



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

**Press Release
Date: 24th March, 2023
Time of Issue: 1245 hours IST**

Subject: Rainfall/thunderstorm/hailstorm activity over Northwest India on 24th and over parts of Central & East India on 25th & 26th 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** seen as a cyclonic circulation over Afghanistan in lower & middle tropospheric levels and an induced **cyclonic circulation** lies over southwest Rajasthan & neighbourhood in lower tropospheric levels.
- ❖ A **trough/wind-discontinuity** runs from interior Tamilnadu to Vidarbha in lower tropospheric levels.
- ❖ Under the influence of above synoptic features, following weather is expected;
Northwest India: Rainfall & thunderstorm/hailstorm is likely over Western Himalayan Region on 24th & 25th and over Plains of northwest India on 24th March. **Isolated heavy rainfall** also likely over Jammu division and north Punjab on today, the 24th March, 2023.
Central India: Isolated to scattered light/moderate rainfall with **thunderstorm & lightning** likely over Chhattisgarh, Vidarbha and Madhya Pradesh on 25th & 26th March. **Isolated hailstorm likely** over Vidarbha on 25th and over Chhattisgarh 26th March, 2023.
South India: Isolated to scattered light/moderate rainfall with **thunderstorm & lightning** likely over Coastal Andhra Pradesh & Yanam, South Interior Karnataka, Telangana, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe from 24th -26th March. **Isolated hailstorm likely** over Telangana 25th March, 2023. **Isolated heavy rainfall likely over Tamil Nadu, Puducherry & Karaikal on 24th March, 2023.**
Northeast India: Scattered to fairly widespread light/moderate rainfall activity **with thunderstorm & lightning** likely to continue over Northeast India during next 5 days. **Isolated heavy rainfall likely over Arunachal Pradesh and Assam & Meghalaya on 26th & 27th March, 2023.**
East India: Scattered to fairly widespread light/moderate **rainfall & thunderstorm activity** is likely over Sub-Himalayan West Bengal & Sikkim during 24th -26th and Isolated to scattered rainfall activity **with thunderstorm & lightning** over Jharkhand, Bihar, Gangetic West Bengal and Odisha on 26th & 27th March, 2023.

Maximum Temperatures Forecast during next 5 days:

- ❖ **Northwest India:** No significant change in Maximum Temperatures very likely during next 2 days and gradual rise by 3-5°C thereafter.
- ❖ **Central India:** No significant change in Maximum Temperatures very likely during next 3 days and rise by 3-4°C thereafter.
- ❖ **East India:** Rise in maximum temperatures by 2-3°C very likely during next 2 days and no significant change thereafter.
- ❖ **Gujarat:** No significant change in maximum temperatures very likely during next 2 days and rise by 2-4°C thereafter.
- ❖ **Maharashtra:** Gradual rise in maximum temperatures by 3-5°C very likely during next 5 days.

❖ **No heat wave likely over any part of country during next 05 days.**

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

- **24th March:** Himachal Pradesh, West Uttar Pradesh
- **25th March:** Uttarakhand, Vidarbha, Telangana
- **26th March:** Chhattisgarh

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:

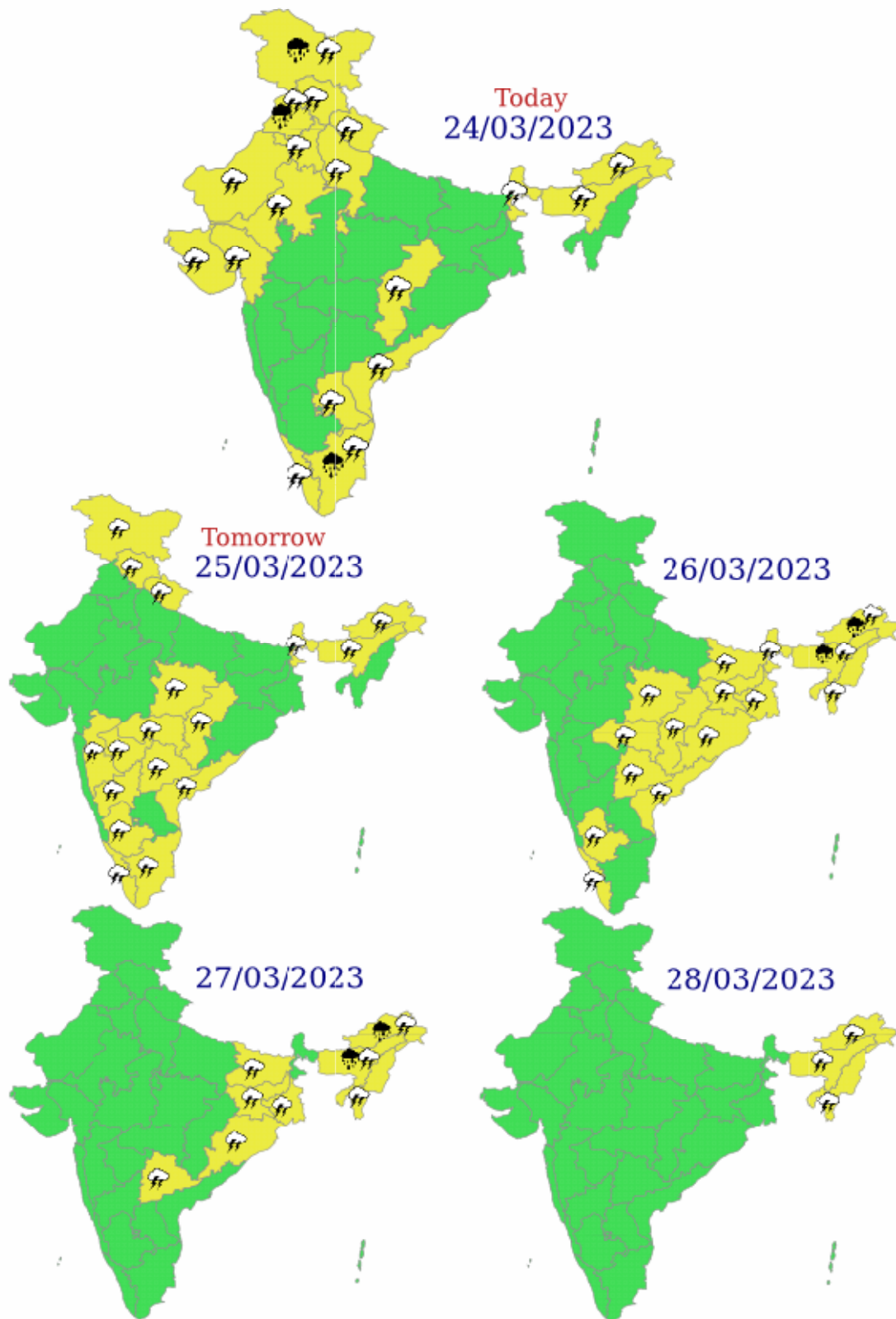
- Postpone harvesting of matured crops in Jammu, Uttarakhand, Punjab and Arunachal Pradesh; keep already harvested produce in a safe place or cover the heaps of already harvested produce in the field with tarpaulin sheets.
- Postpone sowing of Jute in Sub-Himalayan West Bengal and maize in Sikkim and Arunachal Pradesh.
- Drain out excess water from crop fields.
- Provide mechanical support to horticultural crops and staking to vegetables.
- Use hail nets to protect apple, pear, plum and peach orchards in Himachal Pradesh and orchards in West Uttar Pradesh, Sub-Himalayan West Bengal and Sikkim.

For more details kindly refer:

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

Annexure I

- ❖ **Maximum temperatures** are in the range of 27-32°C over Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, Bihar, Madhya Pradesh, Chhattisgarh and Jharkhand; in the range of 32-36°C over rest parts of the country except Western Himalayan Region and northeast India where they are in the range of 18-24°C.
- ❖ **Maximum temperatures** are 2-5°C below normal over most parts of the country except south peninsular India and west & east coast of India where these are near normal.
- ❖ **Light/moderate rainfall/thundershowers** observed **at most places** Arunachal Pradesh; **at many places** over Sub-Himalayan West Bengal & Sikkim; **at a few places** over West Rajasthan, Saurashtra & Kutch, Coastal Andhra Pradesh & Yanam, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and **at isolated places** over Himachal Pradesh, Uttarakhand, Punjab, Haryana, East Rajasthan, Madhya Pradesh, Chhattisgarh, Tamilnadu, Puducherry & Karaikal, Telangana, Rayalaseema, Kerala and Odisha.
- ❖ **Significant amount of rainfall (in cm):**
 - **Tamil Nadu:** Lakkur (dist. Cuddalore)-8
 - **Coastal Andhra Pradesh & Yanam:** Yelamanchili (dist Anakapalli) 6, Santhamaguluru (dist Bapatla) 6, Gudivada (dist Krishna) 4, Peddapuram (dist Kakinada) 4, Kavali (dist Spsr Nellore) 4.
 - **Arunachal Pradesh:** Itanagar (dist Papumpara) 2, Naharlagun (dist Papumpara) 2, Naharlagun_Aws (dist Papumpara) 2,
 - **Assam & Meghalaya:** Goibargaon (dist Baksa) 3, Melabazar/matunga (dist Nalbari) 3, Majuli (dist Jorhat) 3, Guwahati_arg (dist Kamrup Metropolitan) 3, Guwahati City Imd (dist Kamrup Metropolitan) 3,
 - **Sub-Himalayan West Bengal & Sikkim:** Gangtok-6;



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