



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release
Date: 22nd January, 2023
Time of Issue: 1200 hours IST

Subject: Enhanced rainfall/snowfall activity with possibility of heavy falls over Western Himalayan Region and rainfall activity over plains of Northwest India during 24th to 26th 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 many parts of Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh and West Rajasthan and in isolated pockets of Bihar, East Rajasthan and northwest Madhya Pradesh.
- ❖ **Dense to very dense fog** observed in isolated pockets over Himachal Pradesh and Odisha and **dense fog** in isolated pockets over northeast Madhya Pradesh and Gangetic West Bengal.
- ❖ **Light rainfall/snowfall** occurred at many places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad; at isolated places over Himachal Pradesh. **Light rainfall** at isolated places over East Uttar Pradesh, East Madhya Pradesh and Tamil Nadu.

Weather Systems and associated rainfall/snowfall:

- ❖ **The active Western Disturbance** lies as a cyclonic circulation over Afghanistan & neighbourhood in lower & middle tropospheric levels. An induced cyclonic circulation lies over southwest Rajasthan & neighbourhood. The Western Disturbance is very likely to move slowly eastwards and with high moisture feeding from Arabian Sea into western Himalayan Region at lower & middle tropospheric levels during 24th to 26th January, 2023.
 - ✓ Light to moderate isolated to scattered rainfall very likely over Western Himalayan Region on 22nd & 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 and Himachal Pradesh on 24th & 25th and over Uttarakhand on 25th & 26th January, 2023.
 - ✓ Light isolated rainfall very likely over Punjab, Haryana, Chandigarh & Delhi and Uttar Pradesh on 23rd and increase thereafter with scattered to fairly

widespread rainfall accompanied by thunderstorm activity during 24th-26th January, 2023.

- ✓ Isolated **hailstorm** also likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 24th; Himachal Pradesh on 24th & 25th; West Uttar Pradesh on 25th; Uttarakhand, Punjab, Haryana & Chandigarh during 24th-26th January, 2023.
- ✓ Light isolated rainfall/thundershower very likely over north Rajasthan and Madhya Pradesh during 24th-26th January, 2023. (**Annexure I**).
- ❖ **A fresh Western Disturbance is likely to affect northwest India from 27th January, 2023.**

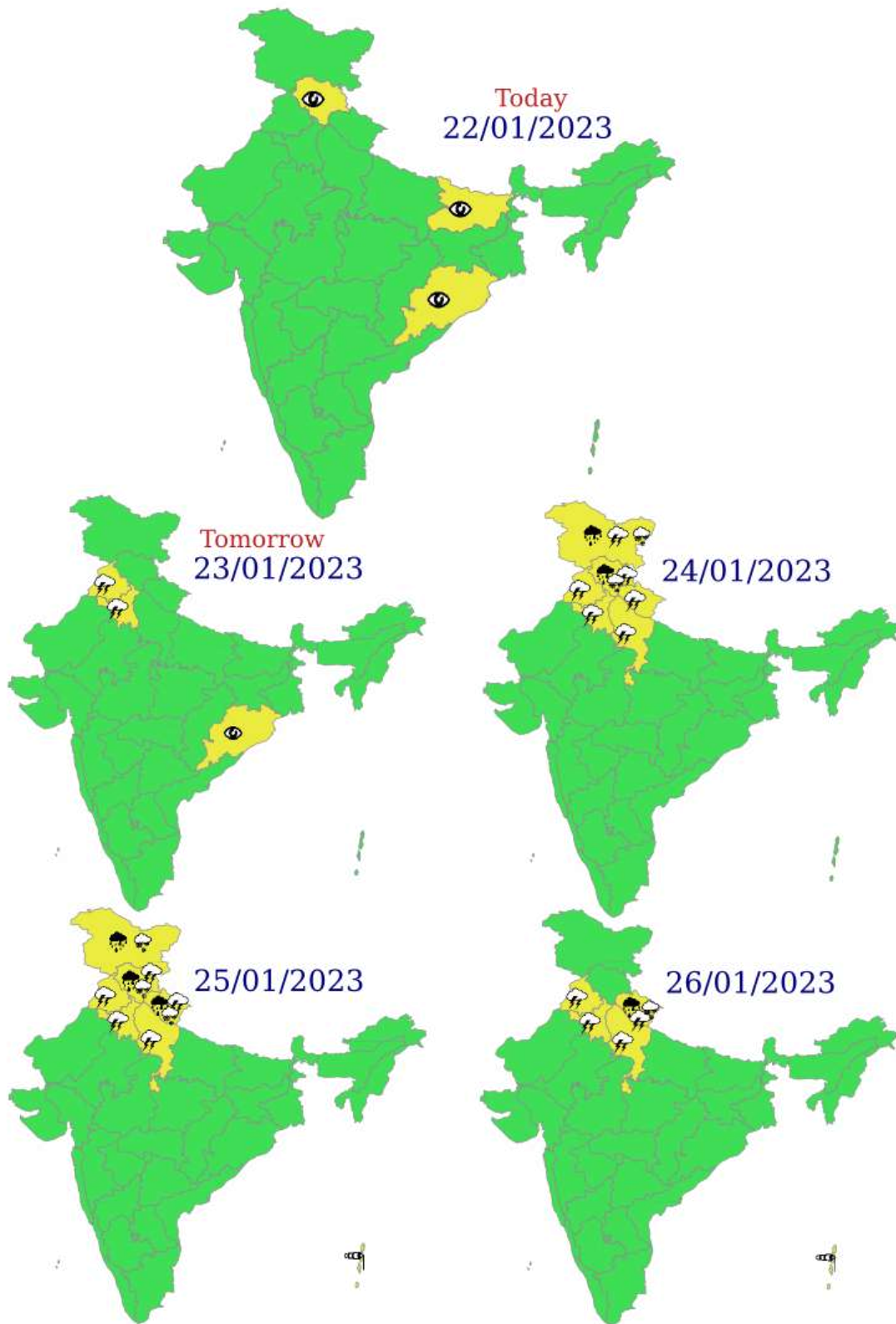
Minimum Temperature Forecast and Fog Warning:

- ❖ No significant change in minimum temperatures likely over most parts of northwest & central India during next 5 days. Rise in minimum temperatures by 2-3°C over many parts of East India during next 3 days and no significant change thereafter.
- ❖ **Dense fog** very likely in isolated pockets during night & morning hours over Himachal Pradesh and Bihar during next 24 hours and Odisha during next 48 hours.

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

