - ✓ Isolated to scattered light to moderate rainfall with isolated **thunderstorms, lightning** very likely over Sub-Himalayan West Bengal & Sikkim during 23rd & 26th; over Gangetic West Bengal on 25th & 26th; over Bihar, Jharkhand on 25th March.
- ❖ A trough/wind discontinuity runs from North Kerala to Vidarbha in lower tropospheric levels.
 - ✓ Isolated to scattered light to moderate rainfall with isolated **thunderstorms, lightning** very likely over Kerala, Lakshadweep and coastal Karnataka today.
- ❖ Isolated to Scattered light rainfall/snowfall over Western Himalayan Region on 23rd & 24th with **thunderstorms & lightning** very likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 23rd March.

- ❖ Isolated light rainfall very likely over Punjab on 23rd & 24th; over Haryana on 24th and also accompanied with **thunderstorms & lightning** over Rajasthan on 24th March, 2024.
- ❖ A fresh Western Disturbance is likely to affect Western Himalayan Region from the night of 26th March, 2024. Under its influence:
 - ✓ Isolated to Scattered light rainfall/snowfall with isolated **thunderstorms & lightning** very likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh and Uttarakhand during 26th to 29th 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 below normal by 3-5°C over Jharkhand, Gangetic West Bengal, Bihar ; by 1-3°C over West Uttar Pradesh, Chhattisgarh, Odisha, Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura. These are above normal by 2-4°C over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh, Punjab, Rajasthan, Gujarat Region, Madhya Maharashtra and Konkan & Goa and near normal over rest parts of the country.
- ❖ Gradual rise in maximum temperatures by 3-5°C very likely over East India during next 5 days.
- ❖ Gradual rise in maximum temperatures by 2-3°C very likely over Central India during next 2-3 days.
- ❖ Gradual rise in maximum temperatures by 2-3°C very likely over Northwest India & East 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 23rd -27th; over Tamil Nadu, Puducherry & Karaikal on 23rd & 24th; over Konkan on 26th & 27th March, 2024.

Heat wave warning:

- ❖ **Heat wave conditions** very likely in isolated pockets over Saurashtra & Kutch during 23rd-27th March.

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

Significant rainfall amount (in cm):

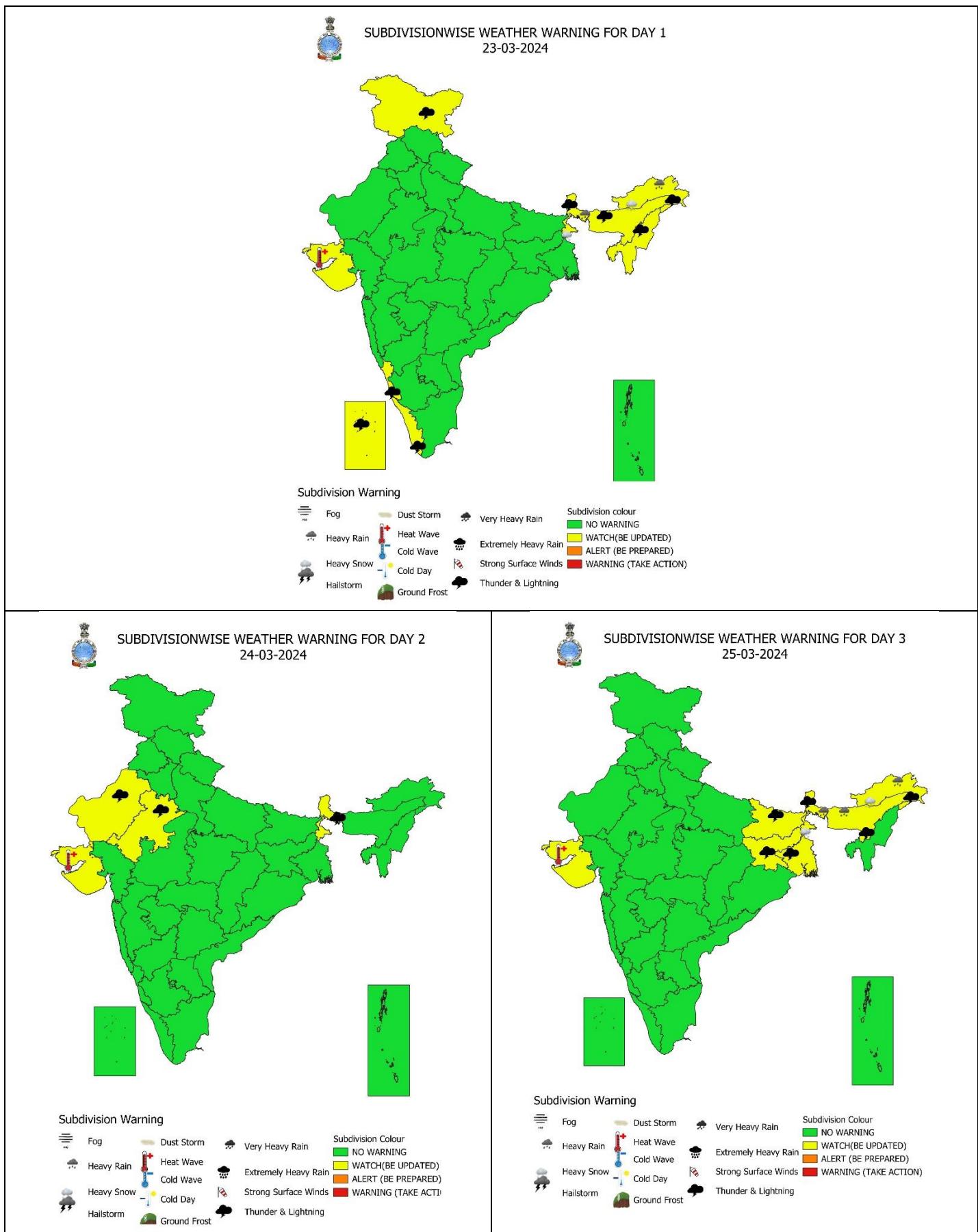
Sub-Himalayan West Bengal & Sikkim: Bagdogra Iaf (dist Darjeeling) 8, Chengmari/diana (dist Jalpaiguri) 6, Nagarkata (dist Jalpaiguri) 6, Hasimara (dist Jalpaiguri) 4, Murti (dist Jalpaiguri) 4, Neora (dist Jalpaiguri) 4, Sevoke (dist Darjeeling) 4, Gajoldoba (dist Jalpaiguri) 3, Majitar (dist East Sikkim) 2, Pakyong (dist East Sikkim) 2, Rongli (dist East Sikkim) 2

Arunachal Pradesh: Miao (dist Changlang) 3, Namsai Kvk Aws (dist Lohit) 2, Seppa_ Aws (dist East Kameng) 2,

Assam & Meghalaya: Beki Mathungari (dist Barpeta) 2,

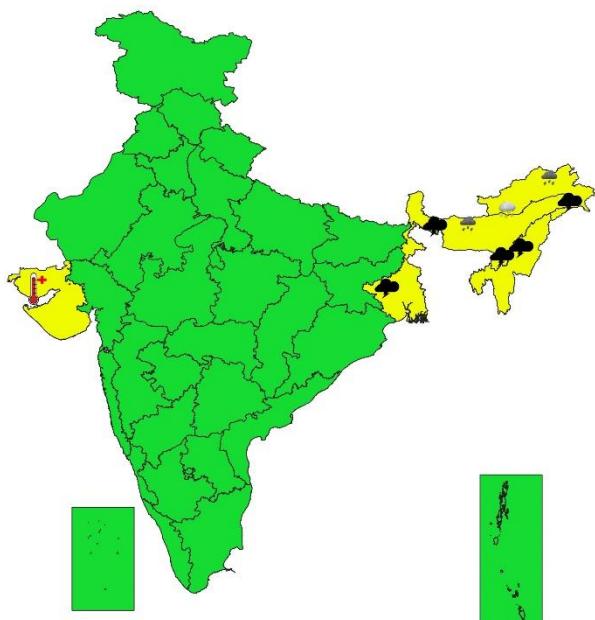
Karnataka: Panambur (dist Dakshina Kannada) 7

Kerala: Thenmala Arg (dist Kollam) 6, Trivandrum Aero (dist Thiruvananthapuram) 5, Airport Chakka Arg (dist Thiruvananthapuram) 4, Keerampara Arg (dist Ernakulam) 2, Seethathode Aws (dist Pathanamthitta) 2,





SUBDIVISIONWISE WEATHER WARNING FOR DAY 4
26-03-2024

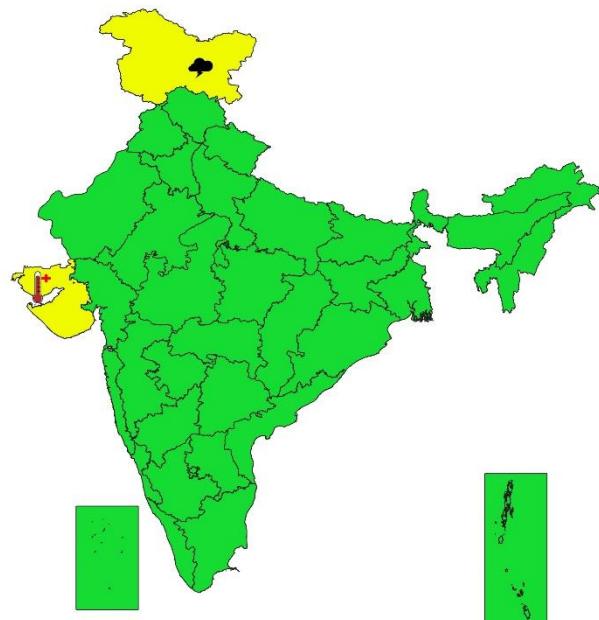


Subdivision Warning

	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		Ground Frost		WARNING (TAKE ACTION)
	Hailstorm						WARNING (TAKE ACTION)



SUBDIVISIONWISE WEATHER WARNING FOR DAY 5
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		Ground Frost		WARNING (TAKE ACTION)
	Hailstorm						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 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