

Government of India
Ministry of Earth Sciences
India Meteorological Department



Press Release

Date: 09th March, 2024

Time of Issue: 1200 hours IST

Subject: Light/moderate scattered to fairly widespread rainfall/snowfall likely over Western Himalayan Region from 11th to 14th and isolated to scattered rainfall over adjoining plains on 13th March, 2024.

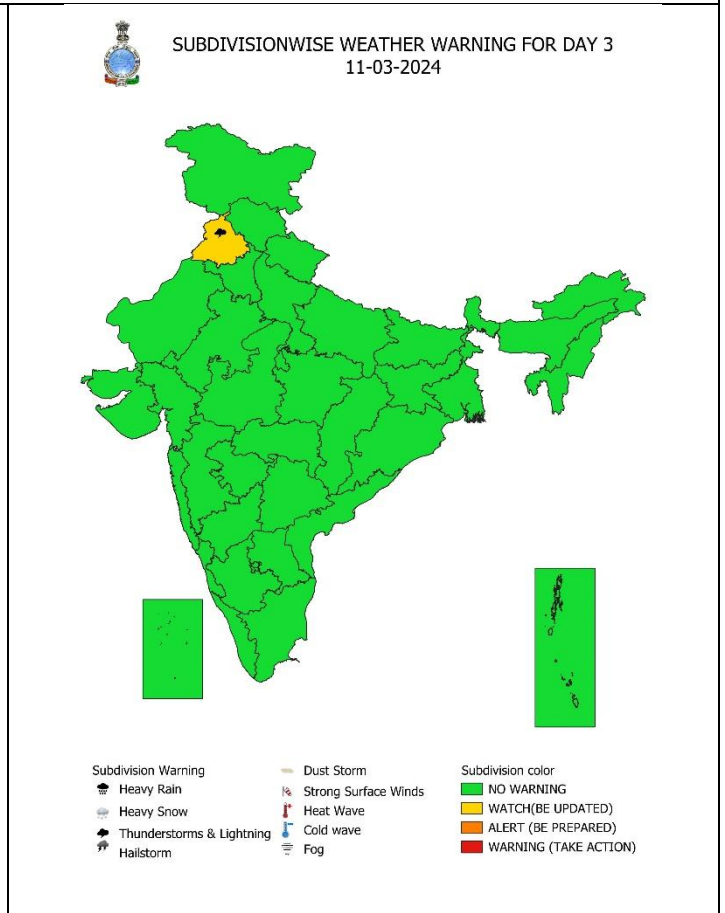
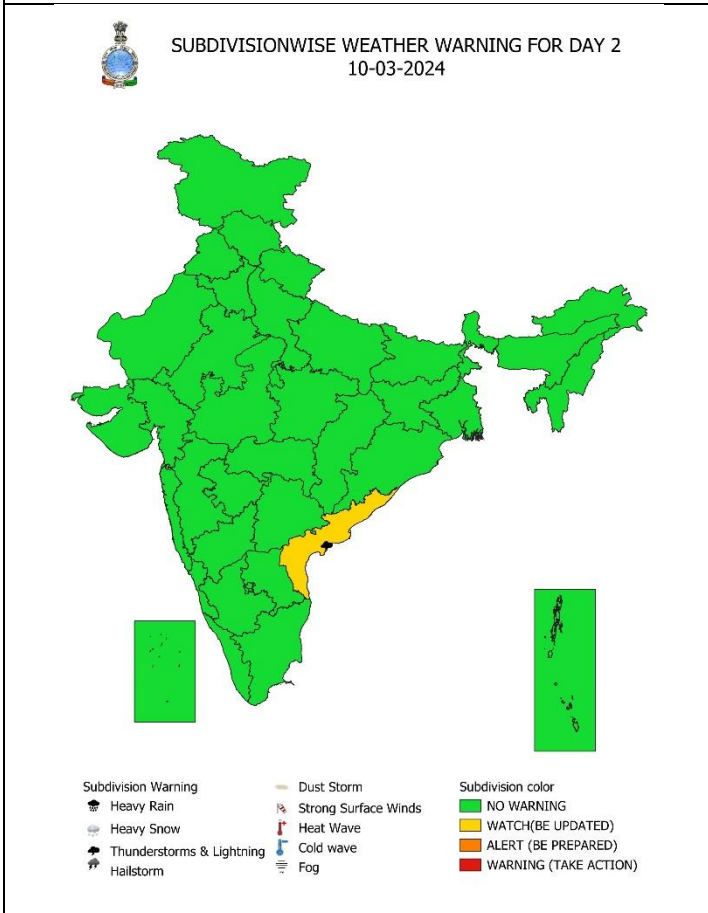
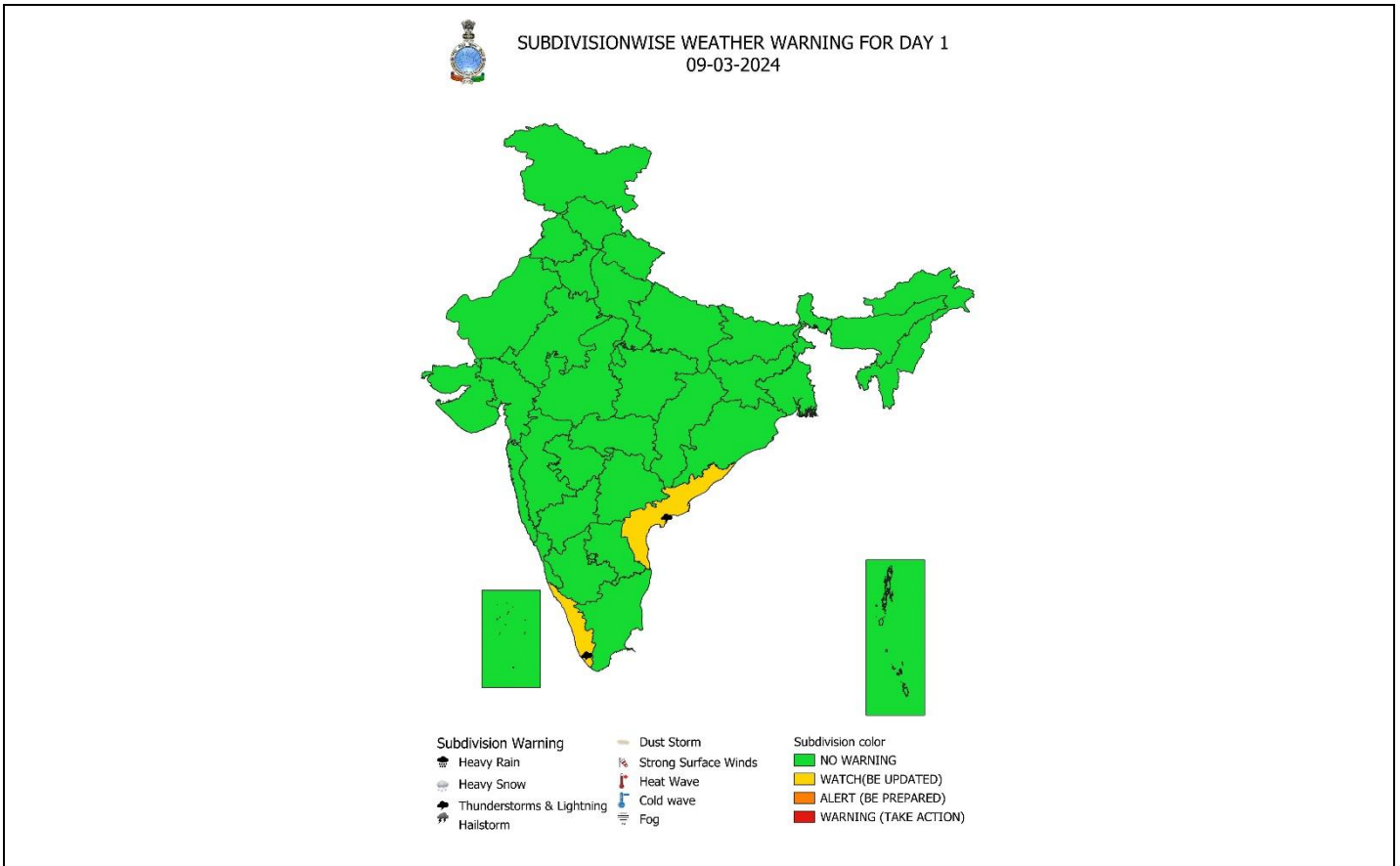
Realised weather during past 24 hours till 0830 hours IST of today:

- ❖ **Light rainfall/snowfall** at a few places over Arunachal Pradesh.
- ❖ **Light/moderate rainfall** at isolated places over Sub-Himalayan West Bengal & Sikkim, Odisha, Coastal Andhra Pradesh & Yanam and Kerala & Mahe.

Weather Systems and Forecast & Warnings: (Annexure I)

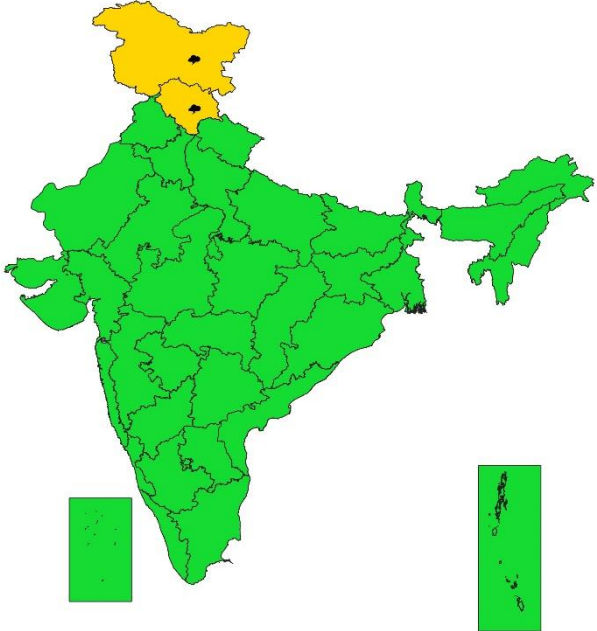
- ❖ A fresh Western Disturbance as a trough in middle tropospheric westerlies runs roughly along Long. 50°E to the north of Lat. 28°N. Another fresh Western Disturbance likely to affect Northwest India from 12th March, 2024. Under the influence of these systems:
 - ✓ Isolated to scattered light/moderate rainfall/snowfall very likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and Himachal Pradesh during 10th-12th & 14th and **widespread light/moderate rainfall/snowfall on 13th March, 2024. Isolated thunderstorm & lightning also likely over the region on 12th & 13th March, 2024.**
 - ✓ Isolated light/moderate rainfall/snowfall very likely over Uttarakhand on 11th & 12th and scattered to fairly widespread light/moderate rainfall/snowfall on 13th & 14th with isolated thunderstorm & lightning on 13th March, 2024.
 - ✓ Isolated to scattered rainfall very likely over Punjab during 11th-14th and over Haryana, Uttar Pradesh & Rajasthan on 13th March, 2024. Isolated thunderstorm & lightning also likely over Punjab on 11th & 13th and over Haryana on 13th March, 2024.
- ❖ **Strong surface winds (25-35 kmph)** very likely to prevail over Uttar Pradesh on 09th March, 2024.
- ❖ Isolated rainfall very likely over Odisha and Sub-Himalayan West Bengal & Sikkim on 09th March, 2024.
- ❖ A trough in westerlies runs roughly along Long. 93°E to the north of Lat. 26°N in lower tropospheric levels. Isolated light rainfall/snowfall very likely over Arunachal Pradesh during 09th-13th and scattered light rainfall/snowfall on 14th & 15th March, 2024. Isolated light rainfall very likely over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura on 13th & 14th March, 2024.
- ❖ Isolated rainfall very likely over Kerala & Mahe during 09th-11th and over north Coastal Andhra Pradesh on 09th & 10th March, 2024.
- ❖ **Hot and humid weather** very likely to prevail over Rayalaseema and Tamil Nadu, Puducherry & Karaikal during next 3 days and Kerala & Mahe during next 2 days. Day temperatures likely to be above normal by 2-3°C.

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





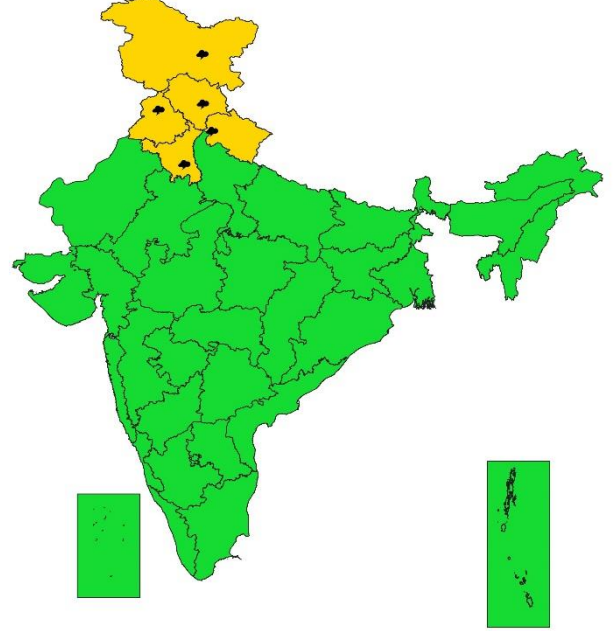
SUBDIVISIONWISE WEATHER WARNING FOR DAY 4
12-03-2024



- | | | |
|-----------------------------|-------------------------|--------------------------|
| 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) |



SUBDIVISIONWISE WEATHER WARNING FOR DAY-5
13-03-2024















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|-----------------------------|-------------------------|--------------------------|
| Subdivision Warning | Dust Storm | Subdivision color |
| ☁️ Heavy Rain | 🌪️ Strong Surface Winds | 🟢 NO WARNING |
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Legends & abbreviations:

- ❖ **Heavy Rain:** 64.5 to 115.5 mm; **Very Heavy Rain:** 115.6 to 204.4 mm; **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