



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

**Press Release
Date: 28th February, 2023
Time of Issue: 1300 hours IST**

Subject: Wet Spell over Western Himalayan Region and adjoining plains during 28th February to 02nd March, 2023.

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

- ❖ **Maximum temperatures** are in the range of 34-37 °C over some parts of southwest Madhya Pradesh, southwest Rajasthan, Odisha, Telangana and Tamil Nadu; and most parts of Gujarat, Maharashtra and Kerala. It is in the range of 29-33 °C over many parts of Punjab, Haryana, Delhi, UP and Rajasthan.
- ❖ **Maximum temperatures** are above normal by 3-5°C over most parts of northwest India including Punjab, Haryana, Rajasthan and Uttar Pradesh; over many parts of east Madhya Pradesh, Gujarat and Vidarbha and over some parts of west Madhya Pradesh.
- ❖ **Minimum temperatures** are in the range of 16-21°C over many parts of west Rajasthan, Gujarat, Maharashtra, Odisha, Chhattisgarh, West Bengal and south Peninsular India. It is in the range of 13-15 °C over many parts of Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, remaining Rajasthan, Madhya Pradesh, Bihar and north east India.
- ❖ **Minimum temperatures** are above normal by 2-4°C over many parts of Punjab, west Rajasthan and Gujarat; some parts over south Haryana, Delhi and north Madhya Pradesh. It is normal/below normal over rest parts of the country.
- ❖ **Moderate rainfall** observed at isolated places over Assam and **Very light to light rainfall** observed at many places over Arunachal Pradesh; at isolated paces over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, Sikkim, Punjab and west Rajasthan.

Weather Forecast and Warnings (Annexure I):

- ❖ The Western Disturbance as a Cyclonic Circulation over Afghanistan in lower tropospheric levels with a trough in middle tropospheric westerlies runs roughly along Long. 65°E to the north of Lat. 32°N.
 - Light to moderate scattered to widespread rainfall/snowfall with isolated thunderstorm & lightning very likely over Western Himalayan Region during 28th February to 02nd March, 2023. Light isolated to scattered rainfall with isolated thunderstorms, lightning and gusty winds is also likely over Punjab and Haryana & Chandigarh during 28th February to 02nd March and over West Rajasthan on 28th February & 01st March and over East Rajasthan on 01st March, 2023.
 - **Isolated Heavy rainfall/snowfall** is also very likely over Kashmir Valley and Himachal Pradesh on 01st March, 2023.
 - **Thunderstorm with lightning & hail** at isolated places very likely over Himachal Pradesh and Uttarakhand on 01st March.
- ❖ Light isolated/scattered rainfall likely over Andaman & Nicobar Islands, Sub-Himalayan West Bengal & Sikkim and Arunachal Pradesh during next 5 days.
- ❖ A fresh western disturbance likely to cause light isolated to scattered rainfall/snowfall over Western Himalayan Region on 04th & 05th March, 2023.

Maximum and Minimum Temperatures Forecast:

❖ Northwest India

- Maximum temperatures: No significant change during next 48 hours and rise by 2-3°C thereafter.
- Minimum temperatures: Fall by 2-3°C during next 48 hours and rise by 2-3°C thereafter.

❖ East India

- Maximum temperatures: Gradual rise by 2-4°C during next 5 days.
- Minimum Temperatures: No significant change during next 5 days.

❖ Central India

- Maximum temperatures: No significant change during next 48 hours and rise by 2-3°C thereafter
- Minimum Temperatures: No significant change during next 5 days

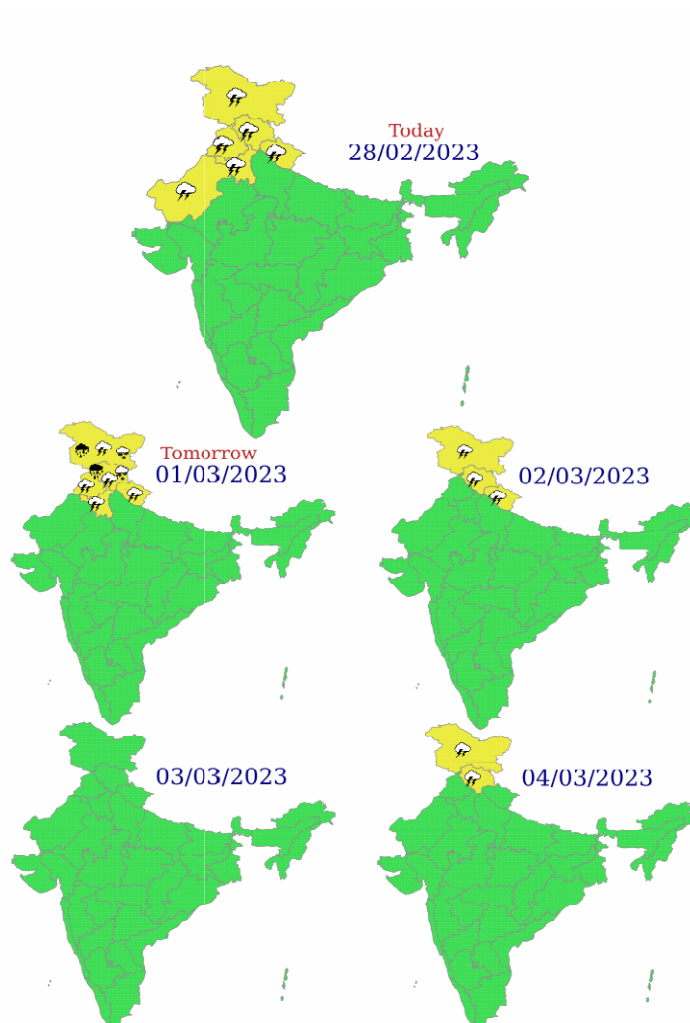
❖ West India

- Maximum Temperatures: No significant change during next 48 hours & rise by 2-4°C during subsequent 3 days over Gujarat and no significant change during next 5 days over Maharashtra.
- Minimum Temperatures: No significant change during next 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