



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release

Date: 25th February, 2023

Time of Issue: 1200 hours IST

Subject: (i) Maximum temperatures are likely to be above normal by 3-6°C over Northwest during next 3 days.

(ii) A fresh Western Disturbance is likely to affect Western Himalayan Region from 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 35-37°C over most parts of Telangana and Interior Maharashtra; over many parts of Gujarat State, Chhattisgarh and Rayalaseema; over some parts of southwest Madhya Pradesh, Odisha, Coastal Andhra Pradesh, Interior Tamilnadu and Kerala. **Maximum temperatures** are in the range of 28-33°C over most parts of plains of northwest and adjoining central India.
- ❖ **Maximum temperatures** are above normal by 3-6°C over most parts of Rajasthan, Punjab, Haryana & adjoining West Uttar Pradesh, Himachal Pradesh and Jammu division; they are above normal by 1-3°C over remaining parts of the country except parts of Northeast India & South Peninsular India, where it is near normal.
- ❖ **Light to moderate rainfall** observed at **isolated places** over Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh and Assam & Meghalaya.

Weather Forecast and Warnings (Annexure I):

- ❖ A Western Disturbance as a trough in middle & upper tropospheric westerlies 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 25th-27th February.
- ❖ Another fresh **Western Disturbance** is likely to affect Western Himalayan Region and adjoining plains of northwest India from 28th February. Under its influence:
 - ✓ Light to moderate fairly widespread 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 on 28th & 01st March and over Haryana & Chandigarh on 01st March, 2023.
 - ✓ **Isolated Heavy fall** is likely over Kashmir Valley and Himachal Pradesh on 01st March, 2023.
 - ✓ **Hailstorm** at isolated places likely over Himachal Pradesh and Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad on 01st March, 2023.

Maximum Temperatures Forecast:

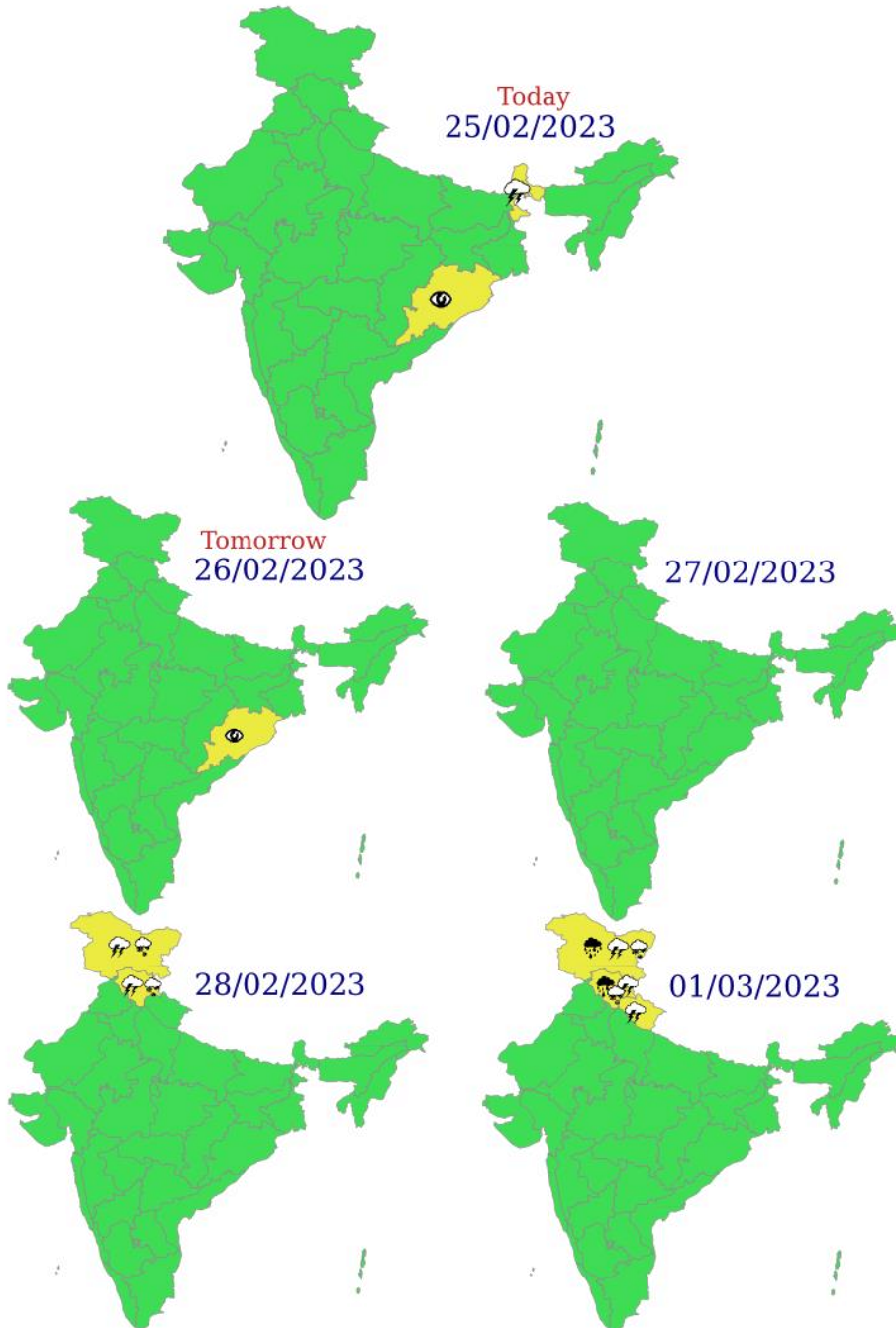
- ◆ Gradual rise in maximum temperatures by 2-3°C very likely over many parts of south Rajasthan and Uttar Pradesh during next 3 days and no significant change thereafter.
- ◆ No significant change in maximum Temperatures very likely over most parts of Gujarat state during next 24 hours and gradual rise by about 2-3°C thereafter.
- ◆ Gradual rise in maximum temperatures by 2-3°C very likely over many parts of Interior Maharashtra during next 3 days and no significant change thereafter.
- ◆ No significant change in maximum Temperatures very likely over most parts of Central India during next 3 days and gradual rise by about 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 3-6°C over most parts of Northwest during next 5 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