



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

**Press Release
Date: 22nd February, 2023
Time of Issue: 1245 hours IST**

**Subject: i) Scattered to fairly widespread rainfall over Arunachal Pradesh and Assam & Meghalaya till 23rd February with isolated heavy falls on 22nd February.
ii) Maximum temperatures are likely to be above normal by 3-5°C over Northwest, West, 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 many parts of Gujarat, Maharashtra, Telangana, Odisha and some parts of Madhya Pradesh and Chhattisgarh.
- ❖ **Maximum temperatures** are above normal by 3-5°C in most parts of Northwest, West, Central, and East India.
- ❖ **Light to moderate rainfall** observed **at most places over** Arunachal Pradesh; **at many places over** Himachal Pradesh, Uttarakhand, Sub-Himalayan West Bengal & Sikkim; **at a few places over** Assam & Meghalaya and **at isolated places over** Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad.
- ❖ **Significant amount of rainfall recorded: Arunachal Pradesh:** Kibithu (Anjaw)-6, Koloriang (Kurung Kumey)-4, Tezu (Lohit)-3, Tuting (Upper Shing)-3, Daparijo (Upper Subansiri)-3; **Assam & Meghalaya:** Jonai (Dhemaji)-3; **Himachal Pradesh:** Nadaun (Hamirpur), Mashobra (Shimla)-3.

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 fairly widespread to 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 3 days and decrease in intensity & distribution thereafter.
 - ✓ **Isolated heavy rainfall** very likely over Arunachal Pradesh and Assam & Meghalaya on 22nd February.
 - ✓ **Isolated thunderstorm** with lightning very likely over Sub-Himalayan West Bengal & Sikkim on 22nd February; over Arunachal Pradesh, Assam & Meghalaya and Nagaland & Manipur on 22nd & 23rd February and **with hail** over Arunachal Pradesh and Assam on 22nd February.
- ❖ A fresh Western Disturbance is likely to affect Western Himalayan Region from 25th February. Under its influence:
 - ✓ Light to moderate scattered to fairly widespread rainfall likely over Jammu & Kashmir and light isolated rainfall over Himachal Pradesh and Uttarakhand on 25th & 26th February.
 - ✓ **Isolated thunderstorm** likely over Jammu & Kashmir on 25th & 26th February and over Himachal Pradesh on 26th February.

Maximum Temperatures Forecast:

- ❖ No significant change in maximum Temperatures very likely over Northwest India during next 3 days and 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, West, Central and East India during next 5 days.**

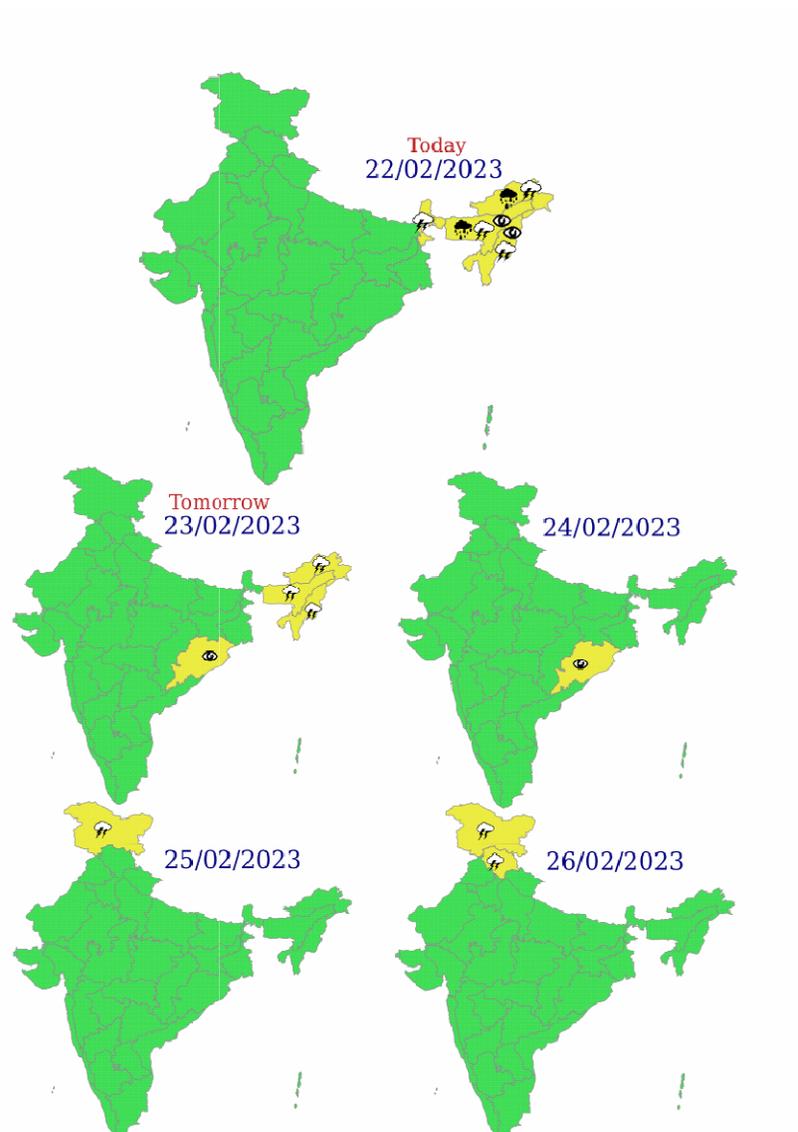
Impact of higher day temperature on Agriculture over Punjab, Haryana, and Rajasthan & Advisory to farmers for next 5-days in view of the above

- ❖ **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

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

Daily Weather Video (English) Dated 21.02.2023

You tube link : <https://youtu.be/lpC1o7liboc>

Face book Link: <https://fb.watch/iQe7fVx2uR/>