



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

Press Release

Date: 08th February, 2022

Time of Issue: 1200 hrs IST

Subject: Wet Spell over Western Himalayan Region and plains of Northwest India on 08th & 09th February and over East India on 09th & 10th February, 2022.

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

- **Minimum temperatures** are above normal by 2-4°C over most parts of plains of northwest (excluding Uttar Pradesh) and below normal by 2-3°C over most parts of Uttar Pradesh, central & east India.
- **Cold Day** conditions prevailed in some parts of terai belt of Uttar Pradesh.
- **Dense to very dense fog in isolated pockets** occurred over East Uttar Pradesh and Punjab and **dense fog** in isolated pockets over West Uttar Pradesh, North Rajasthan and Sub-Himalayan West Bengal & Sikkim.

Weather Systems and associated forecast & warnings:

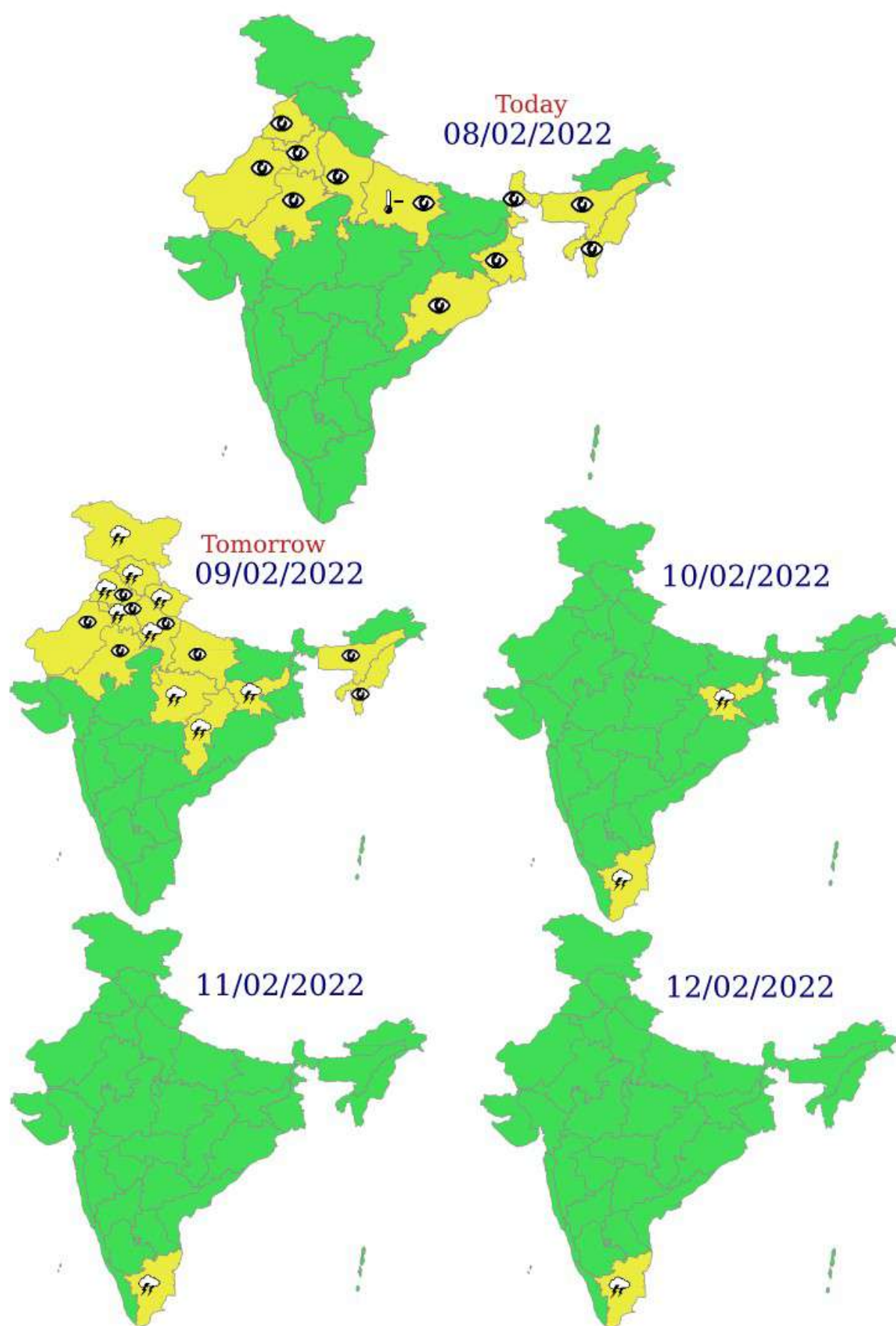
- The Western Disturbance as cyclonic circulation lies over north Pakistan & neighbourhood with its axis at 3.1 km above mean sea level. The induced cyclonic circulation lies over northeast Rajasthan & neighbourhood in lower tropospheric levels. Under its influence; isolated light rainfall/snowfall very likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and Himachal Pradesh during next 24 hours.
- **A fresh Western Disturbance as a trough in middle & upper tropospheric westerlies runs along Long. 58°E to the north of Lat. 30°N. Under its influence, an induced cyclonic circulation likely to form over West Rajasthan & neighbourhood by tonight; it is very likely to cause:**
 1. Scattered to fairly widespread light/moderate rainfall/snowfall with thunderstorm & lightning over Western Himalayan Region (over Jammu, Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh and Uttarakhand) during night of 08th and on 09th February, 2022.
 2. Scattered to fairly widespread rainfall likely over Punjab, Haryana-Chandigarh-Delhi, Uttar Pradesh and north Rajasthan on 09th February.
 3. Scattered to fairly widespread light/moderate rainfall very likely over West Bengal-Sikkim & Jharkhand and isolated rainfall likely over Bihar & Odisha on 09th & 10th February, 2022.

Fog and Cold Day Warning:

- No significant change in minimum temperatures very likely over most parts of Northwest India during next 24 hours and gradual fall by 2-4°C thereafter.
- Gradual rise in minimum temperatures by 2-4°C very likely over most parts of Central India during next 24 hours and fall by 2-4°C thereafter.
- Gradual rise in minimum temperatures by 2-3°C very likely over most parts of East India during next 3 days and gradual fall by 2-3°C during next 2 days.
- No significant change in minimum temperatures very likely over Gujarat during next 24 hours and gradual fall by 2-4°C during subsequent 3 days.
- **Dense Fog Conditions** very likely in isolated/some parts in night/morning hours over Punjab, Haryana-Chandigarh-Delhi, Uttar Pradesh, north Rajasthan, Assam-Meghalaya and Nagaland-Manipur-Mizoram-Tripura during next 2 days and over West Bengal-Sikkim & Odisha during next 24 hours.
- **Cold Day Conditions** very likely in isolated pockets over East Uttar Pradesh during next 24 hours and abate thereafter.

For more details refer:

https://mausam.imd.gov.in/imd_latest/contents/subdivisionwise-warning.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:** Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad; Himachal Pradesh, 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)



Heavy Rain



Strong Winds

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



Thunderstorm with Lightning



Visibility/Fog



Cold wave/Cold day



Frost