



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

**Press Release  
Date: 23<sup>rd</sup> February, 2023  
Time of Issue: 1215 hours IST**

**Subject: i) Scattered to fairly widespread rainfall over Arunachal Pradesh and Assam & Meghalaya with isolated heavy falls over Arunachal Pradesh on 23<sup>rd</sup> February.  
ii) Maximum temperatures are likely to be above normal by 3-5°C over Northwest, Central & East India during next 5 days.**

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

- ❖ **Maximum temperatures** are in the range of 35-37°C in most parts of interior Maharashtra and Telangana; many parts of Jharkhand and Chhattisgarh; some parts of Odisha and isolated pockets of Gujarat, Madhya Pradesh and Gangetic West Bengal.
- ❖ **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, Assam & Meghalaya and Sub-Himalayan West Bengal & Sikkim; **at a few places over** Andaman & Nicobar Islands and **at isolated places over** Nagaland, Manipur, Mizoram & Tripura. **Heavy rainfall at isolated places also observed over Assam.**
- ❖ **Significant amount of rainfall recorded: Assam & Meghalaya:** Tamulpur (Baksa) 7, Udalguri (Udalguri) 6, Manash (Barpeta) 3, Dhemaji (Dhemaji) 3, Khliehriat (East Jaintia) 3, Jiagaon (Tinsukia) 3; **Sub-Himalayan West Bengal & Sikkim:** Neora (Jalpaiguri) 6, Gangtok (East Sikkim) 3; **Arunachal Pradesh:** Tezu (Lohit) 5, Kibithu (Anjaw) 4, Pasighat (East Siang) 4, Tuting (Upper Siang) 4.

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

- ❖ A trough runs roughly along Long 90°E to the north of Lat. 22°N in lower tropospheric levels. Under its influence:
  - ✓ Light to moderate scattered to fairly widespread rainfall very likely over Arunachal Pradesh and light isolated to scattered rainfall over Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya and Nagaland & Manipur during next 24 hours and decrease in intensity & distribution thereafter.
  - ✓ **Isolated heavy rainfall** very likely over Arunachal Pradesh on 23<sup>rd</sup> February.
  - ✓ **Isolated thunderstorm with lightning** very likely over Sub-Himalayan West Bengal & Sikkim on 23<sup>rd</sup> & 24<sup>th</sup> and Nagaland & Manipur on 23<sup>rd</sup> February and **with hail** over Arunachal Pradesh, Assam and Sub-Himalayan West Bengal & Sikkim on 23<sup>rd</sup> February.
- ❖ A fresh Western Disturbance is likely to affect Western Himalayan Region from 25<sup>th</sup> February. Under its influence:
  - ✓ Light to moderate isolated to scattered rainfall likely over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh and Uttarakhand during 25<sup>th</sup>-27<sup>th</sup> February.

**Maximum Temperatures Forecast:**

- ❖ No significant change in maximum Temperatures very likely over Northwest India during next 2 days and rise by 2-3°C thereafter.
- ❖ No significant change in maximum Temperatures very likely over Gujarat state during next 3 days and gradual rise by about 2°C 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.**

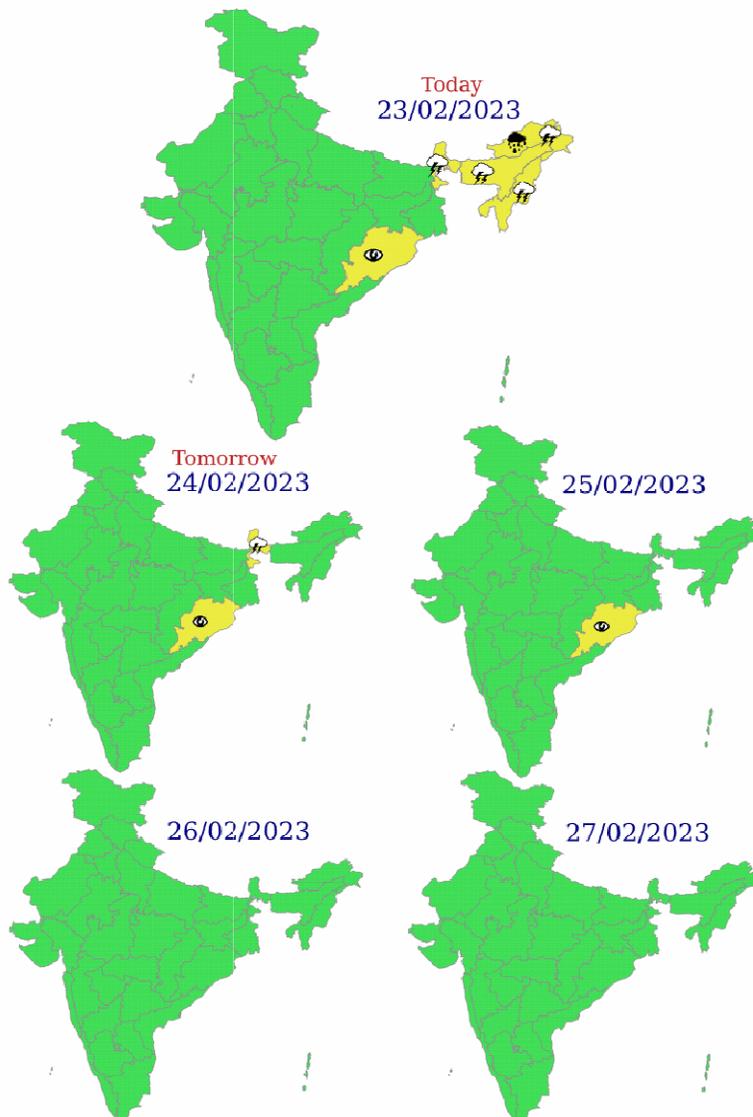
**Impact of higher day temperature on Agriculture over Punjab, Haryana, and Rajasthan & Advisory to farmers for next 5-days in view of the above**

- ❖ **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