



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

**Press Release
Date: 27th March, 2023
Time of Issue: 1245 hours IST**

**Subject: (i) A fresh spell of rainfall/thunderstorm/hailstorm over Northwest India from night of 29th March, 2023.
(ii) A fresh spell of rainfall/thunderstorm activity very likely over Bihar, Jharkhand, Odisha and West Bengal & Sikkim on 30th & 31st March, 2023.**

Weather observed during past 24 hours ending at 0830 hrs IST of today (Refer Annex 1)

Weather Forecast and Warnings (Annexure II):

- ❖ A **Western Disturbance** lies as a cyclonic circulation over Jammu & neighbourhood in middle tropospheric levels.
- ❖ A **trough/wind-discontinuity** runs from central Chhattisgarh to south Tamil Nadu and another trough from Bihar to north Odisha in lower tropospheric levels.
- ❖ A fresh **Western Disturbance** is likely to affect northwest India from night of 29th March, 2023.
- ❖ Under the influence of above synoptic features, following weather is expected:
 - Northwest India:** A fresh spell of fairly widespread to widespread **rainfall/thunderstorm activity** very likely over the region on 30th & 31st March, 2023. Isolated **hailstorm activity** likely over Himachal Pradesh, Uttarakhand, Punjab, Haryana, West Uttar Pradesh on 30th & 31st and over Rajasthan on 30th March, 2023.
 - Central India:** Isolated **hailstorm activity** likely over Chhattisgarh, Vidarbha and Madhya Pradesh on 30th March, 2023.
 - East India:** A fresh spell of scattered to fairly widespread **rainfall/thunderstorm activity** very likely over Bihar, Jharkhand, Odisha and West Bengal & Sikkim on 30th & 31st March, 2023.
 - Northeast India:** Scattered to fairly widespread light/moderate rainfall activity **with thunderstorm & lightning/gusty winds** likely to continue over Northeast India on 27th & 28th March, 2023. **Isolated heavy rainfall** also likely over Arunachal Pradesh and Assam & Meghalaya on 27th March, 2023. **Another spell of enhanced rainfall activity likely over the region from 31st March.**
 - South India:** Isolated light/moderate rainfall with **thunderstorm & lightning/gusty winds** likely over Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, South Interior Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe during 27th-31st March, 2023.

Maximum Temperatures Forecast during next 5 days:

- ❖ **West and Central India:** Gradual rise in Maximum Temperatures by 2-3°C very likely during next 3 days and fall by 2-3°C thereafter during subsequent 3 days.
- ❖ **Northwest India:** Gradual rise in Maximum Temperatures by 2-4°C very likely during next 3 days and fall by 2-4°C thereafter during subsequent 3 days.
- ❖ **Rest parts of the country:** No significant change in Maximum Temperatures very likely during next 5 days.
- ❖ **No heat wave likely over any part of country during next 5 days.**

Impact expected and action suggested due to isolated thunderstorm with lightning/gusty winds & Hailstorm over

- **30th March:** Himachal Pradesh, Uttarakhand, Punjab, Haryana, West Uttar Pradesh, Rajasthan, Madhya Pradesh, Vidarbha, Chhattisgarh
- **31st March:** Himachal Pradesh, Uttarakhand, Punjab, Haryana, West Uttar Pradesh

Impact expected:

- Strong wind/hail may damage plantation, horticulture and standing crops.
- Hail may injure people and cattle at open places.
- Partial damage to vulnerable structures due to strong winds.
- Minor damage to kutcha houses/walls and huts.
- Loose objects may fly.

Action suggested:

- Stay indoors, close windows & doors and avoid travel if possible.
- Take safe shelters; do not take shelter under trees.
- Do not lie on concrete floors and do not lean against concrete walls.
- Unplug electrical/ electronic appliances.
- Immediately get out of water bodies.
- Keep away from all the objects that conduct electricity.

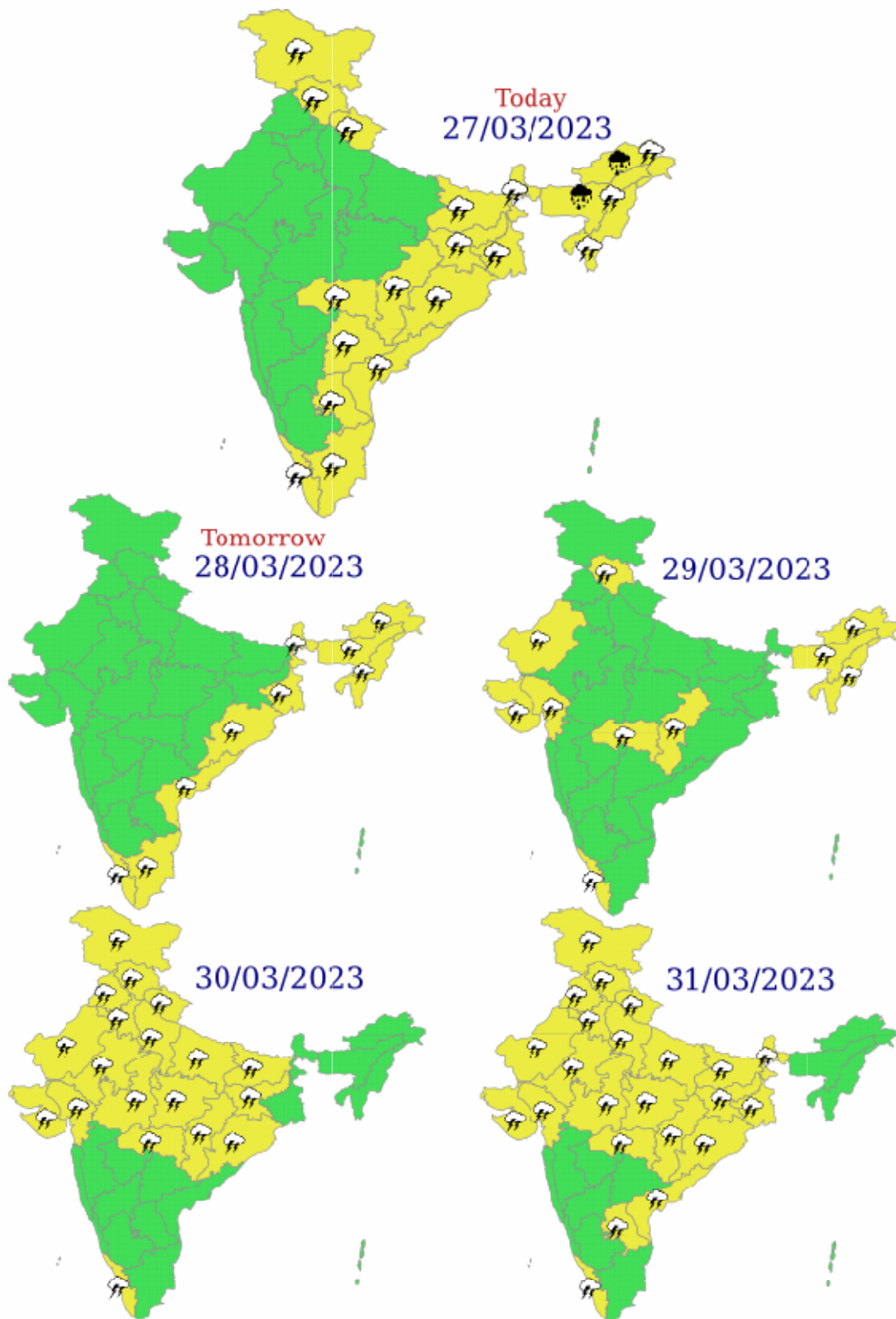
Advisory for farmers:

- Postpone harvesting of matured crops in Assam & Meghalaya and Arunachal Pradesh; keep already harvested produce in a safe place or cover the heaps of already harvested produce in the field with tarpaulin sheets.
- Resume harvesting of matured crops in Jammu, Himachal Pradesh, Punjab, Haryana, Uttarakhand, Uttar Pradesh and Rajasthan during clear weather.
- Postpone sowing of maize in Arunachal Pradesh.
- Drain out excess water from crop fields.
- Provide mechanical support to horticultural crops and staking to vegetables.

For more details kindly refer:

https://mausam.imd.gov.in/imd_latest/contents/all_india_forecast_bulletin.php

- ❖ **Maximum temperatures** are in the range of 27-32°C over Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh and northeastern states; in the range of 33-37°C over rest parts of the country except Telangana, Rayalaseema, North Interior Karnataka, Vidarbha where they are in the range of 37-39°C.
- ❖ **Maximum temperatures** are 1-3°C below normal over most parts of the country except Tamil Nadu, Karnataka, Kerala, West coast of India and Odisha where these are near normal.
- ❖ **Light/moderate rainfall/thundershowers** observed at most places over Arunachal Pradesh, Assam & Meghalaya; **at a few places over** Gangetic West Bengal, Odisha, East Madhya Pradesh, Nagaland, Manipur, Mizoram & Tripura, Kerala & Mahe and Chhattisgarh and **at isolated places over** Jammu & Kashmir, Himachal Pradesh, Uttarakhand, East Uttar Pradesh, Vidarbha, Sub-Himalayan West Bengal & Sikkim, Bihar, Jharkhand, South Interior Karnataka, Coastal Andhra Pradesh & Yanam, Rayalaseema and Telangana.
- ❖ **Heavy rainfall** occurred at isolated over Odisha, Kerala and Tamil Nadu.
- ❖ **Hailstorm** observed at isolated places over Jammu & Kashmir, Uttarakhand, East Madhya Pradesh, Jharkhand and Gangetic West Bengal.
- ❖ **Significant amount of rainfall (in cm):**
 - **Odisha:** Jajpur: Korei-7, Keonjhar: Hatadihi-6
 - **Tamil Nadu:** Mannargudi (dist Tiruvarur) 8, Alakarai Estate (dist Nilgiris) 7, Kotagiri Estate (dist Nilgiris), Kodanad (dist Nilgiris), Denkanikottai ARG (dist Krishnagiri), Denkanikottai (dist Krishnagiri), Coonoor PTO (dist Nilgiris) 5 each,
 - **Kerala:** Punalur (Kollam district) 7, Konni (Pathanamthitta district) 6, Kanjirappallym (Kottayam district) 5,
 - **Coastal Andhra Pradesh & Yanam:** Vinjamur (dist Spsr Nellore) 3,
 - **Telangana:** Bazarhathnoor (dist Adilabad) 3,
 - **Gangetic West Bengal:** Midnapore-3
 - **Sikkim:** North Sikkim-3
 - **Arunachal Pradesh:** Tuting (dist Upper Siang) 3,
 - **Assam:** Mawsynram (dist East Khasi Hills) 3, Hazuah (dist Barpeta) 3



Legends:

❖ **Heavy Rain:** 64.5 to 115.5 mm; **Very Heavy Rain:** 115.6 to 204.4 mm; **Extremely Heavy Rain:** >204.4mm.

❖ **Region wise classification of meteorological Sub-Divisions:**

- **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.
- **Central India:** West Madhya Pradesh, East Madhya Pradesh, Vidarbha and Chhattisgarh.
- **East India:** Bihar, Jharkhand, Sub-Himalaya West Bengal & Sikkim; Gangetic West Bengal, Odisha and Andaman & Nicobar Islands.
- **Northeast India:** Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- **West India:** Gujarat Region, Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra and Marathwada.
- **South India:** Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Coastal Karnataka, North Interior Karnataka, South Interior Karnataka, Kerala & Mahe, Tamilnadu, 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