



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

Press Release

Date: 05th February, 2023

Time of Issue: 1200 hours IST

Subject: A fresh Western Disturbance likely to cause scattered to fairly widespread rainfall/snowfall over Western Himalyan Region during 8th to 10th February, 2023.

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

- ❖ **Light to moderate rainfall** observed at many places over Andaman & Nicobar Islands and **light rainfall** at isolated places over Arunachal Pradesh, Sub-Himalayan West Bengal-Sikkim, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.
- ❖ **Significant rainfall observed (in cm): Andaman & Nicobar Islands:** Nancowry-2; Car Nicobar-1; **Tamil Nadu:** Palayankottai-1.
- ❖ **The minimum temperatures** are in the range of 8-10°C over some parts of plains of Northwest, Central and East India. The **Lowest Minimum temperature** of 5.3°C has been observed over **Malanjkhanda (East Madhya Pradesh)**.
- ❖ **Dense to very Dense Fog** observed in isolated pockets over Uttarakhand, north Uttar Pradesh and Sub-Himalayan West Bengal.
- ❖ **Cold Wave conditions** observed in isolated pockets over Odisha.

Western Disturbances and associated rainfall/snowfall:

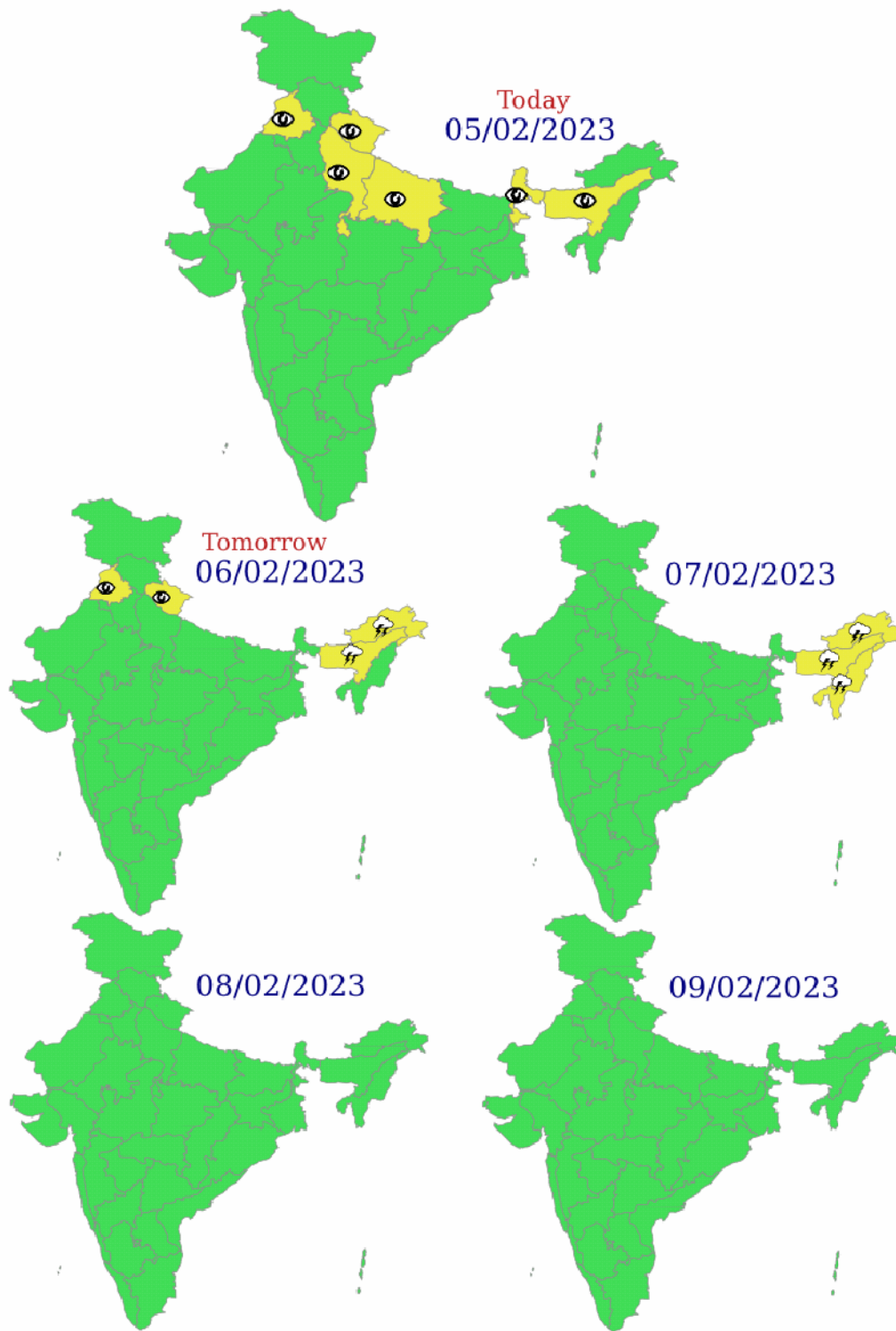
- ❖ A fresh Western Disturbance seen as a trough in middle tropospheric westerlies roughly along Long. 55°E to the north of Lat. 30°N. Under its influence, **light isolated to scattered rainfall/snowfall** very likely over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh on 05th & 06th Feb and over Uttarakhand on 06th February.
- ❖ Another Western Disturbance is likely to affect Western Himalayan Region from the night of 08th February. Under its influence, **light isolated to fairly widespread rainfall/snowfall** very likely over Western Himalayan Region during 08th to 10th February.
- ❖ **Thunderstorm with lightning & hail** very likely in isolated pockets over Arunachal Pradesh and Assam & Meghalaya during 06th-07th February.

Minimum Temperature and Dense fog Forecast:

- ❖ **Rise in minimum temperatures by about 2-3°C very likely over many parts of Northwest India during next 24 hours, no significant change for subsequent 2 days and rise by 2-4°C thereafter.** Gradual rise in minimum temperatures by 2-4°C very likely over many parts of Central India during next 3 days and gradual fall by 2-4°C during subsequent 2 days. No significant change in minimum temperatures very likely over rest parts of the country during next 4-5 days.
- ❖ **Dense fog** very likely in isolated pockets during night/morning hours over Uttarakhand and Punjab during next 48 hours and over Uttar Pradesh, Bihar and Assam & Meghalaya during next 24 hours.

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