

National Weather Forecasting Centre India Meteorological Department Ministry of Earth Sciences

Sunday, April 28, 2024 Time of Issue: 0800 hours IST (MORNING)

All India Impact Based Weather Warning Bulletin

28 April (Day 1):

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

29 April (Day 2):

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





30 April (Day 3):

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

01 May (Day 4):

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

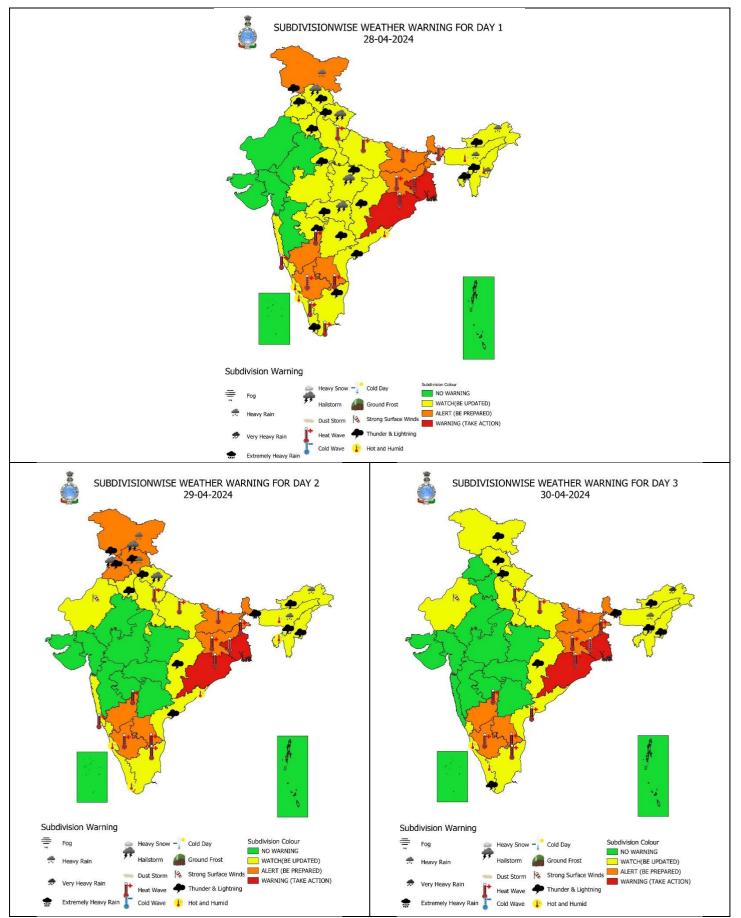
02 May (Day 5):

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



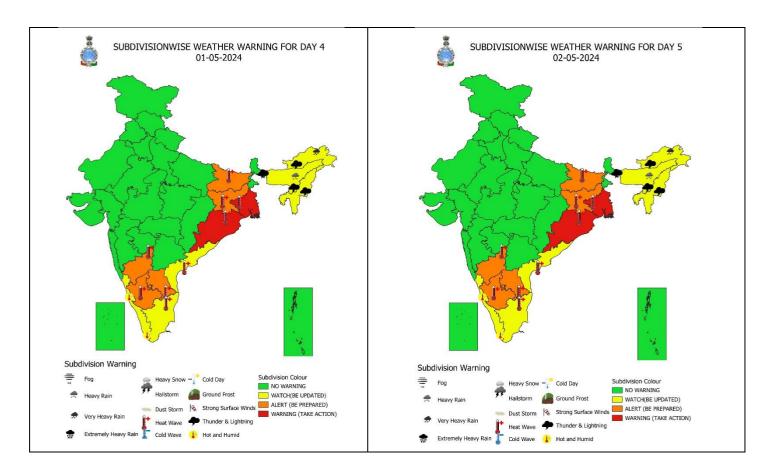


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Impact expected and action suggested due to thunderstorm accompanied with lightning/gusty winds & Hailstorm over Himachal Pradesh & Uttarakhand on 28th & 29th; Punjab, East Madhya Pradesh and Vidarbha on 28th April, 2024.

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 rainfall over Jammu-Kashmir-Gilgit-Baltistan-Muzaffarabad on 28th & 29th; Himachal Pradesh on 29th; Arunachal Pradesh and Assam & Meghalaya during 28th April-01st May, 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 & Odisha)

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

Orange alert Areas (Sub-Himalayan West Bengal, Bihar, Jharkhand, Rayalaseema & Interior Karnataka)

- 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 (Uttar Pradesh, Konkan, Coastal Andhra Pradesh & Yanam, Tamil Nadu and Kerala & Mahe)

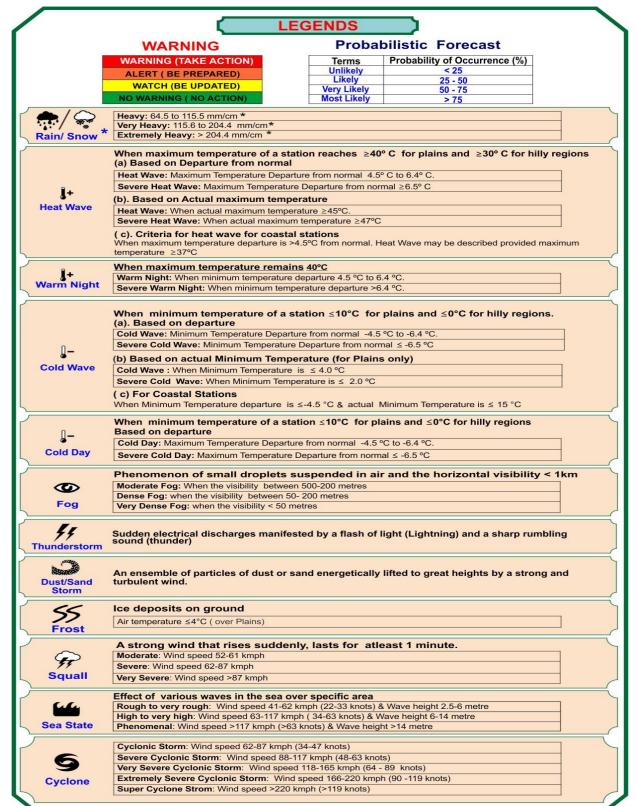
- Moderate temperature & heat is tolerable for general public but moderate health concern likely for vulnerable people e.g. infants, elderly, people with chronic diseases.
- Avoid heat exposure.
- Wear lightweight, light colour, loose, cotton clothes.
- Cover your head, use a cloth, hat or umbrella.

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

- Use hail nets or hail caps in fruit orchards to prevent mechanical damage and provide mechanical support to horticultural crops & staking to vegetables in Jammu & Kashmir, Himachal Pradesh, Punjab, Haryana, East Rajasthan, Madhya Pradesh and Marathwada. Keep the harvested produce at safer places or cover the heaps of harvested produce in the fields with tarpaulin sheets.
- In Jammu & Kashmir, withhold harvesting and threshing of wheat, mustard, late sown pea, chickpea and lentil; cover the already harvested produce with polythene sheet or tarpaulin; postpone transplanting of cucurbits and solanaceous vegetables and make necessary arrangements for draining out excess water from crop fields to avoid water stagnation.
- Apply light and frequent irrigation to standing crops to avoid heat stress; provide mulching to conserve soil moisture and minimise evaporation in West Bengal, Odisha, Bihar, Jharkhand, East Uttar Pradesh, Kerala, Interior Karnataka, Rayalaseema and Telangana.
- Provide mechanical support to horticultural crops & staking to vegetables to prevent damage from gusty winds.
- Provide mechanical support to horticultural crops & staking to vegetables to prevent damage from gusty winds.



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