



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

**Press Release
Date: 26th February, 2023
Time of Issue: 1200 hours IST**

**Subject: (i) A fresh Western Disturbance is likely to affect Western Himalayan Region from 28th February to 02nd March, 2023.
(ii) No significant change in Maximum temperatures over parts of Punjab, Haryana and Gujarat during next 48 hours and fall by 2-3°C thereafter.**

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

- ❖ **Maximum temperatures** are in the range of 35-37°C over many parts of Telangana, interior Andhra Pradesh and Interior Maharashtra and over some parts of Gujarat State, Madhya Pradesh and Chhattisgarh.
- ❖ **Maximum temperatures** are above normal by 3-5°C over many parts of Northwest India and over some parts of Central India.
- ❖ **Light rainfall** observed at a few places over Arunachal Pradesh and Andaman & Nicobar Islands and at isolated places over Jammu & Kashmir, Uttarakhand, Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.

Weather Forecast and Warnings (Annexure I):

- ❖ The Western Disturbance as a trough in middle tropospheric westerlies runs roughly along Long. 65°E to the north of Lat. 32°N. It is very likely to cause light/moderate isolated to scattered rainfall/snowfall very likely over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh and Uttarakhand during 26th-27th February.
- ❖ In quick succession a fresh **Western Disturbance** is likely to affect Western Himalayan Region & adjoining plains of northwest India from 28th February. Under its influence:
 - ✓ Light to moderate scattered to widespread rainfall/snowfall with thunderstorm & lightning likely over Western Himalayan Region during 28th February to 02nd March, 2023. Light isolated to scattered rainfall is also likely over Punjab during 28th February to 02nd March and over Haryana & Chandigarh on 01st & 02nd March, 2023.
 - ✓ **Isolated Heavy falls** is also likely over Kashmir Valley and Himachal Pradesh on 01st March, 2023.
 - ✓ Thunderstorm with lightning at isolated places over Jammu & Kashmir on 01st & 02nd March; over Himachal Pradesh on 28th February & 01st March; with lightning & hail over Uttarakhand on 01st & 02nd March and with lightning & gusty winds (speed 30-40 kmph) over Punjab on 28th February & 01st March and over Haryana & Chandigarh on 01st March, 2023.
- ❖ Light isolated to scattered rainfall likely over Andaman & Nicobar Islands, Sub-Himalayan West Bengal & Sikkim and Arunachal Pradesh during next 5 days.

Maximum Temperatures Forecast:

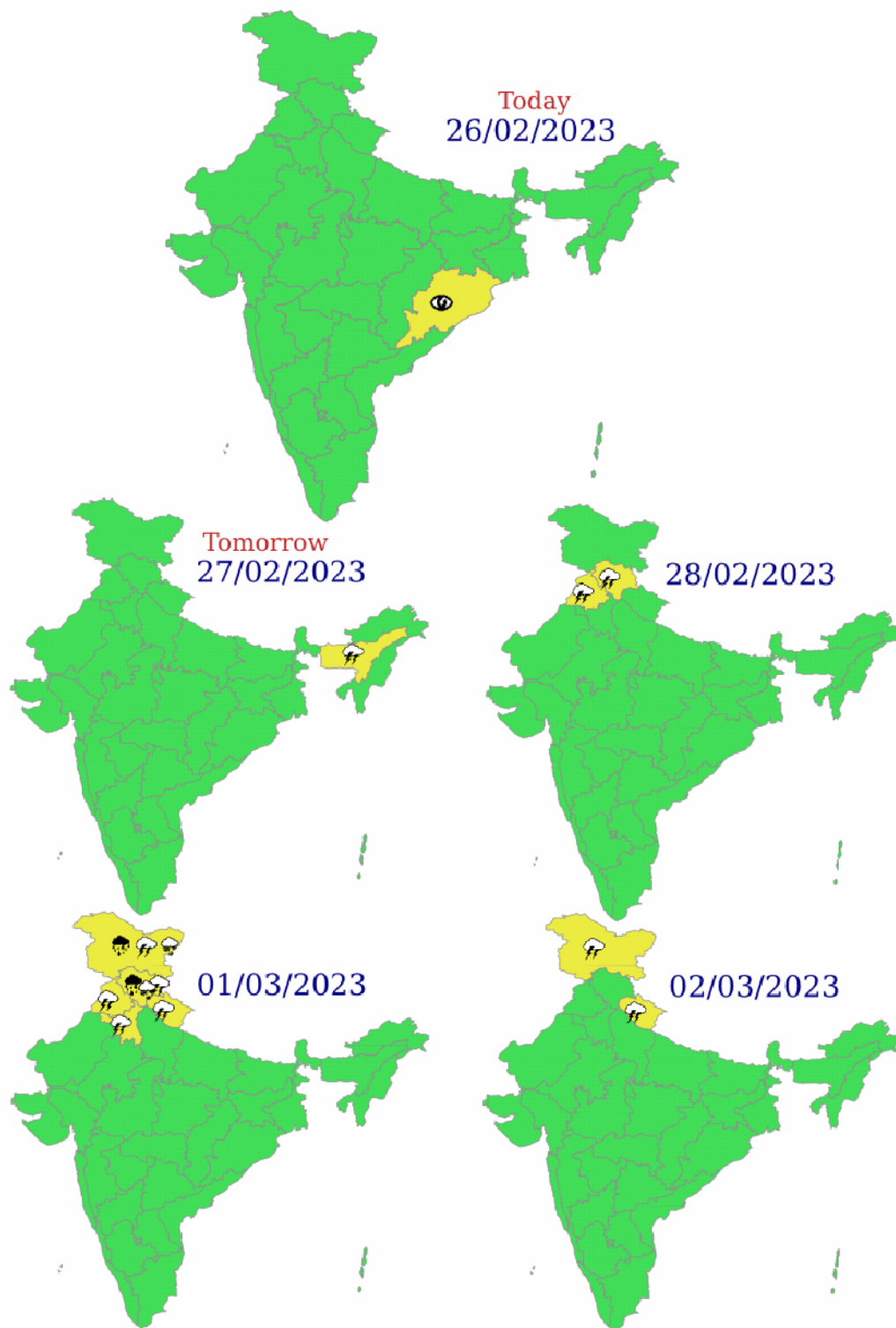
- ❖ **No significant change in Maximum temperatures over parts of Punjab, Haryana and Gujarat during next 48 hours and fall by 2-3°C thereafter.**
- ❖ No significant change in maximum Temperatures very likely over rest parts of the country during next 5 days.
- ❖ Maximum temperatures very likely continue to remain above normal by 3-5°C over most parts of Northwest during next 2 days.

Impact & Advisory to farmers of higher day temperature on Agriculture over Punjab & Haryana and for next 4-5 days:

- ❖ **Impact:** This higher day temperature might lead to adverse effect on wheat as wheat crop is approaching reproductive growth period, which is sensitive to temperature. High temperature during flowering and maturing period leads to loss in yield. There could be similar impact on other standing crops and horticulture.
- ❖ **Advisory for farmers:** Farmers are advised to check if the crop appears to be under stress, light irrigation can be provided. To reduce the impact of higher temperature, add mulch material in the space between two rows of vegetable crops for conservation of soil moisture and maintaining the soil temperature.

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