

National Weather Forecasting Centre India Meteorological Department Ministry of Earth Sciences

Wednesday, April 24, 2024 Time of Issue: 0745 hours IST (MORNING)

All India Impact Based Weather Warning Bulletin

24 April (Day 1):

- ❖ Thunderstorm accompanied with lightning & gusty winds (speed reaching 40-50 kmph) very likely at isolated places over Assam & Meghalaya; with lightning & gusty winds (speed reaching 30-40 kmph) at isolated places over Vidarbha, Chhattisgarh, Nagaland, Manipur, Madhya Maharashtra, Marathwada, Telangana, Interior Karnataka; with lightning at isolated places over Odisha, Arunachal Pradesh, Kerala & Mahe and Lakshadweep.
- ❖ **Heavy rainfall** very likely at isolated places over Arunachal Pradesh.
- ❖ Hot and humid weather very likely to prevail over Assam & Meghalaya, Tripura, Konkan & Goa, Rayalaseema, Coastal Andhra Pradesh & Yanam, Coastal Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.
- ❖ Heat wave to severe heat wave conditions very likely to prevail in some pockets over Gangetic West Bengal and in isolated pockets over coastal Odisha; heat wave conditions in isolated pockets over East Uttar Pradesh, Sub-Himalayan West Bengal, Bihar, Jharkhand, Tamil Nadu, Puducherry & Karaikal, Rayalaseema, Telangana, Coastal Andhra Pradesh & Yanam and Interior Karnataka.

25 April (Day 2):

- ❖ Thunderstorm accompanied with lightning & gusty winds (speed reaching 30-40 kmph) very likely at isolated places over Madhya Pradesh, Vidarbha, Chhattisgarh, Assam & Meghalaya, Madhya Maharashtra, Marathwada; with lightning at isolated places over Sub-Himalayan West Bengal & Sikkim, Nagaland, Manipur, Mizoram & Tripura.
- ❖ Hot and humid weather very likely to prevail over Assam & Meghalaya, Tripura, Konkan & Goa, Coastal Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.
- ❖ Heat wave to severe heat wave conditions very likely to prevail in some pockets over Gangetic West Bengal and in isolated pockets over coastal Odisha; heat wave conditions in isolated pockets over Uttar Pradesh, Sub-Himalayan West Bengal, Jharkhand, Bihar, Coastal Andhra Pradesh & Yanam, Rayalaseema, Telangana and Interior Karnataka.
- **Warm Night conditions** very likely to prevail in isolated pockets over Odisha.







26 April (Day 3):

- ❖ Thunderstorm accompanied with lightning & gusty winds (speed reaching 40-50 kmph) with hailstorm very likely at isolated places over Haryana-Chandigarh-Delhi; with gusty winds (speed reaching 30-40 kmph) and hailstorm very likely at isolated places over Punjab; with lightning and hailstorm at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad; with gusty winds (speed reaching 30-40 kmph) at isolated places over Uttarakhand, East Rajasthan, Madhya Pradesh, Chhattisgarh and Nagaland, Manipur, Mizoram & Tripura; with lightening at isolated places over Himachal Pradesh, West Uttar Pradesh, Vidarbha, Assam & Meghalaya and Sub-Himalayan West Bengal & Sikkim.
- ❖ Hot and humid weather very likely to prevail over Assam & Meghalaya, Tripura, Konkan & Goa, Coastal Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.
- ❖ Heat wave to severe heat wave conditions very likely to prevail in some pockets over Gangetic West Bengal and in isolated pockets over coastal Odisha; heat wave conditions in isolated pockets over Uttar Pradesh, Sub-Himalayan West Bengal, Jharkhand, Bihar, Coastal Andhra Pradesh & Yanam, Rayalaseema, Telangana and Interior Karnataka.
- ❖ Warm Night conditions very likely to prevail in isolated pockets over Odisha.

27 April (Day 4):

- ❖ Thunderstorm accompanied with lightning & gusty winds (speed reaching 40-50 kmph) with hailstorm likely at isolated places over Haryana-Chandigarh-Delhi and Punjab; with gusty winds (speed reaching 30-40 kmph) and hailstorm at isolated places over Uttarakhand; with lightning and hailstorm at isolated places over Himachal Pradesh; with lightning at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Vidarbha, Chhattisgarh, Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- ❖ Heavy rainfall likely at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and Arunachal Pradesh.
- ❖ Hot and humid weather likely to prevail over Coastal Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.
- ❖ Heat wave to severe heat wave conditions likely to prevail in some pockets over Gangetic West Bengal and in isolated pockets over coastal Odisha; heat wave conditions in isolated pockets over Uttar Pradesh, Sub-Himalayan West Bengal, Jharkhand, Bihar, Konkan & Goa, Coastal Andhra Pradesh & Yanam, Rayalaseema, Telangana and Interior Karnataka.
- **Warm Night conditions** likely to prevail in isolated pockets over Odisha.

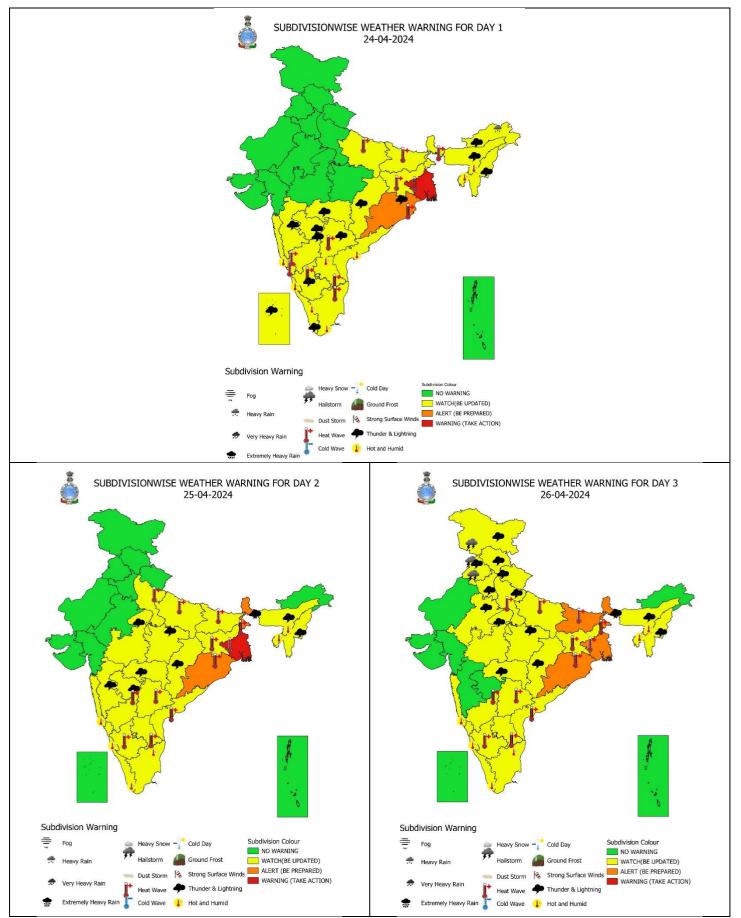
28 April (Day 5):

- ❖ Thunderstorm accompanied with gusty winds (speed reaching 30-40 kmph) and hailstorm likely at isolated places over Uttarakhand; with lightning and hailstorm at isolated places over Himachal Pradesh; with lightning & gusty winds (speed reaching 30-40 kmph) at isolated places over Haryana-Chandigarh-Delhi and Punjab; with lightning at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Vidarbha, Chhattisgarh, Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- **Heavy rainfall** likely at isolated places over Arunachal Pradesh.
- ❖ Hot and humid weather likely to prevail over Coastal Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.
- ❖ Heat wave to severe heat wave conditions likely to prevail in some pockets over Gangetic West Bengal and in isolated pockets over coastal Odisha; heat wave conditions in isolated pockets over Uttar Pradesh, Sub-Himalayan West Bengal, Jharkhand, Bihar, Konkan & Goa, Coastal Andhra Pradesh & Yanam, Rayalaseema, Telangana and Interior Karnataka.
- **Warm Night conditions** likely to prevail in isolated pockets over Odisha.



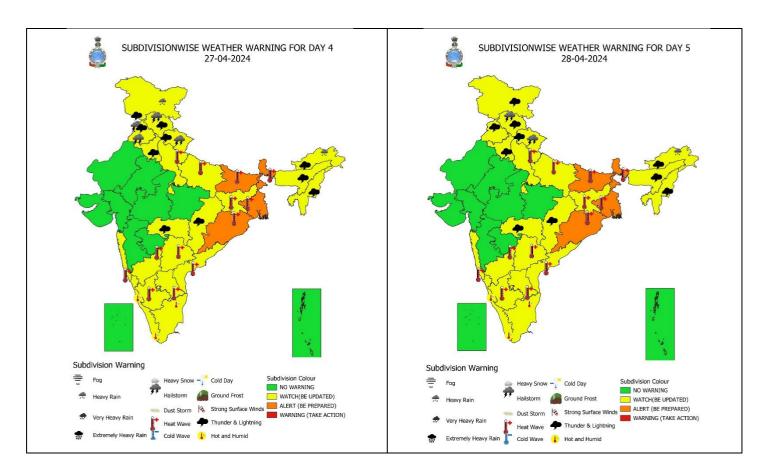


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Impact expected and action suggested due to thunderstorm accompanied with lightning/gusty winds & Hailstorm over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 26th and Himachal Pradesh & Uttarakhand on 27th April, 2024.

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.



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Impact & Action Suggested due to heavy/very heavy rainfall over Arunachal Pradesh on 24th & 27th April, 2024.

Impacts Expected for Rainfall/Snowfall over above regions:

- Disruption of Electricity.
- Landslide, rock fall and mudslides, Blocking/washout of roads/highways/bridges Nallahs.
- Disruption of traffic flow.
- Damage to Kuccha and unsecured structures.

Suggested Actions

- Avoid roadway underpasses, drainage ditches, low lying areas and areas where water collects they
 can unexpectedly flood or overflow.
- Stay away from power lines or electrical wires.
- Don't stay in kuchcha houses during heavy rainfall as it may collapse anytime soon.
- Drive carefully.

IMPACT & ACTION SUGGESTED due to Heat Wave Conditions:

Red alert Areas (Gangetic West Bengal)

- ❖ Very high likelihood of developing heat illness and heat stroke in all ages.
- ***** Extreme care needed for vulnerable people.

Orange alert Areas (Bihar, Odisha, Sub-Himalayan West Bengal)

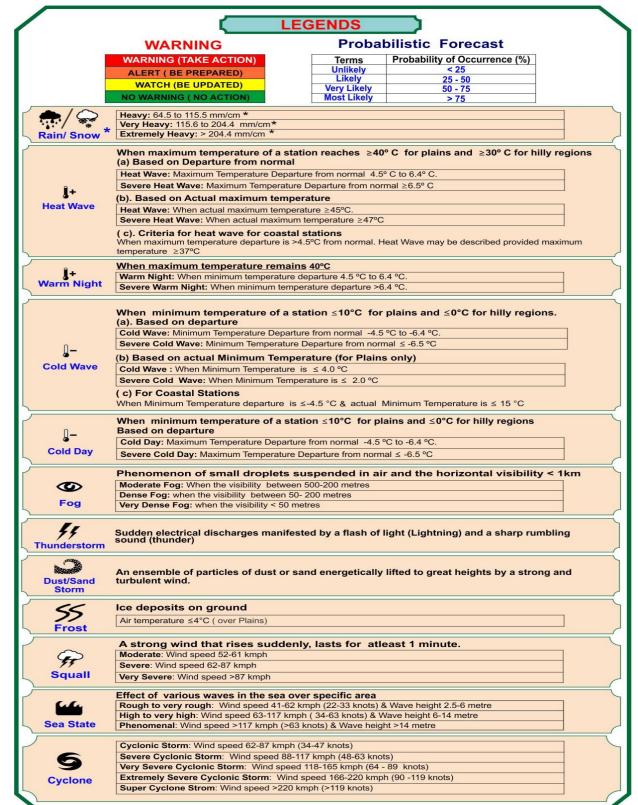
- ❖ High temperature & increased likelihood of heat illness symptoms in people who are either exposed to sun for a prolonged period or doing heavy work.
- ❖ High health concern for vulnerable people e.g. infants, elderly, people with chronic diseases.
- ❖ Avoid heat exposure− keep cool. Avoid dehydration.
- ❖ Drink sufficient water- even if not thirsty.
- Use ORS, homemade drinks like lassi, torani (rice water), lemon water, buttermilk, etc. to keep yourself hydrated
- ❖ Yellow alert Areas (Interior Karnataka, Rayalaseema, Tamil Nadu, Jharkhand, Telangana, Uttar Pradesh, Coastal Andhra Pradesh & Yanam, Konkan)
 - ❖ Moderate temperature & heat is tolerable for general public but moderate health concern likely for vulnerable people e.g. infants, elderly, people with chronic diseases.
 - Avoid heat exposure.
 - Wear lightweight, light colour, loose, cotton clothes.
 - Cover your head, use a cloth, hat or umbrella.

Agromet advisories for Heavy Rainfall, Hailstorm, Gusty Winds and Heat Wave likely over various parts of the country:

- ➤ Drain out excess water from crop field to avoid water stagnation in Arunachal Pradesh and Assam & Meghalaya. Postpone sowing of maize and cowpea in Arunachal Pradesh.
- ➤ Use hail nets or hail caps in fruit orchards to prevent mechanical damage and provide mechanical support to horticultural crops & staking to vegetables in Himachal Pradesh, Odisha, Madhya Pradesh, Vidarbha and Chhattisgarh. Provide mechanical support to horticultural crops & staking to vegetables.
- ➤ Apply light and frequent irrigation to standing crops to avoid heat stress; provide mulching to conserve soil moisture and minimize evaporation in Odisha, Gangetic West Bengal, Bihar, East Uttar Pradesh, Interior Karnataka and Tamilnadu.



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