



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

**Press Release
Date: 28th April, 2023
Time of Issue: 1315 hours IST**

Subject: Wet spell with thunderstorm activity likely to continue 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:

- ❖ Two Western Disturbances seen as a cyclonic circulation in lower & middle levels, 1st over north Pakistan & neighbourhood and 2nd over south Pakistan & neighbourhood.
- ❖ A trough runs from Maldives to Madhya Maharashtra in lower levels.
- ❖ A fresh Western Disturbance is likely to affect Northwest India from the night of 01st May, 2023.

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 Vidarbha during 28th-30th; over East Madhya Pradesh on 28th; West Madhya Pradesh on 30th April.
- ❖ **Heavy rainfall** very likely at isolated places over Vidarbha on 28th & 30th April.

South India:

- ❖ Scattered/fairly widespread rainfall with thunderstorm/lightning/gusty winds (40-50 kmph) very likely over Coastal Andhra Pradesh, Telangana, Rayalaseema, Interior Karnataka, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe during next 5 days; over Lakshadweep during 28th-30th; North Interior Karnataka during 28th-29th April.
- ❖ **Hailstorm** very likely at isolated places over Telangana during 28th-30th and North Interior Karnataka on 28th April.
- ❖ **Heavy rainfall** likely at isolated places over Kerala and Tamil Nadu, Puducherry & Karaikal during next 5 days; North Interior Karnataka on 28th & 29th April; South Interior Karnataka during 29th April-01st May; over Telangana during 29th-30th 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 28th & 30th April; Jharkhand and Gangetic West Bengal on 30th April & 01st May.
- ❖ **Heavy rainfall** likely at isolated places over Sub-Himalayan West Bengal & Sikkim during 29th April-1st May; Odisha on 30th 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 during 28th April-02st May; Assam & Meghalaya during 29th April-02nd May and over Nagaland, Manipur, Mizoram & Tripura during 01st-02nd May.

Northwest India:

- ❖ Light/moderate isolated/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 3 days and fairly widespread/widespread rainfall over the region during 01st-04th May, 2023.

- ❖ **Hailstorm** activity very likely at isolated places over Rajasthan on 28th & 29th; Uttarakhand during 29th April-02nd May; over Himachal Pradesh, Punjab, Haryana & Chandigarh, Uttar Pradesh during 01st-02nd May.
- ❖ **Heavy rainfall** likely at isolated places over Jammu division, Himachal Pradesh and Himachal Pradesh on 01st & 02nd May.
- ❖ **Duststorm** very likely at isolated places over Rajasthan during 28th-29th April, 2023.

West India:

- ❖ Light isolated to scattered rainfall with thunderstorm/lightning very likely over Madhya Maharashtra & Marathwada and light isolated rainfall over Gujarat region during next 5 days.
- ❖ **Hailstorm** activity very likely at isolated places over Madhya Maharashtra and Marathawada on 28th April.

Maximum Temperatures observed:

- ❖ Yesterday, Maximum Temperatures were below 40°C over most parts of the country.
- ❖ 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

- Vidarbha, Telangana during 28th-30th; over East Madhya Pradesh on 28th; West Madhya Pradesh & Chhattisgarh on 30th April.
- Jharkhand, Gangetic West Bengal on 30th April & 01st May; Odisha on 30th, Madhya Maharashtra, Marathawada, North Interior Karnataka on 28th April.
- Uttarakhand during 28th April-02nd May; over Punjab, Haryana, Uttar Pradesh on 01st & 02nd 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.

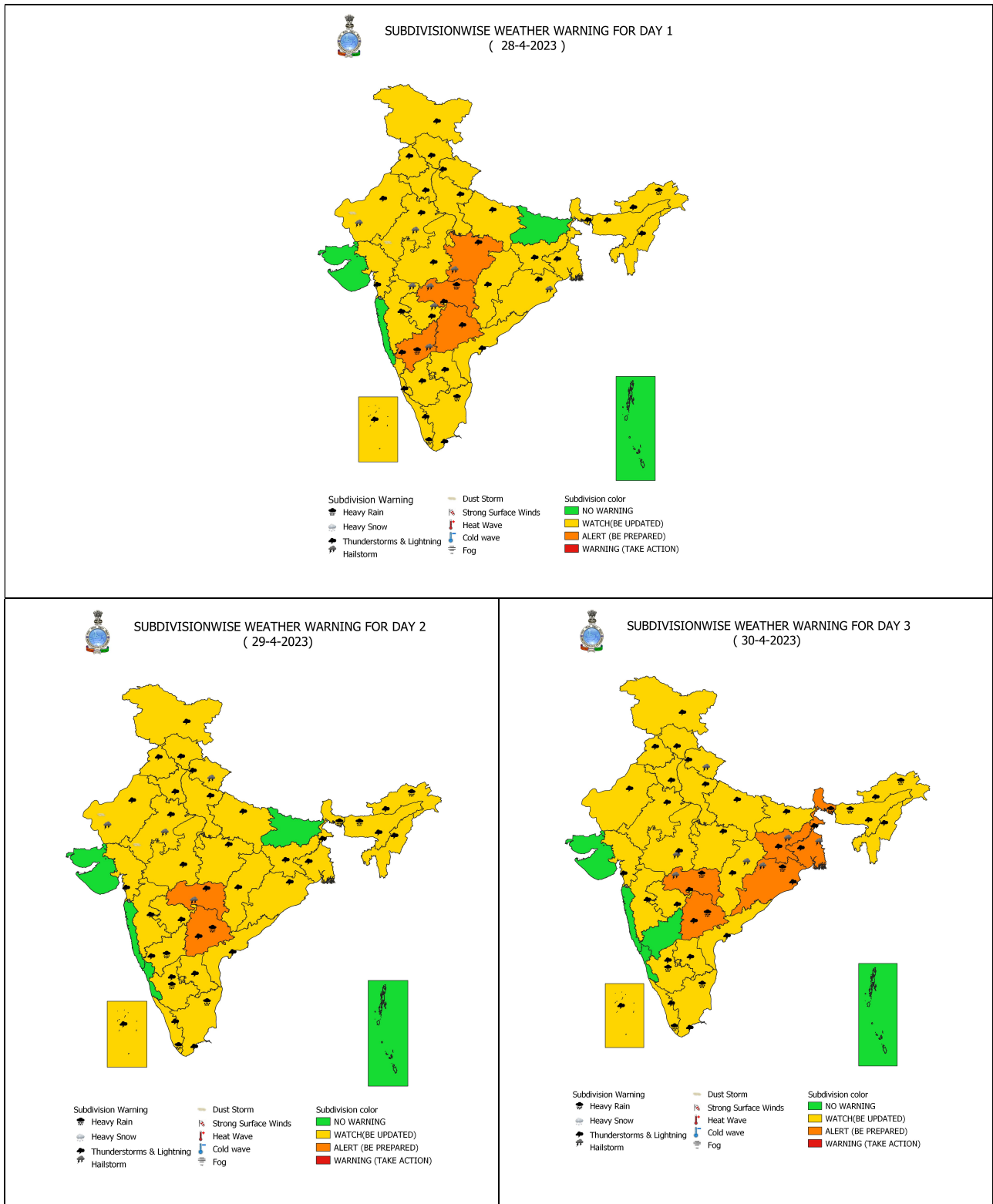
Agromet advisories for thunderstorms/lightning/gusty winds/ Hailstorm likely over various parts of the country:

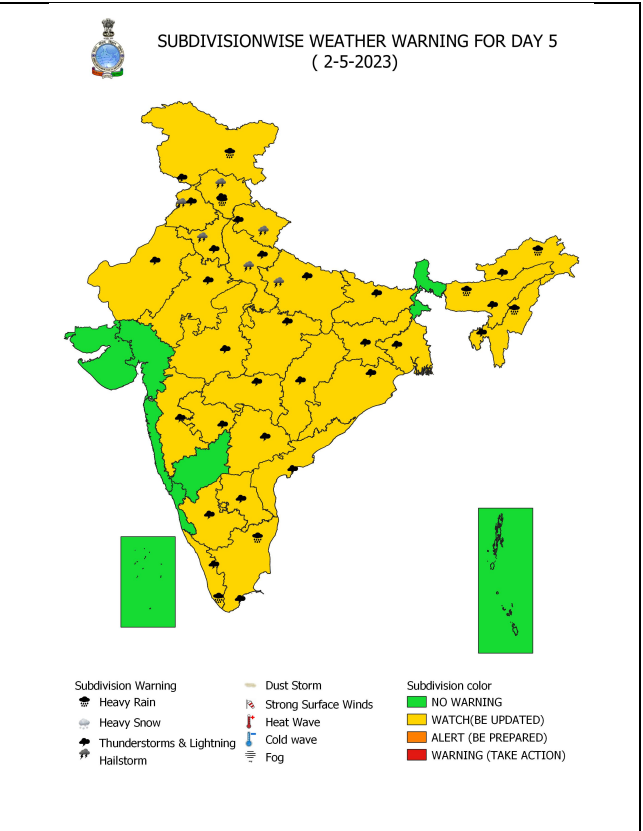
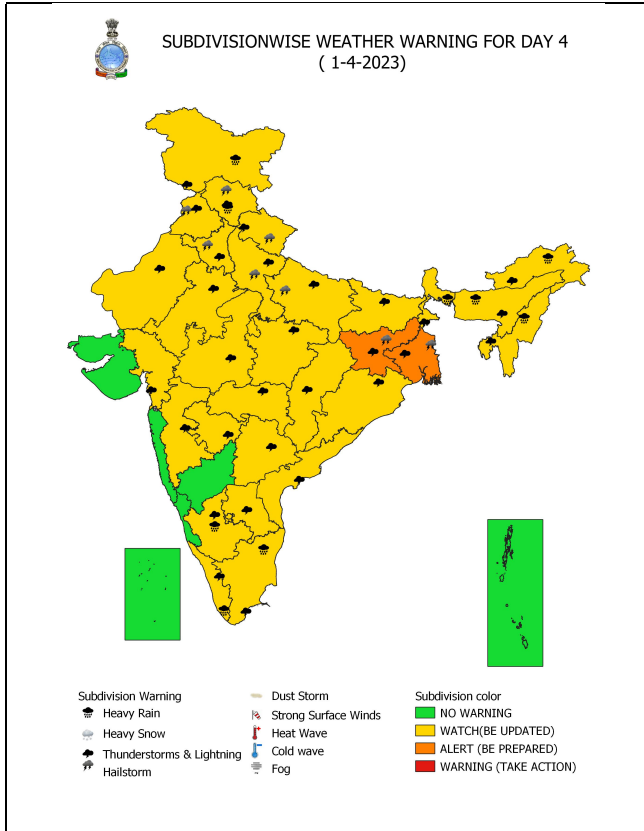
- Harvesting of matured rice, maize and bajra in Telangana; rice in Kerala, Odisha and Interior Karnataka; green gram and black gram in Tamilnadu; wheat in Himachal Pradesh and Uttarakhand during clear weather and keep the harvested produce in safer places.
- Continue harvesting of matured maize, fruits (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.
- Drain out excess water from crop fields to avoid water stagnation in Arunachal Pradesh, Assam & Meghalaya, Odisha, Tamil Nadu, Kerala, Vidarbha, North Interior Karnataka and Telangana.
- Use hail nets to protect orchards in Uttarakhand, Punjab, Haryana, Rajasthan, East Madhya Pradesh, Odisha, Madhya Maharashtra, Marathwada, Vidarbha, North Interior Karnataka and Telangana.
- Provide mechanical support to horticultural crops and staking to vegetables.

Annexure I

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

- ❖ **Rainfall/thundershowers observed:** at most places over Uttarakhand and Vidarbha; at many places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh, Gangetic West Bengal and Assam & Meghalaya; at a few places over Haryana, Chandigarh & Delhi, Chhattisgarh, East Madhya Pradesh, Odisha, Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, South Interior Karnataka, Telangana, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe; at isolated places over West Madhya Pradesh, Rajasthan, Saurashtra & Kutch, East Madhya Pradesh, Konkan & Goa, Madhya Maharashtra, Bihar, North Interior Karnataka and Andaman & Nicobar Islands.
- ❖ **Significant rainfall recorded**(in cm): **Tamil Nadu:** Dindigul: Kodaikanal-11; **North Interior Karnataka:** Bidar-9; kalaburgi-7; **Kerala:** Ernakulam: Kalamassery-7; **Marathawada:** Udgir - Imd Parttime (dist Latur) 9, Nilanga (dist Latur) 7, Shirur Anantpal (dist Latur) 5, Jalkot (dist Latur) 5; **West Bengal & Sikkim:** West Midnapoore-7, East Sikkim-6, North 24 Parganas, Howrah, Nadia-5 each; **Odisha:** Balasore-5, **Jammu & Kashmir:** Arizaal Arg (dist Badgam) 3, Nowgam (dist Kupwara) 3, Asham Arg (dist Bandipore) 3, Gulmarg R.s. (dist Baramula) 3, **Himachal Pradesh:** Kullu, Hamirpur-3 each; **Assam & Meghalaya:** Mushalpur_aws (dist Baksa) 3, Shella (dist East Khasi Hills) 3.
- ❖ **Heavy rainfall recorded:** Heavy rainfall at isolated places over Gangetic West Bengal, North Interior Karnataka, Marathwada, Tamilnadu and Kerala & Mahe.
- ❖ **Hailstorm observed:** at isolated places over Gangetic West Bengal, Odisha, Uttarakhand, Himachal Pradesh, East Rajasthan, Madhya Pradesh, Marathwada and Vidarbha.









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

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