



Government of India
Ministry of Earth Sciences
India Meteorological Department



Press Release

Date: 12th March, 2024

Time of Issue: 1220 hours IST

Subject: Light/moderate rainfall/snowfall likely over Western Himalayan Region during 13th and 14th with peak intensity on 13th March, 2024.

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

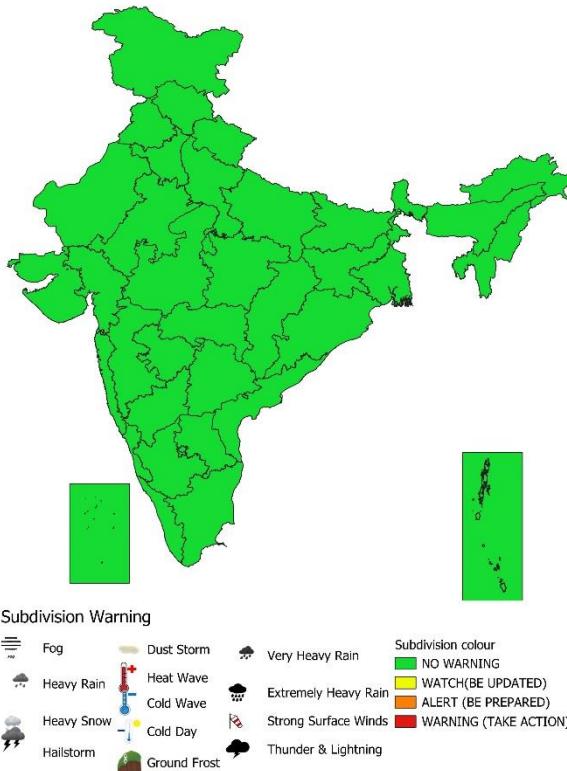
- ❖ **Light rainfall/snowfall** at isolated places over Jammu-Kashmir, Uttarakhand, Himachal Pradesh and Arunachal Pradesh.
- ❖ **Light rainfall** at isolated places over Assam & Meghalaya, Punjab, Kerala & Mahe.
- ❖ **Hailstorm** observed at isolated places over Himachal Pradesh.

Weather Systems and Forecast & Warnings: (Annexure I)

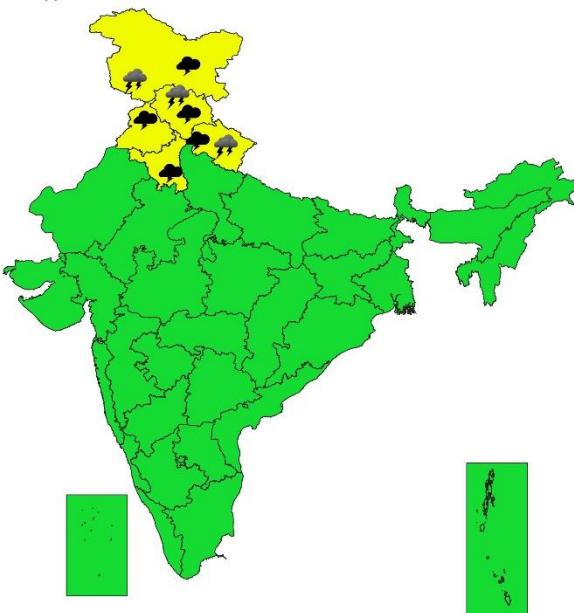
- ❖ A Western Disturbance as a trough in middle tropospheric westerlies runs roughly along Long. 72°E to the north of Lat. 32°N. Another fresh Western Disturbance as a trough in middle tropospheric westerlies runs roughly along Long. 53°E to the north of Lat. 28°N. Under the influence of these systems:
 - ✓ Fairly widespread to widespread light/moderate rainfall/snowfall with isolated thunderstorm, hailstorm & lightning likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh and Uttarakhand on 13th March, 2024 and reduction in distribution and intensity thereafter.
 - ✓ Isolated to scattered light rainfall very likely over Punjab, Haryana, Chandigarh, Northwest Uttar Pradesh & Rajasthan on 13th March, 2024.
- ❖ Isolated to scattered light rainfall very likely over Sub-Himalayan West Bengal & Sikkim during 12th -14th, 16th; Gangetic West Bengal during 13th-17th; over Odisha during 14th-18th; over Jharkhand, East Madhya Pradesh, Vidarbha and Chhattisgarh during 16th- 18th; over West Madhya Pradesh on 18th March, 2024.
- ❖ Isolated to scattered light/moderate rainfall/snowfall very likely over Arunachal Pradesh during next 7 days. Isolated light rainfall very likely over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 12th - 15th March, 2024.
- ❖ **Hot and humid weather** very likely to prevail over Kerala & Mahe, Rayalaseema and Tamil Nadu, Puducherry & Karaikal during next 3 days.

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

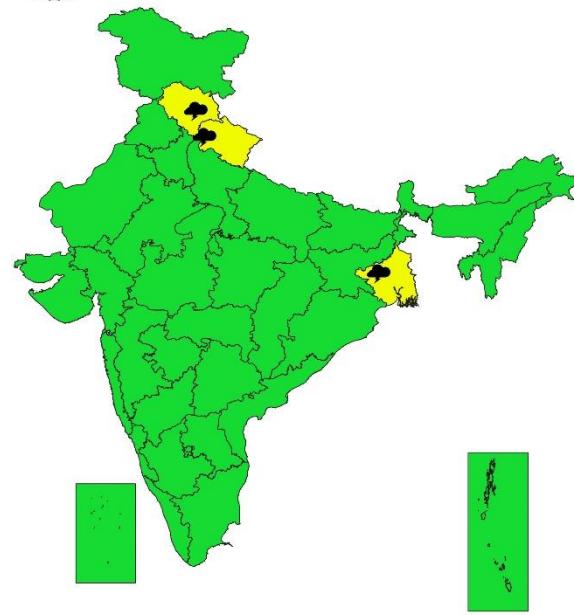
SUBDIVISIONWISE WEATHER WARNING FOR DAY 1
12-03-2024



SUBDIVISIONWISE WEATHER WARNING FOR DAY 2
13-03-2024

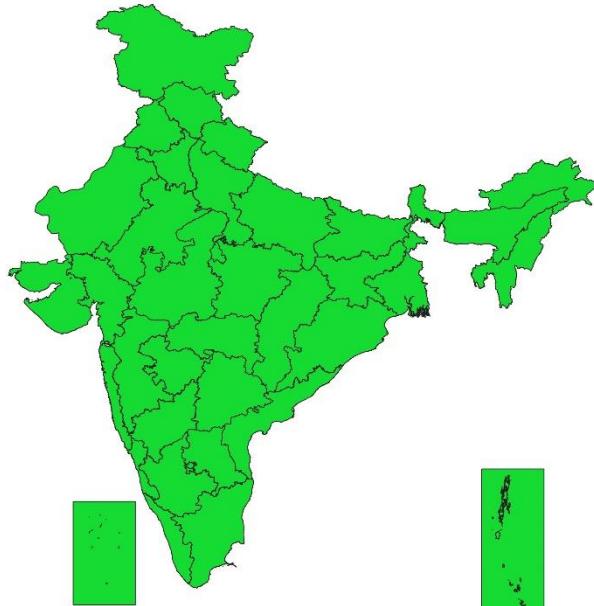


SUBDIVISIONWISE WEATHER WARNING FOR DAY 3
14-03-2024





SUBDIVISIONWISE WEATHER WARNING FOR DAY 4
15-03-2024

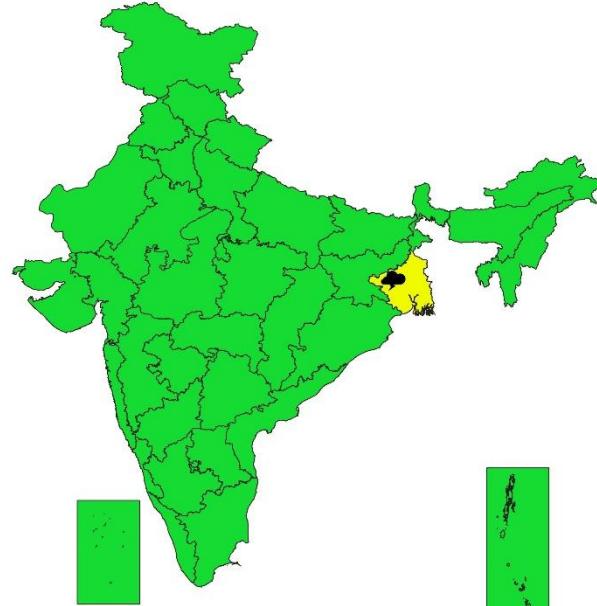


Subdivision Warning

	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)
							WARNING(TAKE ACTION)



SUBDIVISIONWISE WEATHER WARNING FOR DAY 5
16-03-2024



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)
							WARNING(TAKE ACTION)

Impact expected and action suggested due to thunderstorm with lightning & Hailstorm: over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh, Uttarakhand on 13th March,2024.

Impact expected:

- ❖ Strong wind/hail may damage plantation, horticulture and standing crops.
- ❖ Hail may injure people and cattle at open places.
- ❖ Partial damage to vulnerable structures due to strong winds.
- ❖ Minor damage to kutcha houses/walls and huts.
- ❖ Loose objects may fly.

Action suggested:

- ❖ Stay indoors, close windows & doors and avoid travel if possible.
- ❖ Take safe shelters; do not take shelter under trees.
- ❖ Do not lie on concrete floors and do not lean against concrete walls.
- ❖ Unplug electrical/ electronic appliances.
- ❖ Immediately get out of water bodies.
- ❖ Keep away from all the objects that conduct electricity.

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 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