



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

**Press Release  
Date: 26<sup>th</sup> March, 2023  
Time of Issue: 1300 hours IST**

**Subject: (i) A fresh spell of rainfall/thunderstorm over northwest India from night of 29<sup>th</sup> March, 2023.  
(ii) Rainfall/thunderstorm/hailstorm activity likely over Northeast & East India during next 2 days.**

**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 north Pakistan & neighbourhood in middle tropospheric levels.
- ❖ A **trough/wind-discontinuity** runs from Bihar to Interior Tamilnadu in lower tropospheric levels.
- ❖ A fresh **Western Disturbance** is likely to affect northwest India from night of 29<sup>th</sup> March, 2023.
- ❖ Under the influence of above synoptic features, following weather is expected:
  - Northwest India:** Isolated to scattered is likely over Western Himalayan Region during next 5 days with light/moderate **rainfall & thunderstorm/hailstorm on 29<sup>th</sup> & 30<sup>th</sup>** and isolated to scattered light **rainfall & thunderstorm** over plains of northwest India on 30<sup>th</sup> March, 2023.
  - Central India:** Isolated light/moderate rainfall with **thunderstorm & lightning/gusty winds** likely over Chhattisgarh, Vidarbha and Madhya Pradesh **on 29<sup>th</sup> & 30<sup>th</sup>** March.
  - South India:** Isolated to scattered 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 26<sup>th</sup>-29<sup>th</sup> March, 2023.
  - Northeast India:** Scattered to fairly widespread light/moderate rainfall activity **with thunderstorm & lightning/gusty winds** likely to continue over Northeast India during 26<sup>th</sup>-29<sup>th</sup> March, 2023. **Isolated heavy rainfall also likely over Arunachal Pradesh and Assam & Meghalaya on 26<sup>th</sup> & 27<sup>th</sup> March, 2023.**
  - East India:** Isolated to scattered light/moderate **rainfall & thunderstorm & lightning/gusty winds** likely over Bihar, Jharkhand, Gangetic West Bengal, Odisha and Sub-Himalayan West Bengal & Sikkim during 26<sup>th</sup>- 28<sup>th</sup> March, 2023. **Isolated hailstorm likely** over Jharkhand and Gangetic West Bengal on 26<sup>th</sup> March, 2023.

**Maximum Temperatures Forecast during next 5 days:**

- ❖ **West and Central India:** Gradual rise in Maximum Temperatures by 2-4°C very likely during next 4 days and no significant change thereafter.
- ❖ **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**

- **26<sup>th</sup> March:** Gangetic West Bengal, Jharkhand
- **27<sup>th</sup> March:** Chhattisgarh and Odisha
- **30<sup>th</sup> march:** Himachal Pradesh, Uttarakhand, Rajasthan

**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.

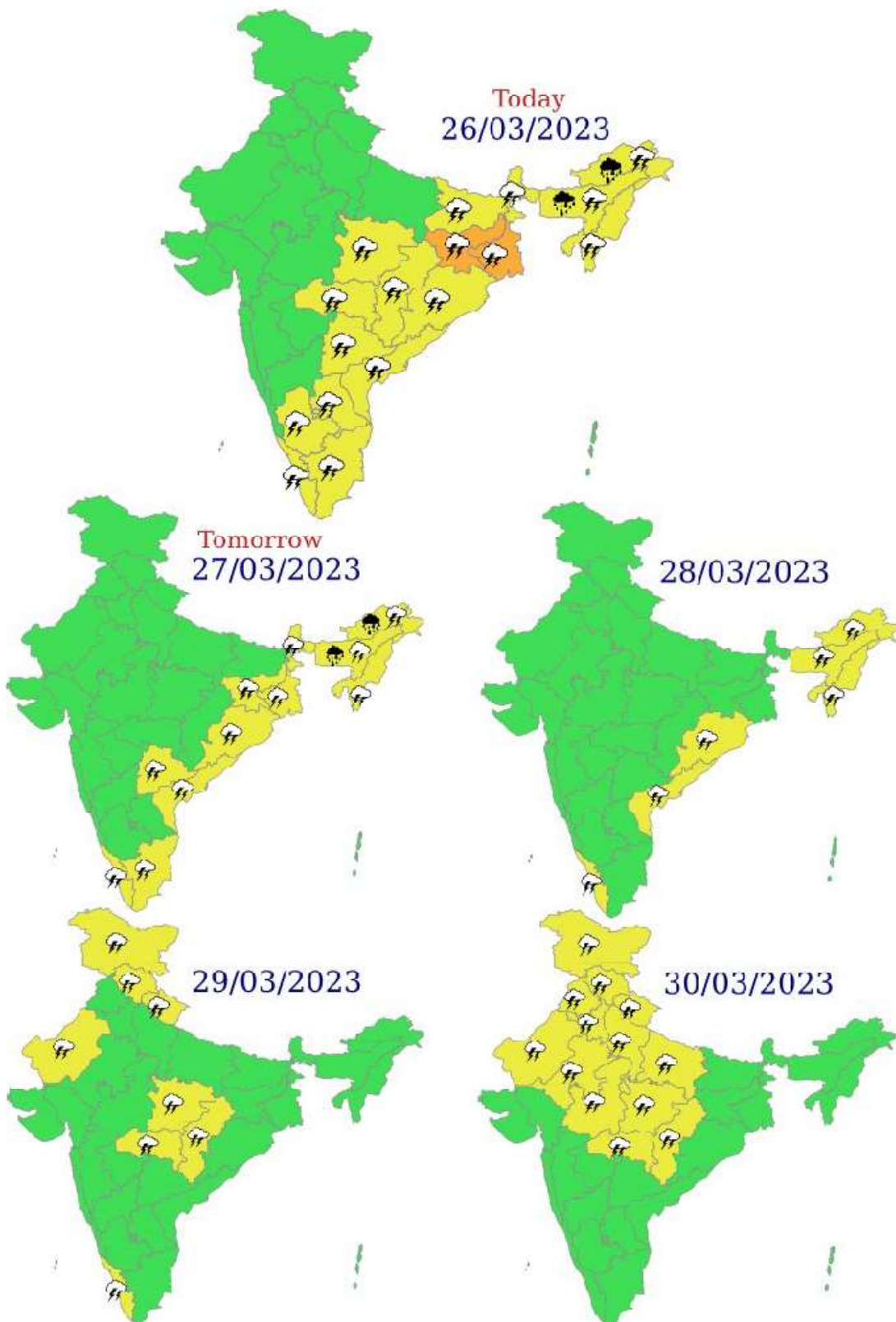
**Advisory for farmers:**

- Postpone harvesting of matured crops in Jammu, Himachal Pradesh, Uttarakhand, 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 Punjab and Haryana.
- 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 Jammu & Kashmir, Himachal Pradesh and Uttarakhand and orchards in Odisha, Chhattisgarh and Telangana.

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)

- ❖ **Maximum temperatures** are in the range of 26-30°C over Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh and northern parts of Rajasthan; in the range of 30-36°C over southern parts of Rajasthan, East Uttar Pradesh, Bihar, Madhya Pradesh, Chhattisgarh and Jharkhand; in the range of 34-39°C over rest parts of the country except Western Himalayan Region and northeast India where they are in the range of 16-24°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 over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh; at many places over Uttarakhand, Arunachal Pradesh, Assam & Meghalaya; at a few places over Punjab, Sub-Himalayan West Bengal & Sikkim, Coastal Andhra Pradesh & Yanam and at isolated places over Haryana, Chandigarh & Delhi, Uttar Pradesh, East Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Jharkhand, Gangetic West Bengal, Odisha, Nagaland, Manipur, Mizoram & Tripura, Rayalaseema, Telangana, South Interior Karnataka, Kerala & Mahe and Tamilnadu, Puducherry & Karaikal.
- ❖ **Hailstorm** observed at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, and Telangana.
- ❖ **Significant amount of rainfall (≥3 cm):**
  - **Himachal Pradesh:** Bilaspur Aws (Dist Bilaspur) 5, Barthin (Dist Bilaspur) 4, Karsog (Dist Mandi) 4, Berthin Agro (Dist Bilaspur) 4, Solan (Dist Solan) 4; Baijnath (Dist Kangra) 3, Chamba Aws(Dist Chamba Aws) 3;
  - **Haryana:** Dadupur (dist Yamuna Nagar) 5;
  - **Uttarakhand:** Tehri (Dist Garhwal Tehri) 3;
  - **Coastal Andhra Pradesh & Yanam:** Yelamanchili (Dist Anakapalli) 6, Santhamaguluru (Dist Bapatla) 6, Gudivada (Dist Krishna) 4.



**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.

<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