



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

**Press Release
Date: 02nd April, 2023
Time of Issue: 1215 hours IST**

Subject: Rainfall/thunderstorm with hailstorm activity likely over Northwest India on 03 April and significant reduction thereafter.

Weather observed during past 24 hours ending at 0830 hrs IST of today: Refer Annexure I

Weather Forecast and Warnings (Graphics in Annexure II):

- ❖ A Western Disturbance as a cyclonic circulation lies over west Iran & neighbourhood in middle tropospheric levels.
- ❖ A trough in mid tropospheric westerlies runs along Long.85°E to the north of lat. 25°N.
- ❖ A cyclonic circulation lies over West Rajasthan & neighbourhood in lower tropospheric levels.
- ❖ A trough/wind discontinuity runs from north Chhattisgarh to south interior Tamil Nadu in lower tropospheric levels.
- ❖ **Under the influence of above synoptic features, following weather is expected:**

Northwest India:

- Isolated to scattered light/moderate rainfall very likely over Western Himalayan region during 02nd-05th with thunderstorm, lightning/gusty over the region on 03rd & 04th April.
- Isolated light/moderate rainfall with thunderstorm very likely over plains of northwest India during 02nd-04th with peak activity on 03rd April.
- Isolated **hailstorm** very likely over Uttarakhand on 03rd & 04th, over Himachal Pradesh, Punjab and Haryana on 03rd April.

East & Northeast India:

- Scattered to Fairly widespread light/moderate rainfall/thunderstorm, lightning, gusty winds very likely to continue over Northeast India and Sub Himalayan West Bengal & Sikkim till 05th April and gradual reduction thereafter.
- Isolated **heavy rainfall** very likely over east Arunachal Pradesh, east Assam, Nagaland and Manipur on 02nd April.
- Isolated **hailstorm** very likely over Sub Himalayan West Bengal & Sikkim on 02nd April.

South India:

- Isolated to scattered light/moderate rainfall/thunderstorm, lightning/gusty winds very likely over Andhra Pradesh, Telangana, South Interior Karnataka, Tamil Nadu and Kerala during next 5 days.
- Isolated **heavy rainfall** likely over interior Tamil Nadu on 02nd April.

Central & West India: No significant weather is expected over the region during next 5 days.

Maximum Temperatures Forecast during next 5 days:

- ❖ Maximum temperatures are below normal by 2-4°C over most parts of the country. It is likely to be below normal to near normal over most parts of the country 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** Sub-Himalayan West Bengal & Sikkim on 02nd, over Uttarakhand on 03rd & 04th, over Himachal Pradesh, Punjab and Haryana on 03rd April.

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.

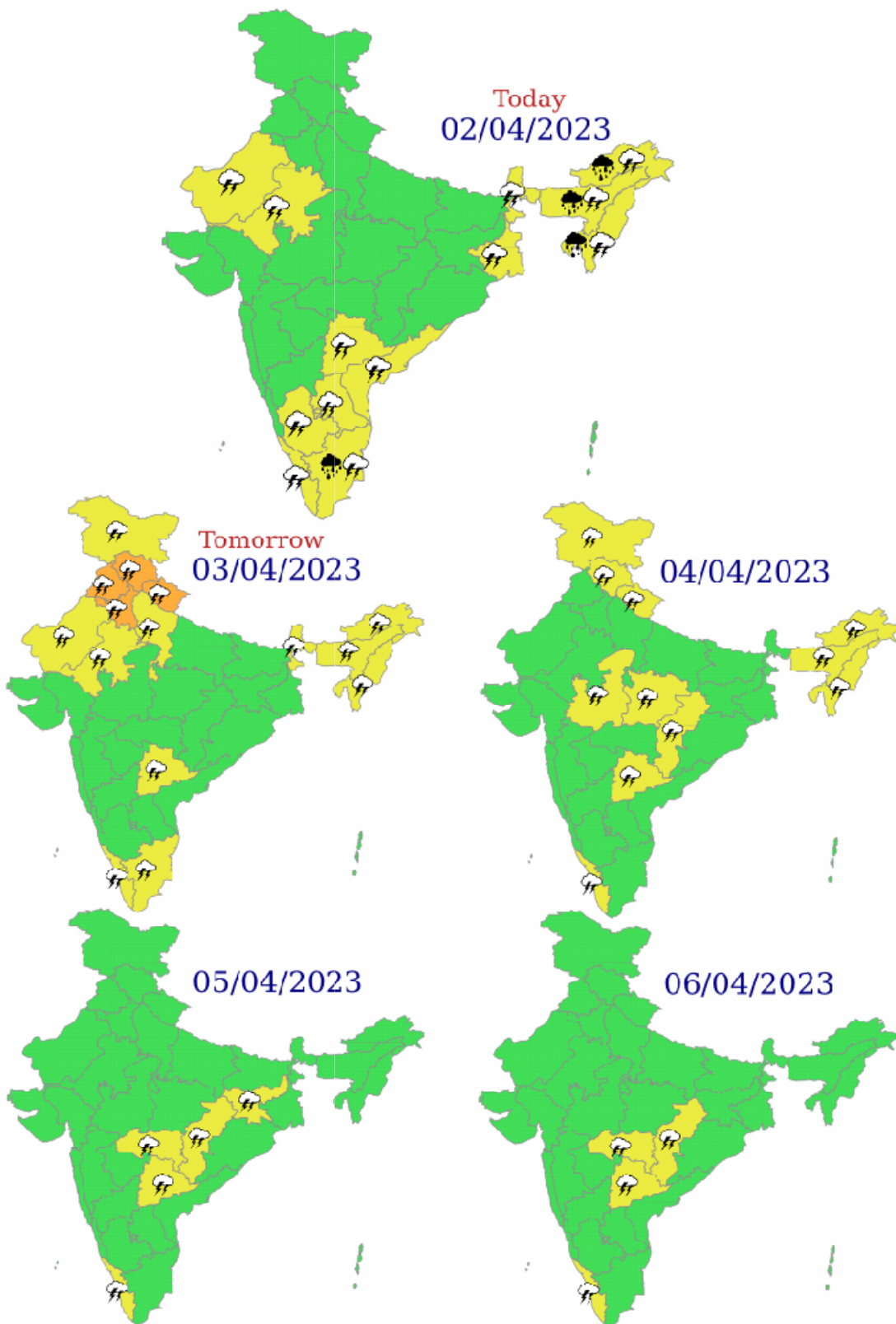
Advisory for farmers:

- Postpone harvesting of matured crops in Arunachal Pradesh, east Assam, Nagaland, Manipur, Punjab and Haryana; keep already harvested produce in a safe place or cover the heaps of already harvested produce in the field with tarpaulin sheets.
- Complete the harvesting of matured crops in Jammu & Kashmir, Himachal Pradesh, Uttarakhand during clear weather; keep the harvest at safe place or cover the harvested produce in the fields

For more details kindly refer:

https://mausam.imd.gov.in/responsive/all_india_forcast_bulletin.php
<https://mausam.imd.gov.in/responsive/districtWiseNowcast.php>

- ❖ **Light/moderate rainfall/thundershowers** observed at most places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh; **at many places** over Punjab, Gangetic West Bengal, Assam & Meghalaya; **at a few places** over Haryana, Chandigarh & Delhi, Odisha, Jharkhand, Nagaland, Manipur, Mizoram & Tripura and Coastal Andhra Pradesh and **at isolated places** over East Uttar Pradesh, Rajasthan, East Madhya Pradesh, Chhattisgarh, Bihar, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe, Telangana and Rayalaseema.
- ❖ **Very Heavy rainfall** occurred at isolated over Tamilnadu and **heavy rainfall** at isolated places over Coastal Andhra Pradesh and south Odisha.
- ❖ **Thunderstorm observed** (from 0830 hours IST of yesterday to 0830 hours IST of today): at isolated places over Himachal Pradesh, Punjab, Haryana & Delhi, Uttarakhand, Rajasthan, East Uttar Pradesh, Jharkhand, Odisha, West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Coastal Andhra Pradesh & Yanam, Rayalaseema, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.
- ❖ **Hailstorm** observed at isolated places over Himachal Pradesh, Uttarakhand, Punjab, Haryana, south Odisha and Sub-Himalayan West Bengal & Sikkim.
- ❖ **Significant amount of rainfall (in cm):**
 - **Coastal Andhra Pradesh:** Ichchapuram (dist Srikakulam) 7, Kandukur (dist Spsr Nellore) 5, Darsi (dist Prakasam) 4, Bobbili (dist Vizianagaram) 4, Mundlamuru (dist Prakasam) 4, Jiyyamma Valasa (dist Parvathipuram Manyam) 4, Marripudi (dist Prakasam) 4.
 - **Tamilnadu:** Dharmapuri: Palacode-12, Pappireddipatti-5; Dindigul: Vedasadur-12, Kamatchipuram-10; Kallakurichi: Thiyagadurgam-9.
 - **Punjab:** Kapurthala (dist Kapurthala) 4,
 - **Odisha:** Gangam: Gopalpur-11, Rangeilunda-8.



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