

National Weather Forecasting Centre India Meteorological Department Ministry of Earth Sciences

Monday, April 29, 2024 Time of Issue: 2015 hours IST (NIGHT)

All India Impact Based Weather Warning Bulletin

29 April (Day 1):

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

30 April (Day 2):

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





01 May (Day 3):

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

02 May (Day 4):

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

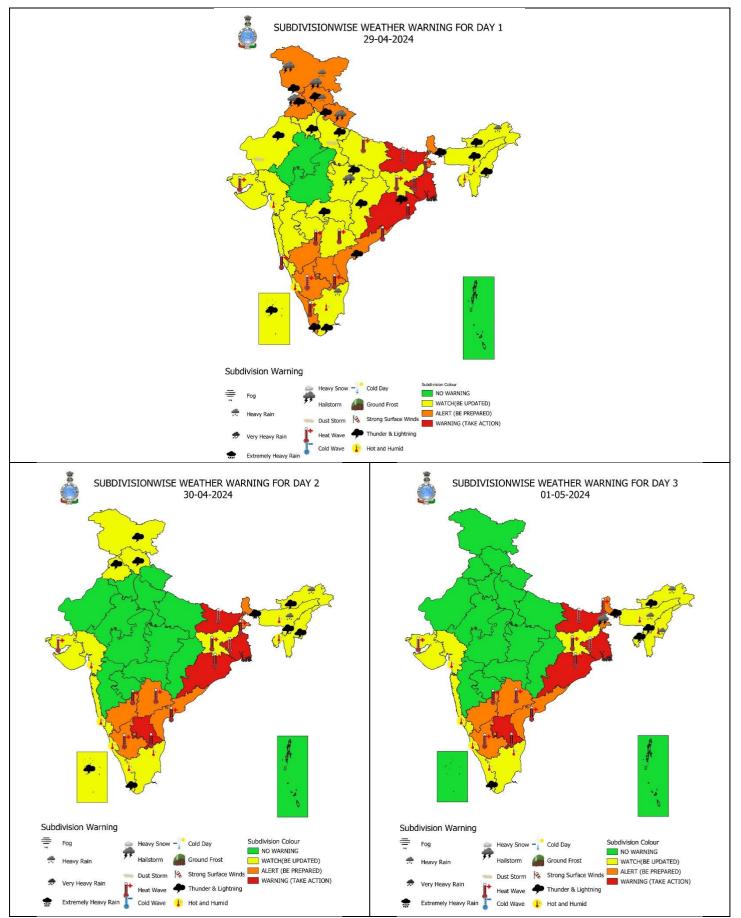
03 May (Day 5):

- ❖ 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 and with lightning at isolated places over Arunachal Pradesh and Kerala & Mahe.
- **Heavy rainfall** likely at isolated places over Nagaland & Manipur.
- ❖ Hot and humid weather likely to prevail over Konkan & Goa, Saurashtra & Kutch, Kerala & Mahe and Coastal Karnataka.
- ❖ Heat wave to severe heat wave conditions likely to prevail in isolated pockets over Rayalaseema; heat wave conditions in isolated pockets over Gangetic West Bengal, Bihar, Odisha, Coastal Andhra Pradesh & Yanam, Telangana, Tamil Nadu, Puducherry & Karaikal and Interior Karnataka.
- ❖ Warm night conditions likely to prevail in isolated pockets over Interior Karnataka.



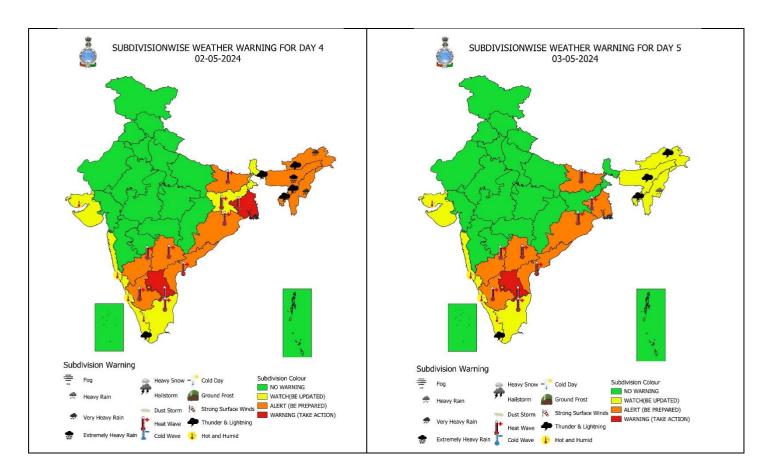


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Impact expected and action suggested due to thunderstorm accompanied with lightning/gusty winds & Hailstorm over Himachal Pradesh, Uttarakhand, Punjab and south Tamil Nadu on 29th April; over Sikkim on 01st May, 2024.

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 rainfall over Jammu-Kashmir-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh on 29th April; over Arunachal Pradesh during 29th April-02nd May; Assam & Meghalaya during 30th April-02nd May and Nagaland, Manipur, Mizoram & Tripura during 01st -03rd 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, Bihar, Rayalaseema)

- ✓ 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 & Sikkim, cap, Telangana, 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 (East Uttar Pradesh, Jharkhand, Saurashtra & Kutch, Konkan & Goa, Tamil Nadu, Puducherry & Karaikal)

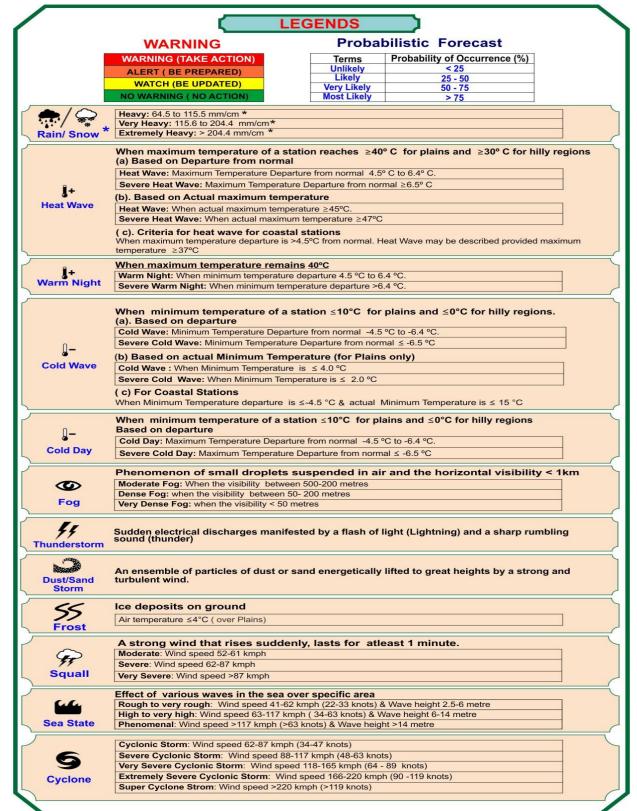
- ✓ Moderate temperature & heat is tolerable for general public but moderate health concern likely for vulnerable people e.g. infants, elderly, people with chronic diseases.
- ✓ Avoid heat exposure.
- ✓ Wear lightweight, light colour, loose, cotton clothes.
- ✓ Cover your head, use a cloth, hat or umbrella.

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 Himachal Pradesh, Uttarakhand and Punjab. 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 of wheat; shift already harvested produce of wheat, mustard, chickpea and pea from crop fields to safer places or cover the harvested produce with polythene sheet or tarpaulin; postpone sowing of vegetables, turmeric and transplanting of cucurbits.
- ➤ In Arunachal Pradesh, postpone sowing of maize, *jhum* upland rice and vegetables.
- Make necessary arrangements for draining out excess water from crop fields to avoid water stagnation in Jammu & Kashmir, Himachal Pradesh and North-Eastern States.
- 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, North Konkan, Saurashtra & Kutch, Kerala, Interior Karnataka, Andhra Pradesh and Telangana.
- Provide mechanical support to horticultural crops & staking to vegetables to prevent damage from gusty winds.



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