



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release
Date: 25th March, 2023
Time of Issue: 1300 hours IST

**Subject: (i) Rainfall/thunderstorm/hailstorm activity over Northwest India today and decrease from tomorrow.
(ii) Rainfall/thunderstorm/hailstorm activity likely over Northeast, East and adjoining Central & Peninsular India during next 3 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** seen as a cyclonic circulation over north Pakistan & neighbourhood in lower & middle tropospheric levels and a **cyclonic circulation** lies over northeast Rajasthan & adjoining Haryana in lower tropospheric levels.
- ❖ A **trough** runs from the cyclonic circulation over northeast Rajasthan to south Assam in lower tropospheric levels.
- ❖ Another **trough/wind-discontinuity** runs from Bihar to South Interior Karnataka in lower tropospheric levels.
- ❖ Under the influence of above synoptic features, following weather is expected:
 - Northwest India:** Fairly widespread to widespread light/moderate **rainfall & thunderstorm/hailstorm** is likely over Western Himalayan Region and isolated to scattered light **rainfall & thunderstorm** over plains of northwest India on 25th March, 2023.
 - Central India:** Isolated to scattered light/moderate rainfall with **thunderstorm & lightning/gusty winds** likely over Chhattisgarh, Vidarbha and East Madhya Pradesh on 25th & 26th March. **Isolated hailstorm likely** over Chhattisgarh on 26th March, 2023.
 - South India:** Isolated to scattered light/moderate rainfall with **thunderstorm & lightning/gusty winds** likely over Andhra Pradesh & Yanam, Telangana, South Interior Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe during 25th-27th March, 2023. **Isolated hailstorm likely** over Telangana on 25th March, 2023. **Isolated heavy rainfall likely over Tamil Nadu, Puducherry & Karaikal on 25th and over Kerala & Mahe on 25th & 26th March, 2023.**
 - Northeast India:** Scattered to fairly widespread light/moderate rainfall activity with **thunderstorm & lightning/gusty winds** likely to continue over Northeast India during 25th-28th March, 2023. **Isolated heavy rainfall likely over Arunachal Pradesh and Assam & Meghalaya on 26th & 27th March, 2023.**
 - East India:** Isolated to scattered light/moderate **rainfall & thunderstorm & lightning/gusty winds** likely over Bihar, Gangetic West Bengal and Odisha during 25th-27th; over Sub-Himalayan West Bengal & Sikkim on 25th & 26th and over Jharkhand on 26th & 27th March, 2023. **Isolated hailstorm likely** over Odisha on 26th March, 2023.

Maximum Temperatures Forecast during next 5 days:

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

- **25th March:** Jammu & Kashmir, Himachal Pradesh, Uttarakhand and Telangana
- **26th March:** Chhattisgarh and Odisha

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.

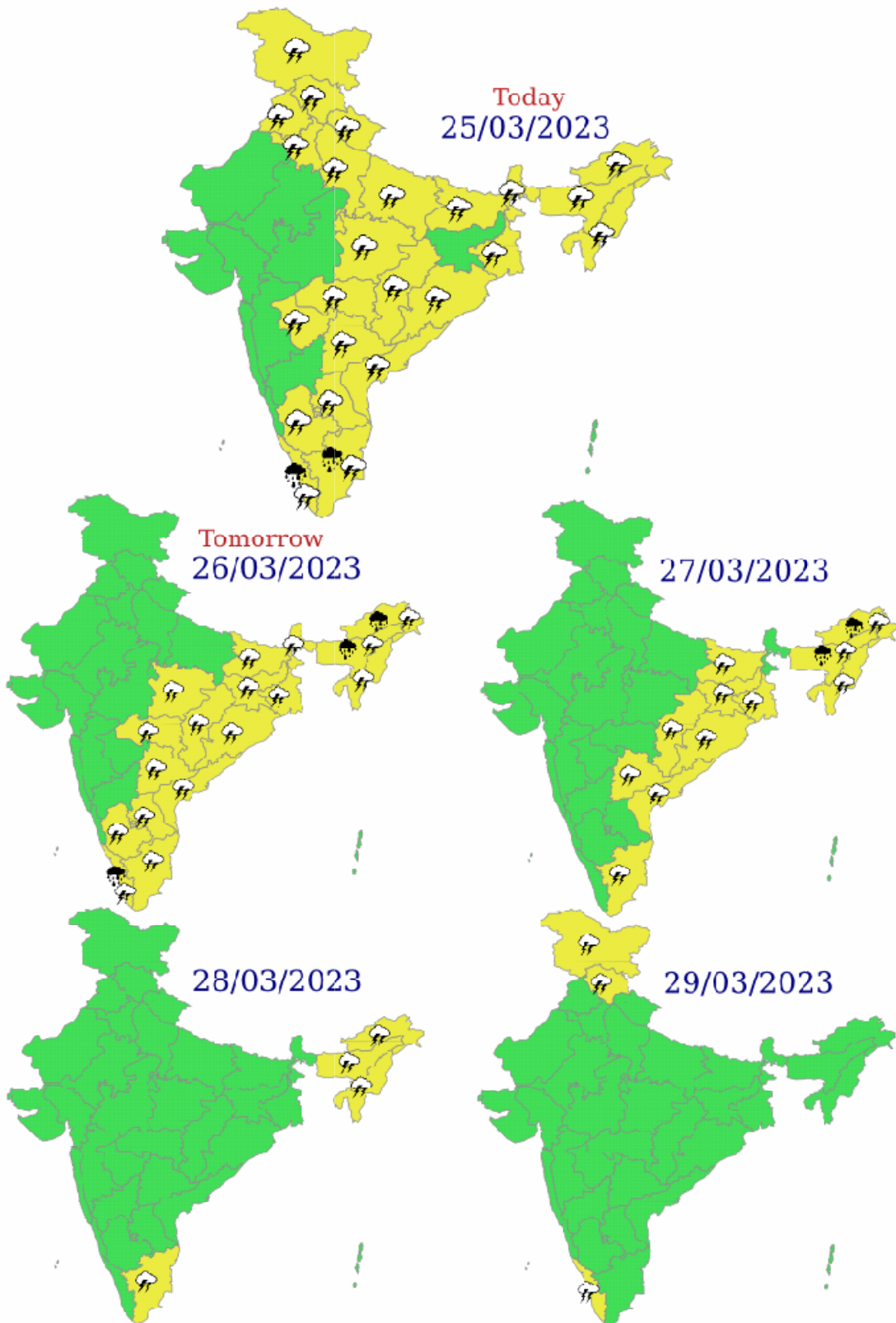
Advisory for farmers:

- 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

- ❖ **Maximum temperatures** are in the range of 26-30°C over Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh; in the range of 30-36°C over 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, Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi and Sub-Himalayan West Bengal & Sikkim; **at a few places over** West Uttar Pradesh, Andaman & Nicobar Islands, Assam & Meghalaya, Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura and Coastal Andhra Pradesh & Yanam and **at isolated places over** East Uttar Pradesh, Rajasthan, Madhya Pradesh, Vidarbha, Chhattisgarh, Odisha, Telangana, Rayalaseema, Tamilnadu, Puducherry & Karaikal and Kerala & Mahe.
- ❖ **Isolated heavy rainfall** observed over Punjab, Coastal Andhra Pradesh & Yanam, Kerala & Mahe, Tamil Nadu, Puducherry & Karaikal.
- ❖ **Significant amount of rainfall (≥3 cm):**
 - **Kerala & Mahe:** Kanjirappally (Kottayam district) 9, Konni (Pathanamthitta district) 5, Neryamangalam ARG (Ernakulam district) 4;
 - **Punjab:** Kapurthala (dist Kapurthala) 8, Khanna (dist Ludhiana) 7, Barnala Arg (dist Barnala) 6, Fazilka Arg (dist Fazilka) 6, Jagraon (dist Ludhiana) 5, Jalandhar (dist Jalandhar) 5, Mallaout (dist Muktsar) 5, Kapurthala Aws (dist Kapurthala) 5, Patti (dist Tarn Taran) 5, Faridkot (dist Faridkot) 5, Kishankot Arg (dist Gurdaspur) 5, Mukerian Arg (dist Hoshiarpur) 5, Tibri (dist Gurdaspur) 5;
 - **Tamil Nadu:** Valparai PAP (dist Coimbatore), Valparai Taluk Office (dist Coimbatore), Sandhiyur (dist Salem), Vellakoil (dist Tiruppur) 8 each, Sankaridurg (dist Salem), Avinasi (dist Tiruppur), PWD IB (Collector Camp Office) (dist Tiruppur), Namakkal Collectorate (dist Namakkal) 7 each, Peraiyur (dist Madurai), Penucondapuram (dist Krishnagiri) 5 each, Watrap (dist Virudhunagar), Chinnakalar (dist Coimbatore) 4 each;
 - **Coastal Andhra Pradesh & Yanam:** Palakonda (dist Parvathipuram Manyam) 7, Palakonda(arg) (dist Parvathipuram Manyam) 6, Palasa (dist Srikakulam) 5, Mandasa (dist Srikakulam) 3;
 - **Sikkim:** Rongli (dist East Sikkim) 5, Pakyong (dist East Sikkim) 3;
 - **Assam & Meghalaya:** Umrangso (dist N. C. Hills) 3, Umrangshu Arg (dist N. C. Hills) 3;
 - **East Rajasthan:** Rajgarh (dist Alwar) & Bhuhana (dist Jhunjunu) 3 each;
 - **Haryana:** Kalka (dist Panchkula) 3, Bopani Aws (dist Faridabad) 3;
 - **West Uttar Pradesh:** Suar (dist Rampur) 3;
 - **Odisha:** Gudari (dist Rayagara) 3;
 - **Telangana:** Burgampadu (dist B. Kothagudem) 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