



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

**Press Release**

**Date: 25<sup>th</sup> January, 2023**

**Time of Issue: 1315 hours IST**

**Subject: (i) Continuation of enhanced rainfall/snowfall activity over Western Himalayan Region and rainfall activity over plains of Northwest India during next 24 hours and decrease thereafter.**

**(ii) A fresh Western Disturbance is likely to affect northwest India from 28<sup>th</sup> January, 2023.**

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

- ❖ **As predicted, heavy rainfall/snowfall** occurred at isolated places over Himachal Pradesh. **Heavy rainfall** occurred at isolated places over Kerala & Mahe.
- ❖ **Light to moderate rainfall/snowfall** occurred at most places over Jammu, Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand and **Light to moderate rainfall** at most places over Kerala & Mahe, Lakshadweep; at many places over Punjab; at a few places over Haryana, Chandigarh, West Uttar Pradesh and at isolated places over East Uttar Pradesh, Rajasthan, Madhya Pradesh, Madhya Maharashtra, Marathawada, Interior Karnataka, Tamilnadu, Andaman & Nicobar Islands.
- ❖ **The minimum temperatures** are in the range of 6-10°C over most parts of West Rajasthan; some parts of Delhi, East Rajasthan and isolated pockets of Haryana.
- ❖ **Very Dense fog** observed in isolated Pockets over Himachal Pradesh, Haryana and **Dense fog** in isolated pockets over Punjab, East Rajasthan, East Uttar Pradesh.

**Weather Systems and associated rainfall/snowfall:**

- ❖ The Western Disturbance lies as a cyclonic circulation over north Pakistan & adjoining Afghanistan in lower to middle tropospheric levels. The induced cyclonic circulation lies over Punjab & neighbourhood and a trough runs from west Vidarbha to Punjab across Madhya Pradesh, East Rajasthan & Haryana in lower tropospheric levels. Under the influence of these systems:
  - ✓ **Light to moderate fairly widespread to widespread rainfall/ snowfall** very likely to continue over Western Himalayan Region on 25<sup>th</sup> January. **Isolated heavy rainfall/snowfall** also very likely over Himachal Pradesh and **Isolated hailstorm** also likely over Uttarakhand on 25<sup>th</sup> January.

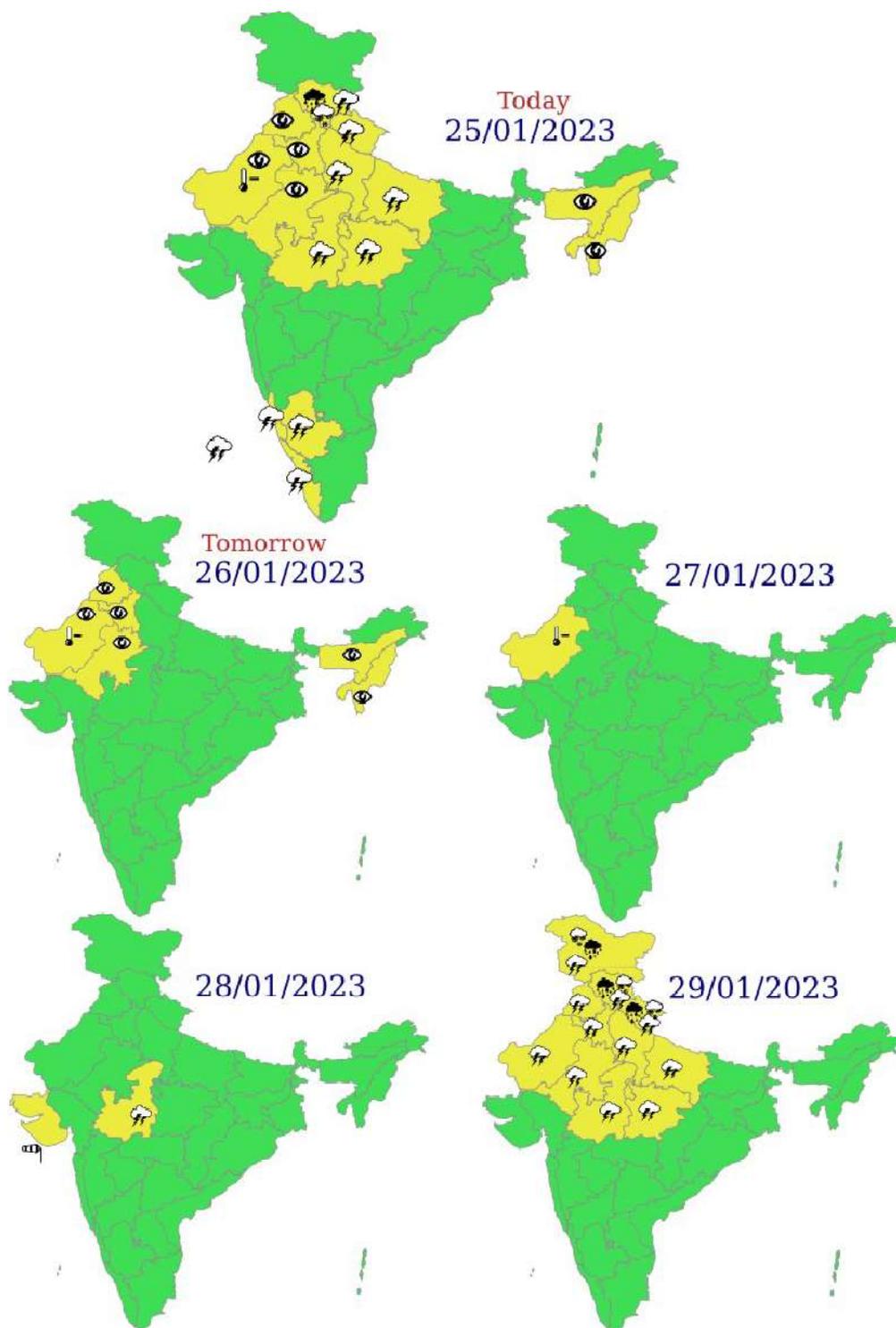
- ✓ **Light isolated to scattered rainfall accompanied by thunderstorm** activity very likely over Uttar Pradesh and Madhya Pradesh; isolated rainfall over Maharashtra on 25<sup>th</sup> January. **(Annexure I)**.
- ❖ A fresh Western Disturbance is likely to affect northwest India from 28<sup>th</sup> 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 28<sup>th</sup> & 29<sup>th</sup> January, 2023. **Isolated heavy rainfall/snowfall** over Western Himalayan Region and **isolated hailstorm** over Uttarakhand on 29<sup>th</sup> January, 2023.
- ❖ A cyclonic circulation lies over east Equatorial Indian Ocean & adjoining Southeast Bay of Bengal in lower tropospheric levels. Under its influence, a **Low Pressure Area** is likely to form over Southeast Bay of Bengal & adjoining east Equatorial Indian Ocean around 27<sup>th</sup> January, 2023. It is likely to move west-north-westwards slowly during subsequent 3 days.

#### **Minimum Temperature Forecast and Fog Warning:**

- ❖ No significant change in minimum temperatures likely over most parts of Northwest India during next 24 hours, fall by 2-4°C for subsequent 2 days and rise by 3-5°C thereafter for subsequent 2 days. No significant change in minimum temperatures likely over rest parts of the country during next 5 days.
- ❖ Dense fog conditions very likely in isolated pockets in morning hours over Punjab, Haryana, north Rajasthan, Assam and Tripura during next 48 hours.
- ❖ Cold Wave conditions very likely in isolated pockets over West Rajasthan during next 3 days.

For more details kindly refer:

[https://mausam.imd.gov.in/imd\\_latest/contents/all\\_india\\_forecast\\_bulletin.php](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.

| <b>SPATIAL DISTRIBUTION</b> (% 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    |