



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

**Press Release
Date: 27th April, 2023
Time of Issue: 1315 hours IST**

Subject: Wet spell with thunderstorm activity over most parts of the country during next 5 days.

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

Significant Meteorological features:

- ❖ A Western Disturbance as a cyclonic circulation lies over south Pakistan & neighbourhood in lower & middle levels.
- ❖ A cyclonic circulation lies over central Pakistan in lower levels.
- ❖ A trough/wind discontinuity runs from west Vidarbha to north Tamil Nadu in lower levels.

Forecast and warning for next 5 days

Central India:

- ❖ Scattered/fairly widespread rainfall with thunderstorm/lightning/gusty winds (40-50 kmph) very likely over Madhya Pradesh, Vidarbha, Chhattisgarh during next 5 days.
- ❖ **Hailstorm** very likely at isolated places over East Madhya Pradesh, Vidarbha during 27th-29th and Chhattisgarh on 30th April.
- ❖ **Heavy rainfall** very likely at isolated places over Vidarbha on 28th April.

South India:

- ❖ Scattered/fairly widespread rainfall with thunderstorm/lightning/gusty winds (40-50 kmph) very likely over Andhra Pradesh, Telangana, Interior Karnataka, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe during next 5 days.
- ❖ **Hailstorm** very likely at isolated places over Telangana on 27th April.
- ❖ **Heavy rainfall** likely at isolated places over Kerala during next 5 days; North Interior Karnataka on 29th; South Interior Karnataka during 29th April-01st May; Tamil Nadu on 30th April & 01st May.

East India:

- ❖ Light/moderate scattered to fairly widespread **rainfall** with thunderstorm/lightning/gusty winds very likely over the region during next 5 days.
- ❖ **Hailstorm** very likely at isolated places over Odisha on 27th, 28th & 30th April.
- ❖ **Heavy rainfall** likely at isolated places over Odisha on 28th April.

Northeast India:

- ❖ Light/moderate fairly widespread to widespread rainfall with thunderstorm/lightning/gusty winds very likely over the region during next 5 days.
- ❖ **Heavy rainfall** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya during 28th April-01st May and over Nagaland, Manipur, Mizoram & Tripura on 29th April.

Northwest India:

- ❖ Light/moderate scattered rainfall/snowfall with thunderstorm/lightning very likely over Western Himalayan Region and isolated to scattered rainfall with thunderstorm/lightning over plains of Northwest India during next 5 days.
- ❖ **Hailstorm** activity very likely at isolated places over Himachal Pradesh on 27th; over Uttarakhand during 27th April-01st May; over Punjab and Haryana on 29th & 30th April. **Heavy rainfall** likely at isolated places over Jammu division, Himachal Pradesh and Uttarakhand on 01st May.
- ❖ **Duststorm** very likely at isolated places over Rajasthan during 27th-30th April, 2023.

West India:

- ❖ Light isolated to scattered rainfall with thunderstorm/lightning very likely over Madhya Maharashtra &

Marathwada and light isolated rainfall over Gujarat state during next 5 days.

- ❖ **Hailstorm** activity very likely at isolated places over Madhya Maharashtra today and Marathwada on 27th & 28th April.

Maximum Temperatures observed:

- ❖ Yesterday, Maximum Temperatures were below 40°C over most parts of the country except over some parts of Saurashtra & Kutch and at isolated places over southwest Madhya Pradesh & Madhya Maharashtra.
- ❖ Maximum Temperatures were below normal over most parts of the country.

Maximum Temperatures Forecast and Heat Wave Warnings (Graphics in Annexure II):

- ❖ Maximum temperatures are very likely to be below normal to near normal during next 5 days.
- ❖ **No Heat wave conditions likely over any part of India during next 5 days.**

For more details kindly refer:

https://mausam.imd.gov.in/responsive/all_india_forecast_bulletin.php

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

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

- ✓ East Madhya Pradesh, Vidarbha during 27th-29th
- ✓ Odisha, Marathwada on 27th & 28th; Telangana on 27th April.
- ✓ Himachal Pradesh on 27th; over Uttarakhand during 27th April-01st May; over Punjab and Haryana on 29th & 30th 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:

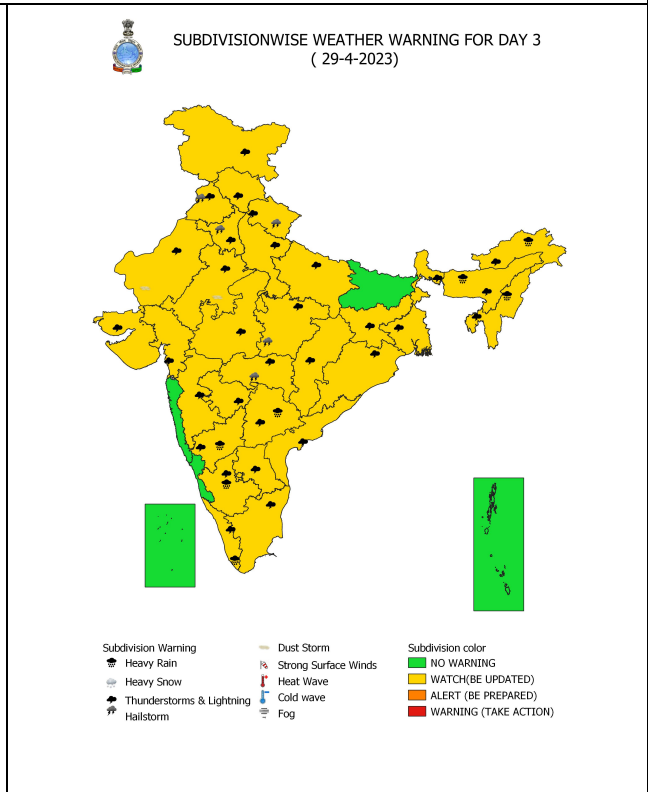
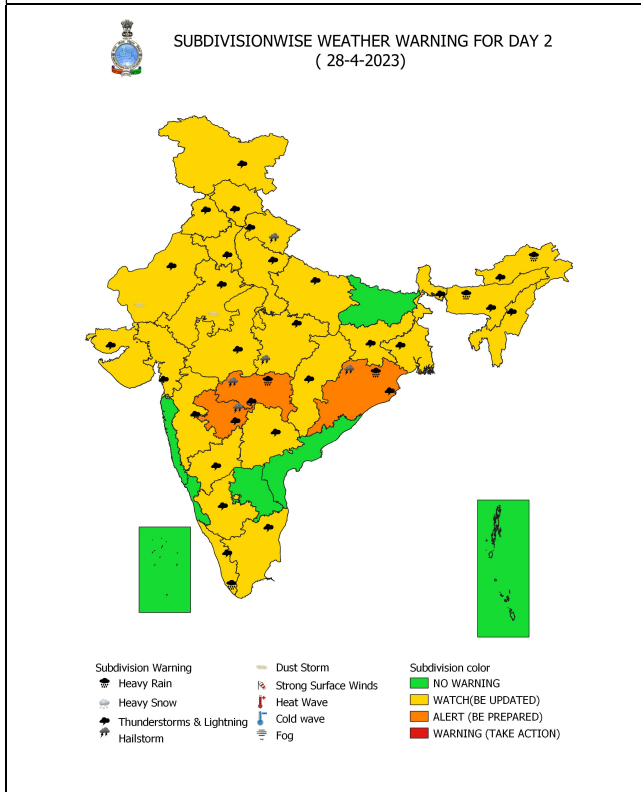
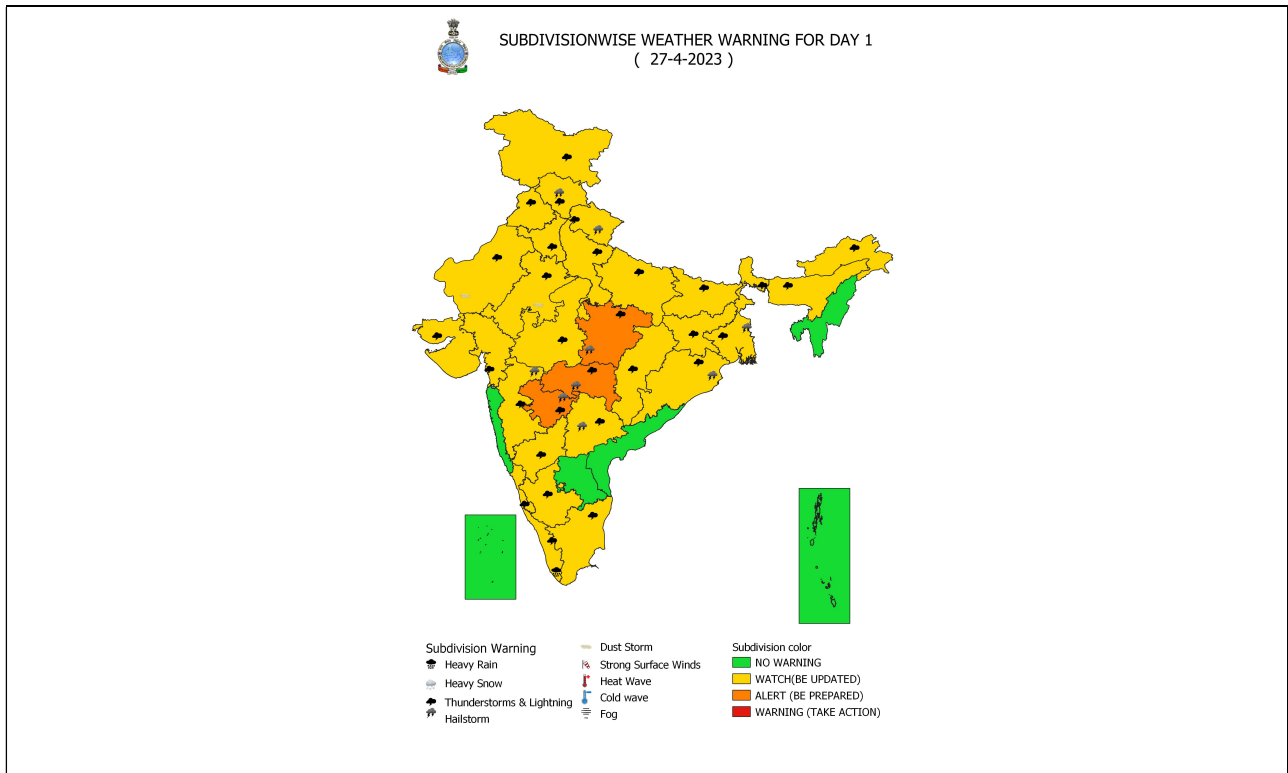
- Stay indoors, close windows & doors and avoid travel if possible.
- Take safe shelters; do not take shelter under trees.
- Do not lie on concrete floors and do not lean against concrete walls.
- Unplug electrical/ electronic appliances.
- Immediately get out of water bodies.
- Keep away from all the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

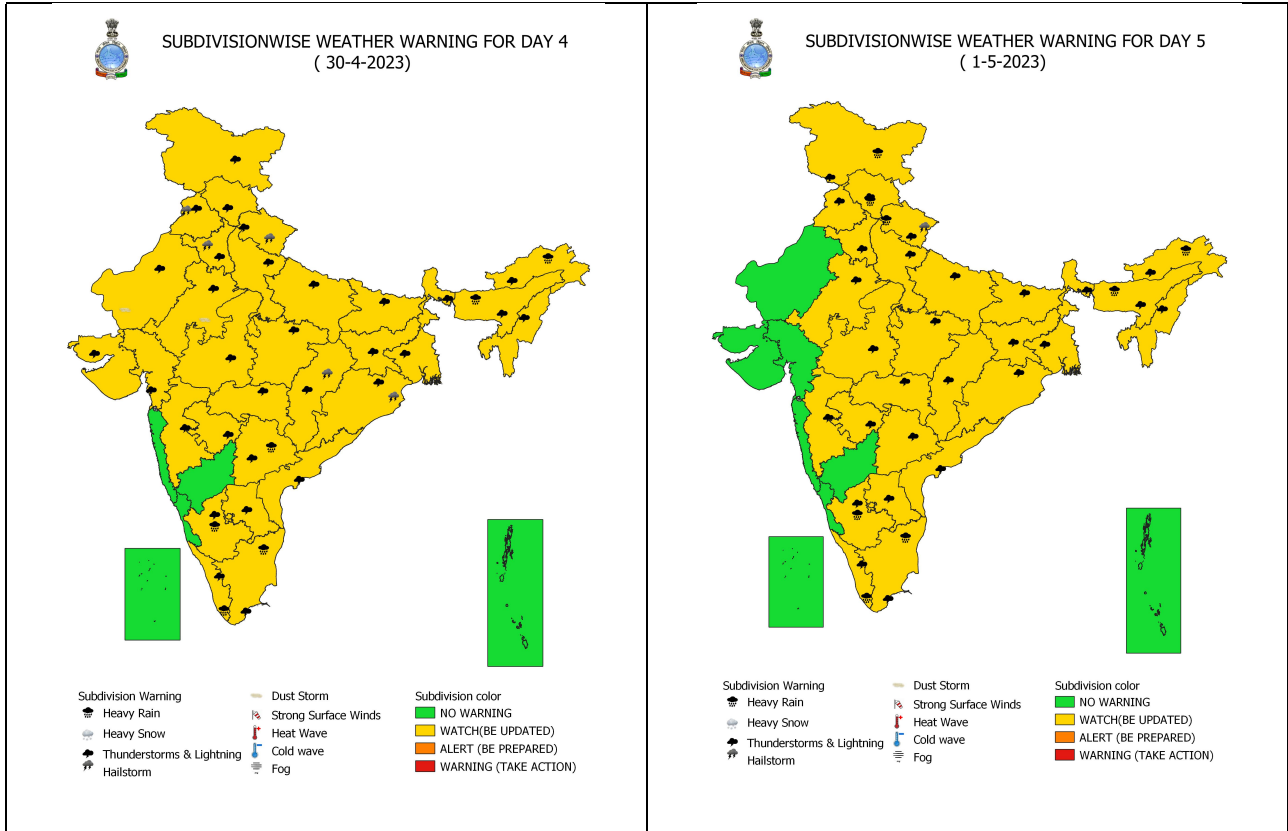
Agromet advisories for thunderstorms/lightning/gusty winds/ Hailstorm likely over various parts of the country:

- Complete harvesting of matured rice, maize and bajra in Telangana; rice in Kerala, Odisha and Interior Karnataka; green gram and black gram in Tamilnadu; mustard in Arunachal Pradesh; wheat in Himachal Pradesh and Uttarakhand during clear weather and keep the harvested produce in safer places.
- Continue harvesting of matured maize, fruits (grapes, pomegranate, mango etc.), onion and other vegetables in Madhya Maharashtra, Marathwada and Vidarbha during clear weather and keep the harvested produce in safer places.
- Maintain proper drainage channels in crop fields to avoid water stagnation in Arunachal Pradesh, Assam & Meghalaya, Odisha, Kerala, Interior Karnataka and Telangana.
- Use hail nets to protect orchards in Himachal Pradesh, Uttarakhand, East Madhya Pradesh, Odisha, Gangetic West Bengal, Madhya Maharashtra, Marathwada, Vidarbha and Telangana.
- Provide mechanical support to horticultural crops and staking to vegetables.

Observations: (from 0830 hours IST of yesterday to 0830 hours IST of today):

- **Rainfall/thundershowers observed: at most places over** Jammu& Kashmir, Gilgit- Baltistan & Muzaffarabad, **at many places over** Sub-Himalayan West Bengal & Sikkim, East Madhya Pradesh, Vidarbha, Kerala & Mahe; **at a few places over** Himachal Pradesh, West Madhya Pradesh, Arunachal Pradesh, Assam & Meghalaya, Gangetic West Bengal; **at isolated places over** Nagaland, Manipur, Mizoram & Tripura, Andaman & Nicobar Islands, Bihar, Jharkhand, Odisha, East Uttar Pradesh, Uttarakhand, Punjab, Rajasthan, Gujarat state, Chhattisgarh, Madhya Maharashtra, Marathawada, Coastal & South Interior Karnataka, Telangana, Rayalaseema and Tamil Nadu, Puducherry & Karaikal.
- ❖ **Significant rainfall recorded**(in cm): **Kerala:** Neyyattinkara (dist Thiruvanthapuram) 7, Chalakudy (dist Thrissur) 4; **Tamil Nadu:** Nanguneri (dist Tirunelveli) 7; **Vidarbha:** Arni (dist Yeotmal) 5, Pandherikawara (dist Yeotmal) 5, Ghatanji (dist Yeotmal) 5, Babulgaon (dist Yeotmal) 5; **Jamu & Kashmir:** Badgam, Bandipore, Gulmarg, Badarwah, Shalimar-4 each, Kukernag, Baramula, Kupwara, Shopian, Pulwama, Batote, Ganderbal-3 each, Pahalgam, Udhampur-2 each, **Himachal Pradesh:** Chamba-4, Kangra-3; **Madhya Pradesh:** Berasia (dist Bhopal) 4, Ashta-aws (dist Sehore) 3, Buxwaha (dist Chhatarpur) 3, **Assam:** Kampur (dist Nagaon) 3, **Sub-Himalayan West Bengal:** Jalpaiguri 3.
- ❖ **Heavy rainfall recorded: Heavy rainfall** at isolated places over Tamilnadu and Kerala.
- ❖ **Hailstorm observed:** at isolated places over Himachal Pradesh, East Rajasthan, Madhya Pradesh, Vidarbha, Chhattisgarh, Madhya Maharashtra and Marathawada.





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)

Subdivision Warning	Dust Storm	Subdivision color
Heavy Rain	Strong Surface Winds	NO WARNING
Heavy Snow	Heat Wave	WATCH(BE UPDATED)
Thunderstorms & Lightning	Cold wave	ALERT (BE PREPARED)
Hailstorm	Fog	WARNING (TAKE ACTION)

Probabilistic Forecast	
Terms	Probability of Occurrence (%)
Unlikely	< 25
Likely	25 - 50
Very Likely	50 - 75
Most Likely	> 75