



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release
Date: 24th January, 2023
Time of Issue: 1245 hours IST

Subject: (i) Enhanced rainfall/snowfall activity with possibility of heavy falls over Western Himalayan Region and rainfall activity over plains of Northwest India during next 2 days.
(ii) A fresh Western Disturbance is likely to affect northwest India from night of 27th 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 most parts of Punjab; many parts of Haryana, Chandigarh and West Rajasthan; some parts of East Rajasthan and isolated pockets of West Uttar Pradesh & Delhi.
- ❖ **Dense to very dense Fog** observed in isolated pockets over Rajasthan, East Madhya Pradesh, Bihar and Gangetic West Bengal.
- ❖ **Light rainfall/snowfall** occurred at isolated places over Jammu & Kashmir, Himachal Pradesh and Uttarakhand. **Light rainfall** at a few places Tamilnadu, Puducherry & Karaikal; isolated places over Punjab, Haryana & Chandigarh, Uttar Pradesh, East Rajasthan, West Madhya Pradesh and Kerala & Mahe.

Weather Systems and associated rainfall/snowfall:

- ❖ **The 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, there is high moisture feeding from Arabian Sea to northwest India on today and likely to continue till tomorrow, the 25th January, 2023. Under its influence;
 - ✓ Light to moderate fairly widespread to widespread rainfall/ snowfall very likely over Western Himalayan Region on 24th & 25th January, 2023. **Isolated heavy rainfall/snowfall** also very likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh on 24th and Uttarakhand on 24th & 25th January, 2023.
 - ✓ Light scattered to fairly widespread rainfall accompanied by thunderstorm activity very likely over Punjab, Haryana, Chandigarh and Uttar Pradesh on 24th & 25th; Isolated very light rainfall/drizzle also likely over Delhi on 24th & 25th January, 2023

- ✓ Isolated **hailstorm** also likely over Jammu Division, Himachal Pradesh, Punjab, Haryana & Chandigarh on 24th; Uttarakhand, West Uttar Pradesh on 24th & 25th January, 2023.
- ✓ Light isolated rainfall/thundershower very likely over Uttar Pradesh & East Rajasthan during 24th-28th and West Rajasthan on 24th & 28th 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 over Western Himalayan Region and light/moderate isolated to scattered rainfall over plains of northwest India on 28th & 29th January, 2023. Isolated heavy rainfall/snowfall over Western Himalayan Region 29th January, 2023**

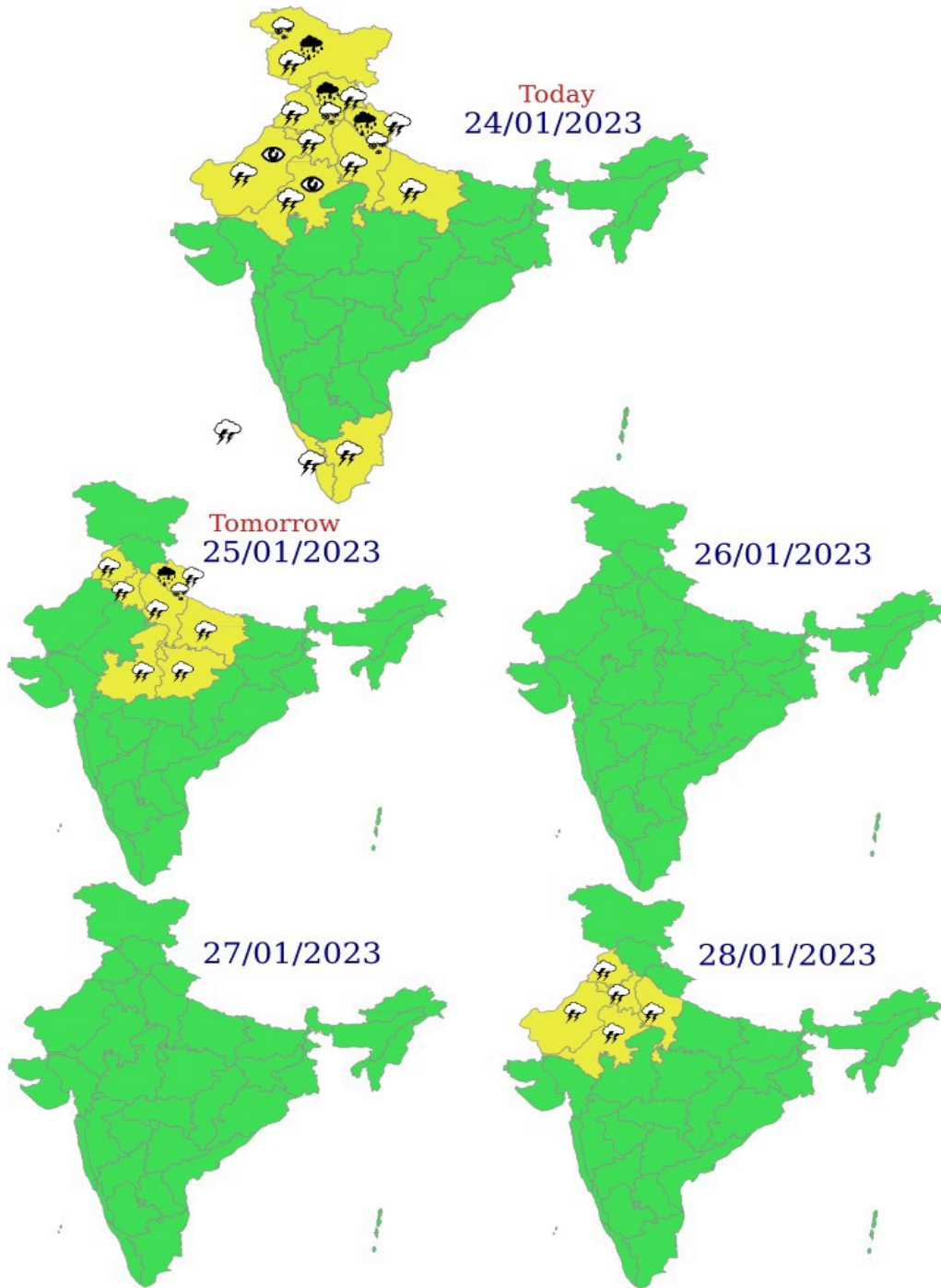
Minimum Temperature Forecast and Fog Warning:

- ❖ No significant change in minimum temperatures likely over most parts of Northwest India till 26th; fall by 2-3°C for subsequent 2 days and rise by 3-5°C thereafter for subsequent 2 days. No significant change in minimum temperatures likely over Gujarat state during next 2 days and rise by 2-3°C for subsequent 3 days. No significant change in minimum temperatures likely over rest parts of the country during next 4-5 days.

For more details kindly refer:

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

Annexure I



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