



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

**Press Release
Date: 24th April, 2023
Time of Issue: 1330 hours IST**

- Subject:** i) A Fresh spell of thunderstorm/hailstorm activity over Madhya Maharashtra, Marathwada, Telangana, south Madhya Pradesh and south Chhattisgarh during 25th-27th April.
ii) A fresh Wet spell over Western Himalaya Region from 26th April and over plains of Northwest India from 28th April.
iii) Rain/thundershowers over Tamil Nadu & Kerala to continue during next 3-4 days.
iv) No Heat wave conditions likely over the country during next 7 days (during 24-30 April).

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 northeast Rajasthan & neighbourhood in middle levels.
- ❖ A cyclonic circulation lies over central Madhya Pradesh and another over south Tamil Nadu in lower levels.
- ❖ A trough/wind discontinuity runs between the above two cyclonic circulations.
- ❖ **A fresh Western Disturbance is likely to affect Western Himalayan Region from 26th April.**

Maximum Temperatures observed:

- ❖ Yesterday, Maximum Temperatures were in the range of 36-39°C over some/many parts of Northwest, Central & East India, Gujarat, Andhra Pradesh & Yanam, interior parts of Maharashtra, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe; 30-35°C many parts of rest of the country except over Western Himalayan Region (15-25°C).
- ❖ Maximum Temperatures were normal or below normal over most parts of the country except over Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe where these are above normal by 2-3°C.

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

- ❖ **East India:** No significant change in maximum temperatures during next 2 days and rise by 2-4°C during the subsequent 3 days.
- ❖ **Northwest India:** No significant change in maximum temperatures during next 24 hours; rise by 2-3°C during subsequent 2 days and fall by 2-3°C thereafter.
- ❖ **West India:** Rise by 2-3°C in maximum temperatures over Gujarat during next 2 days and fall by 3-4°C thereafter.
- ❖ No significant change in maximum temperatures over rest parts of India during the next 5 days.
- ❖ **No Heat wave conditions over most parts of India during the next 7 days.**

Rainfall Forecast and Warnings (Graphics in Annexure II):

East India:

- ❖ Light/moderate scattered to fairly widespread **rainfall** with thunderstorm/lightning/gusty winds very likely over the region during next 4 days and gradual reduction thereafter.
- ❖ **Hailstorm** very likely at isolated places over Sub-Himalayan West Bengal & Sikkim on 25th April; over Odisha on 24th & 27th April.

Northeast India:

❖ Light/moderate scattered to fairly widespread rainfall with thunderstorm/lightning/gusty winds very likely over the region during next 24 hours and gradual reduction thereafter.

❖ **Heavy rainfall** likely at isolated places over Arunachal Pradesh and Assam & Meghalaya on 28th April.

Central India:

❖ Light/moderate isolated to scattered rainfall with thunderstorm/lightning/gusty winds very likely over Madhya Pradesh, Vidarbha and Chhattisgarh during next 5 days and gradual reduction thereafter.

❖ **Hailstorm** very likely at isolated places over Vidarbha & south Chhattisgarh on 25th & 26th and East Madhya Pradesh on 26th April.

South India:

❖ Light scattered/fairly widespread rainfall with thunderstorm/lightning/gusty winds very likely over Andhra Pradesh, Telangana, Interior Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe during next 4 days.

❖ **Heavy rainfall** very likely at isolated places over Coastal Andhra Pradesh and Tamil Nadu on 24th, over Kerala on 24th, 26th & 27th and over Telangana on 27th April.

❖ **Hailstorm** very likely at isolated places over Telangana during 24th-26th April.

West India:

❖ Light isolated/scattered rainfall with thunderstorm/lightning very likely over Madhya Maharashtra and Marathwada during next 5 days and over Gujarat on 27th & 28th April.

❖ **Hailstorm** activity very likely at isolated places over Madhya Maharashtra & Marathwada during 25th-27th April.

Northwest India:

❖ Light/moderate scattered to fairly widespread rainfall/snowfall with thunderstorm/lightning very likely over Western Himalayan Region during 26th-28th April and isolated to scattered rainfall with thunderstorm/lightning over plains of Northwest India during 27th-28th April and increase thereafter.

For more details kindly refer:

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

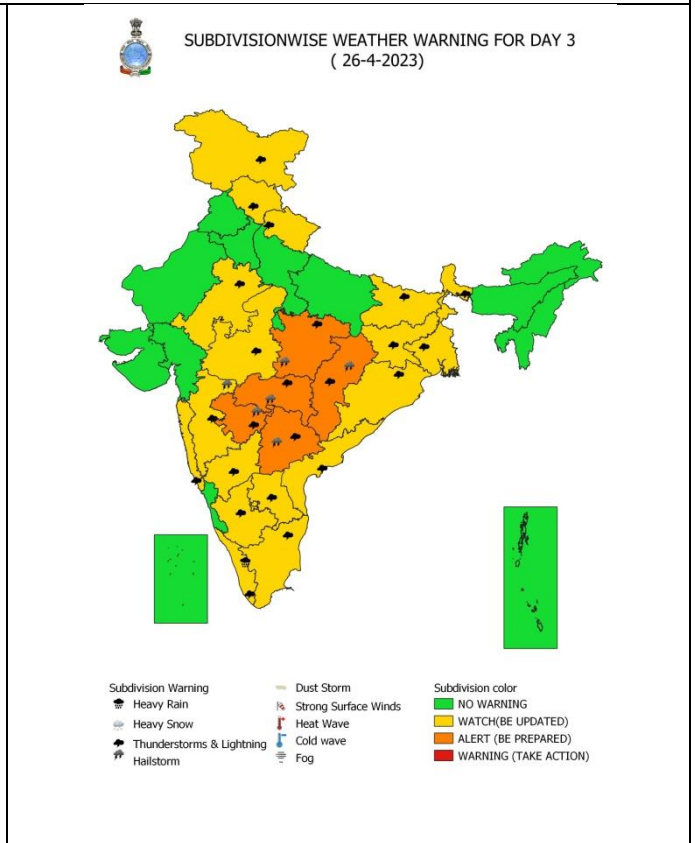
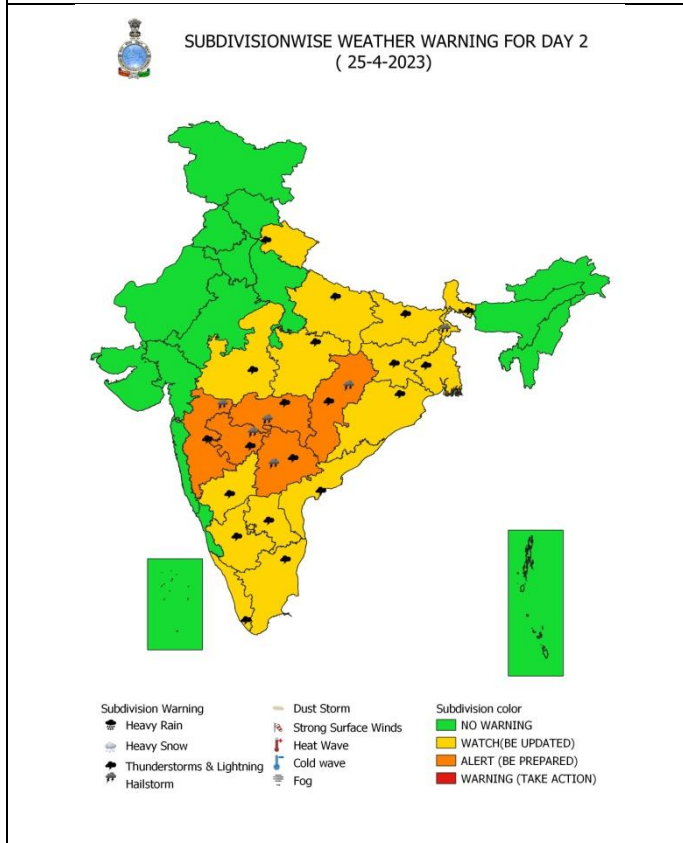
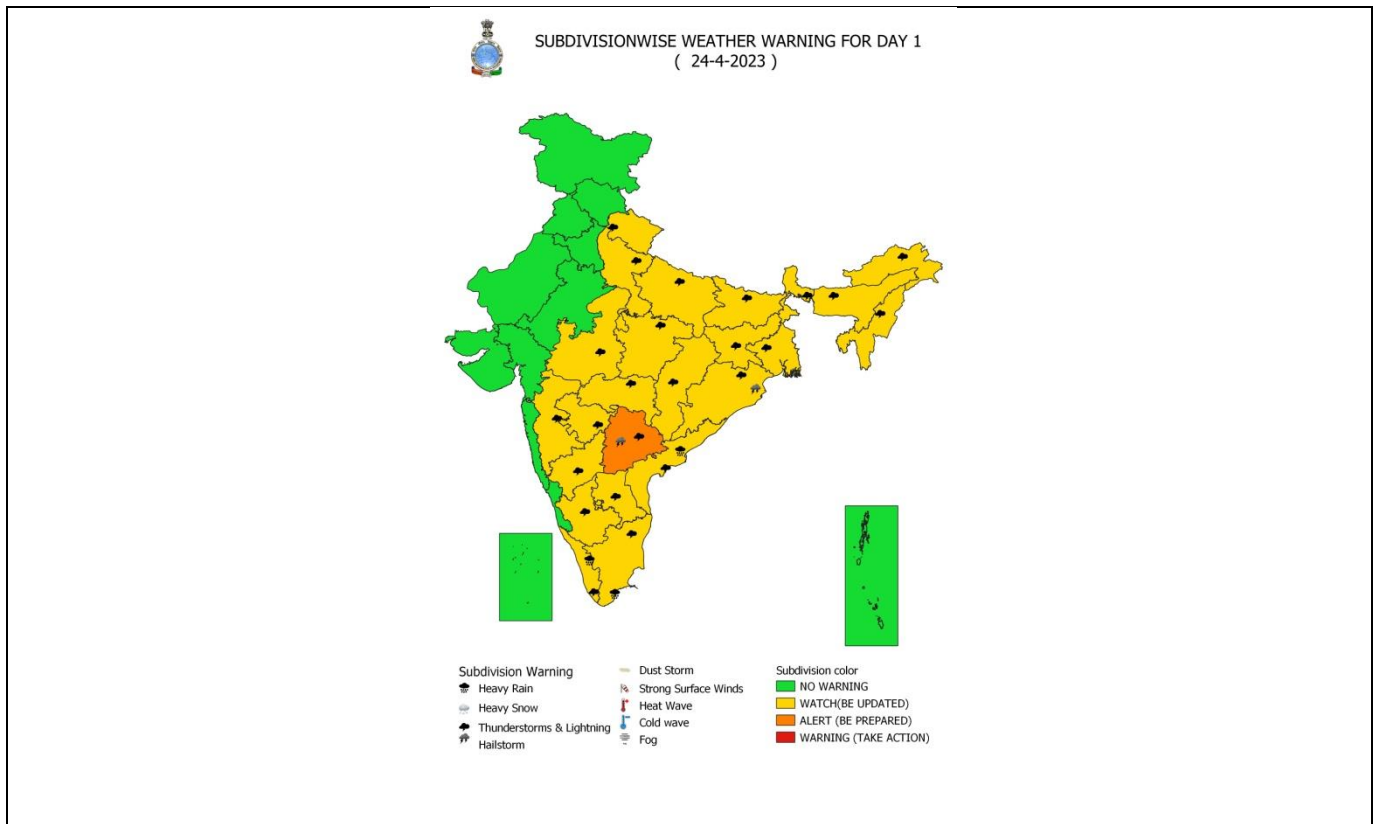
<https://mausam.imd.gov.in/responsive/districtWiseNowcast.php>

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

- Complete harvesting of matured rice, maize, groundnut and ragi in Andhra Pradesh; rice in Kerala, Telangana and Odisha; green gram and black gram in Tamilnadu; wheat in East Madhya Pradesh during clear weather and keep the harvested produce in safer places.
- Continue harvesting of maize, onion and other vegetables in Madhya Maharashtra, Marathwada and Vidarbha during the clear weather and keep the harvested produce in safer places.
- Postpone harvesting of rice in Arunachal Pradesh and keep the already harvested produce at safer places.
- Postpone sowing of maize and jhum rice in Arunachal Pradesh; cucumber and maize in Tamilnadu.
- Maintain proper drainage channels in crop fields to avoid water stagnation in Arunachal Pradesh, Assam & Meghalaya, Odisha, Tamil Nadu, Kerala and Coastal Andhra Pradesh.
- Use hail nets to protect orchards in Coastal Andhra Pradesh, Telangana, Sub Himalayan West Bengal & Sikkim, Odisha, Chhattisgarh, Madhya Maharashtra, Marathwada and Vidarbha.
- Provide mechanical support to horticultural crops and staking to vegetables.

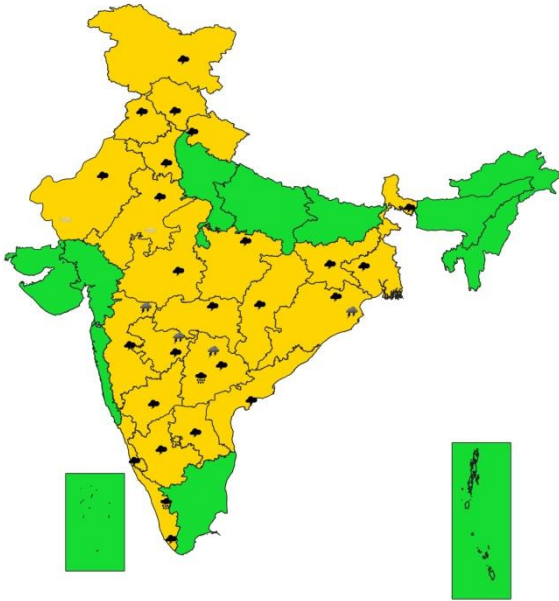
Observations: (from 0830 hours IST of yesterday to 0830 hours IST of today):

- **Rainfall/thundershowers observed: at most places over** East Uttar Pradesh; **at many places over** Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura; **at a few places over** West Bengal & Sikkim, Odisha, West Uttar Pradesh, East Madhya Pradesh, Chhattisgarh, Coastal Andhra Pradesh & Yanam, Tamilnadu, Puducherry & Karaikal; **at isolated places over** Andaman & Nicobar Islands, Jharkhand, Bihar, Uttarakhand, Haryana, Chandigarh & Delhi, Punjab, Rajasthan, West Madhya Pradesh, Vidarbha, Telangana, Rayalaseema, Interior Karnataka, Kerala & Mahe.
- ❖ **Significant rainfall recorded**(in cm): **Assam & Meghalaya:** Karimganj (dist Karimganj) 10, Dhemaji (dist Dhemaji) 7, Bhaghmara (dist South Garo Hills) 4, Mawsynram (dist East Khasi Hills) 4; **Nagaland, Manipur, Mizoram & Tripura:** Dharmanagar/ Panisagar (dist North Tripura) 10, Tuli Nsdma_aws (dist Mokokchung) 5, Zunheboto_ Aws (dist Zunheboto) 5; **Coastal Andhra Pradesh:** Kavali (dist Spsr Nellore) 7, Kandukur (dist Spsr Nellore) 6, Prathipadu(arg) (dist Kakinada) 5, **Tamil Nadu:** Dscl Kalayanallur (dist Kallakurichi), PWD Makkinampatti (dist Coimbatore) 9 each, Kinnakorai (dist Nilgiris), Ponnaniyar Dam (dist Trichy), Ketti (dist Nilgiris) 8 each, Kattumayilur (dist Cuddalore), Pollachi (dist Coimbatore), Manapparai (dist Trichy), Jamunamarathur (dist Tiruvannamalai) 7 each, Telangana: Khanapur (dist Warangal) 6, Narsampet (dist Warangal) 5, Kothaguda (dist Mahabubabad) 5, Jajireddigudem (dist Suryapet) 5, **Kerala:** Thodupuzha & Thodupuzha ARG (both in Idukki district) 4 each.
- ❖ **Heavy rainfall recorded: Heavy rainfall** at isolated places over Assam & Meghalaya, Tripura, Coastal Andhra Pradesh and Tamilnadu.
- ❖ **Thunderstorm observed:** at isolated places over Uttar Pradesh, East Madhya Pradesh, Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Odisha, Jharkhand, Chhattisgarh, Coastal Andhra Pradesh & Yanam, Rayalaseema, Tamilnadu, Puducherry & Karaikal and Kerala & Mahe.
- ❖ **Hailstorm observed:** at isolated places over Jharkhand, Odisha, East Uttar Pradesh, Chhattisgarh, Coastal Andhra Pradesh, Telangana and Tamil Nadu.





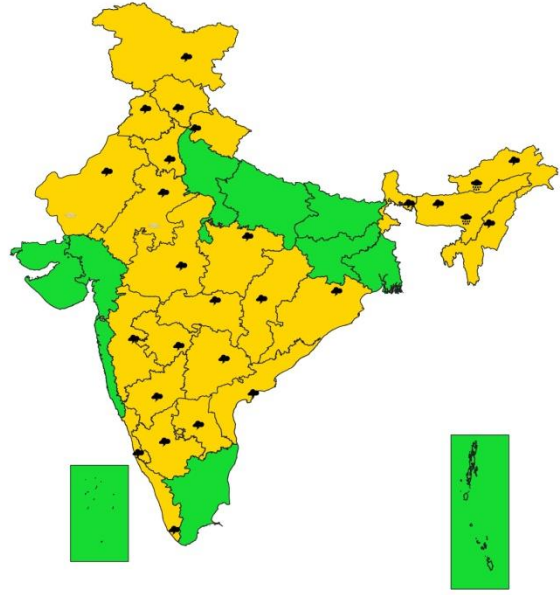
**SUBDIVISIONWISE WEATHER WARNING FOR DAY 4
(27-4-2023)**



- | | | |
|-----------------------------|------------------------|-------------------------|
| 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) |



**SUBDIVISIONWISE WEATHER WARNING FOR DAY 5
(28-4-2023)**



- | | | |
|-----------------------------|------------------------|-------------------------|
| 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) |

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