



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

**Press Release  
Date: 24<sup>th</sup> February, 2023  
Time of Issue: 1200 hours IST**

**Subject: (i) Maximum temperatures are likely to be above normal by 3-5°C over Northwest, Central & East India during next 5 days.  
(ii) A fresh Western Disturbance is likely to affect Western Himalayan Region and adjoining plains of northwest India from 28<sup>th</sup> February to 02<sup>nd</sup> 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 in parts of interior Maharashtra, Odisha, Gangetic West Bengal and some parts of south Peninsular India.
- ❖ **Maximum temperatures** are above normal by 3-5°C in most parts of Northwest, Central and East India.
- ❖ **Light to moderate rainfall** observed at **many places over** Arunachal Pradesh; **at a few places over** Assam & Meghalaya and Sub-Himalayan West Bengal & Sikkim and **at isolated places over** Tamil Nadu, Puducherry & Karaikal.
- ❖ **Significant amount of rainfall recorded: Assam:** Margherita-5 and Udaipur-3; **Arunachal Pradesh:** Deomali & Yingkiong-4 each.

**Weather Forecast and Warnings (Annexure I):**

- ❖ A fresh **Western Disturbance** is likely to cause light/moderate isolated to scattered rainfall/snowfall over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh and Uttarakhand during 25<sup>th</sup>-27<sup>th</sup> February.
- ❖ Another fresh **Western Disturbance** is likely to affect Western Himalayan Region and adjoining plains of northwest India from 28<sup>th</sup> February. Under its influence:
  - ✓ Light to moderate fairly widespread to widespread rainfall/snowfall likely over Western Himalayan Region during 28<sup>th</sup> February to 02<sup>nd</sup> March, 2023. Light isolated to scattered rainfall is also likely over Punjab and Haryana & Chandigarh during same period.
  - ✓ **Isolated Heavy fall** is also likely over Kashmir Valley on 28<sup>th</sup> February & 01<sup>st</sup> March and over and Himachal Pradesh on 01<sup>st</sup> March, 2023.

**Maximum Temperatures Forecast:**

- ❖ No significant change in maximum Temperatures very likely over **Northwest India** during next 24 hours and gradual rise by 2-3°C thereafter.
- ❖ No significant change in maximum Temperatures very likely over **Gujarat state** during next 2 days and gradual rise by about 2-3°C thereafter.
- ❖ Gradual rise in maximum temperatures by about 2°C over **Maharashtra** during next 3 days and no significant change thereafter.
- ❖ No significant change in maximum Temperatures very likely over rest parts of the country during next 5 days.
- ❖ **However, these are very likely to be above normal by 3-5°C over most parts of Northwest, Central and East India during next 5 days.**

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

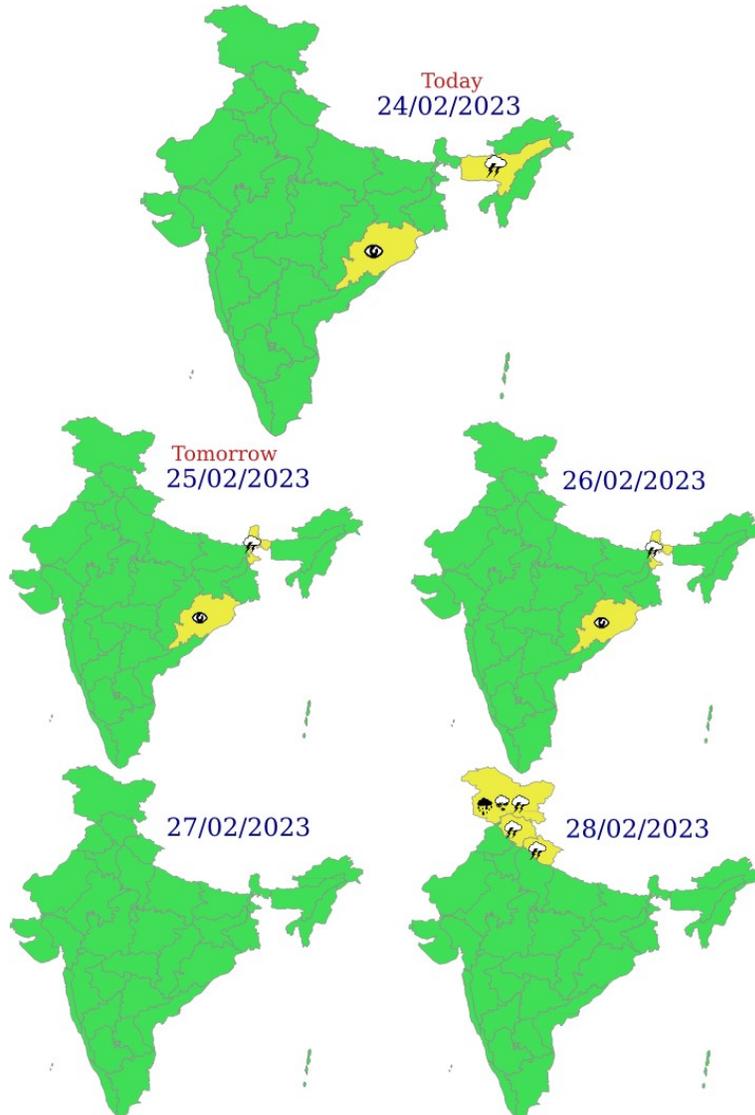
- ❖ **Impact:** This higher day temperature might lead to adverse effect on wheat as wheat crop is approaching reproductive growth period, which is sensitive to temperature. High temperature during flowering and maturing period leads to loss in yield. There could be similar impact on other standing crops 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](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.

<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