



**Government of India
Ministry of Earth Sciences
India Meteorological Department**

**Press Release
Date: 23rd January, 2023
Time of Issue: 1300 hours IST**

Subject: Enhanced rainfall/snowfall activity with possibility of heavy falls over Western Himalayan Region and rainfall activity over plains of Northwest India mainly during 24th & 25th January, 2023.

Weather observed during past 24 hours ending at 0830 hrs IST of today:

- ❖ **The minimum temperatures** are in the range of 6-10°C over Punjab, Haryana, Chandigarh & Delhi and West Rajasthan and in some parts of East Rajasthan and in isolated pockets over Uttar Pradesh and northwest Madhya Pradesh.
- ❖ **Very dense fog** at isolated pockets observed over Himachal Pradesh, northeast Madhya Pradesh, Bihar and Odisha; **Dense fog** at isolated pockets over Gangetic West Bengal.
- ❖ **Light rainfall/snowfall** occurred at isolated places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad. **Light rainfall** at isolated places over East Uttar Pradesh and Madhya Pradesh.

Weather Systems and associated rainfall/snowfall:

- ❖ **The active Western Disturbance** lies as a cyclonic circulation over East Afghanistan & neighbourhood in lower to upper tropospheric levels. The induced cyclonic circulation lies over southwest Rajasthan & neighbourhood in lower tropospheric levels. The Western Disturbance is very likely to move slowly eastwards and high moisture feed is likely from Arabian Sea to northwest India mainly during 24th & 25th January, 2023. **Under its influence;**
 - ✓ Light to moderate isolated to scattered rainfall very likely over Western Himalayan Region on 23rd; its intensity & distribution is very likely to increase thereafter with fairly widespread to widespread rainfall/snowfall **during 24th to 26th January, 2023. Isolated heavy rainfall/snowfall** also likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh and Uttarakhand on 24th & 25th January, 2023.
 - ✓ Light isolated rainfall very likely over Punjab, Haryana, Chandigarh and Uttar Pradesh on 23rd and increase thereafter with scattered to fairly widespread rainfall accompanied by thunderstorm activity during 24th-26th; Isolated very light rainfall/drizzle also likely over Delhi during 24th-26th January, 2023

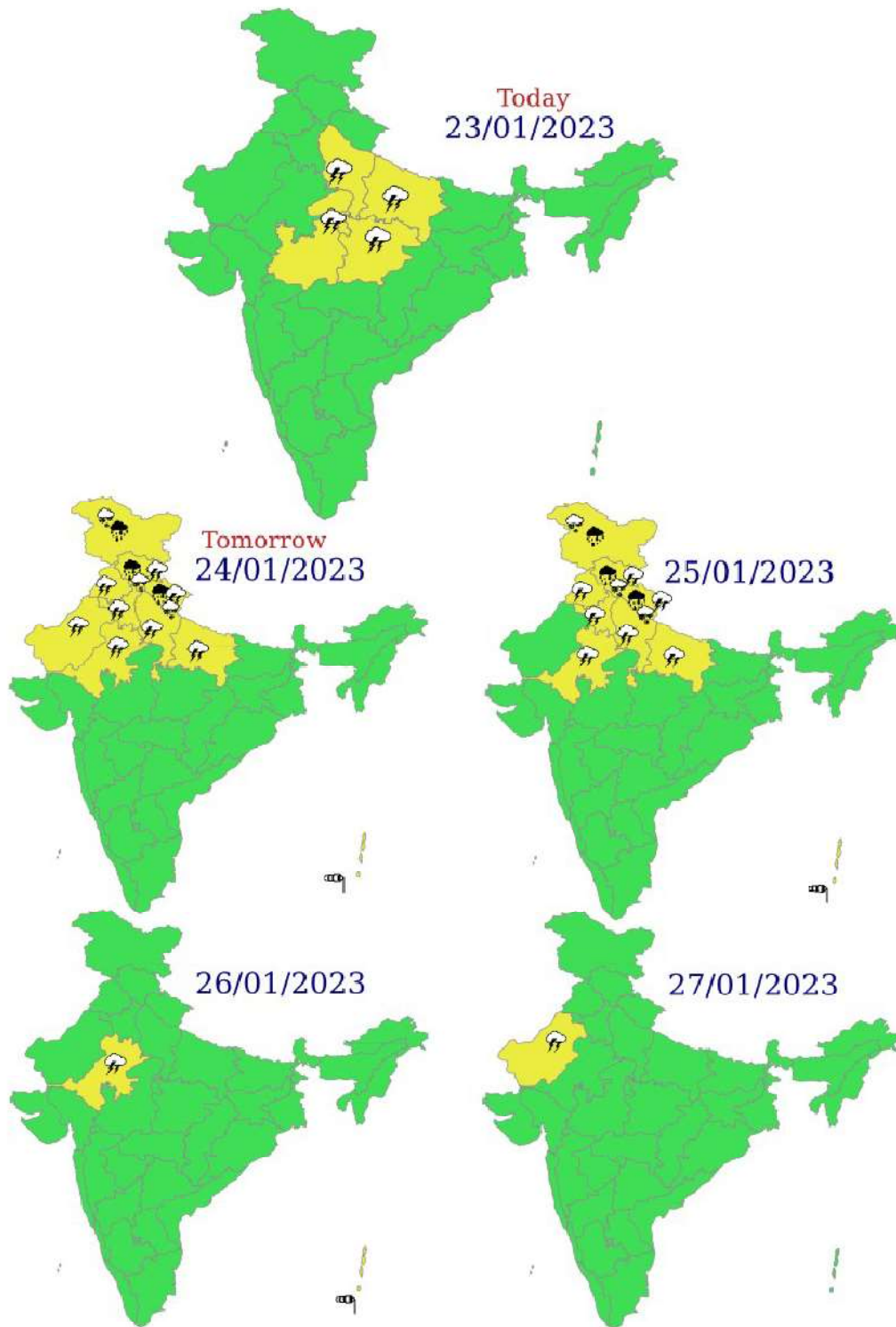
- ✓ Isolated **hailstorm** also likely over Himachal Pradesh, Uttarakhand, Punjab, Haryana & Chandigarh on 24th & 25th; Uttar Pradesh on 25th January, 2023.
- ✓ Light isolated rainfall/thundershower very likely over Uttar Pradesh & East Rajasthan during 23rd-26th and West Rajasthan on 24th & 27th January, 2023. **(Annexure I).**
- ❖ **A fresh Western Disturbance is likely to affect northwest India from night of 27th January, 2023, it is very likely to cause light/moderate fairly widespread to widespread rainfall/snowfall with isolated heavy falls over Western Himalayan Region and light/moderate isolated to scattered rainfall over plains of northwest India on 28th & 29th January, 2023.**

Minimum Temperature Forecast and Fog Warning:

- ❖ Rise in minimum temperatures by 2-3°C over many parts of Northwest India till 24th morning and no significant change thereafter for subsequent 4 days. No significant change in minimum temperatures likely over Gujarat state by 26th January, 2023 and rise by 2-3°C for subsequent 2 days. No significant change in minimum temperatures likely over central & East India during next 5 days.

For more details kindly refer:

https://mausam.imd.gov.in/imd_latest/contents/all_india_forecast_bulletin.php



Legends:

Heavy Rain: 64.5 to 115.5 mm; **Very Heavy Rain:** 115.6 to 204.4 mm;
Extremely Heavy Rain: >204.4 mm.

Region wise classification of meteorological Sub-Divisions:

- 1) **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.
- 2) **Central India:** West Madhya Pradesh, East Madhya Pradesh, Vidarbha and Chhattisgarh.
- 3) **East India:** Bihar, Jharkhand, Sub-Himalayan West Bengal & Sikkim; Gangetic West Bengal, Odisha and Andaman & Nicobar Islands.
- 4) **Northeast India:** Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- 5) **West India:** Gujarat Region, Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra and Marathwada.
- 6) **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)

WARNING

WARNING (TAKE ACTION)
ALERT (BE PREPARED)
WATCH (BE UPDATED)
NO WARNING (NO ACTION)

Probabilistic Forecast

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

 Heavy Rain	 Heavy Snow	 Thunderstorm	 Dust Storm
 Strong Winds	 Visibility	 Cyclone	 Squall/ Hail
 Frost	 Cold Wave	 Heat Wave	 Sea State