

National Weather Forecasting Centre India Meteorological Department Ministry of Earth Sciences

Saturday, April 27, 2024 Time of Issue: 0800 hours IST (MORNING)

All India Impact Based Weather Warning Bulletin

27 April (Day 1):

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

28 April (Day 2):

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





29 April (Day 3):

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

30 April (Day 4):

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

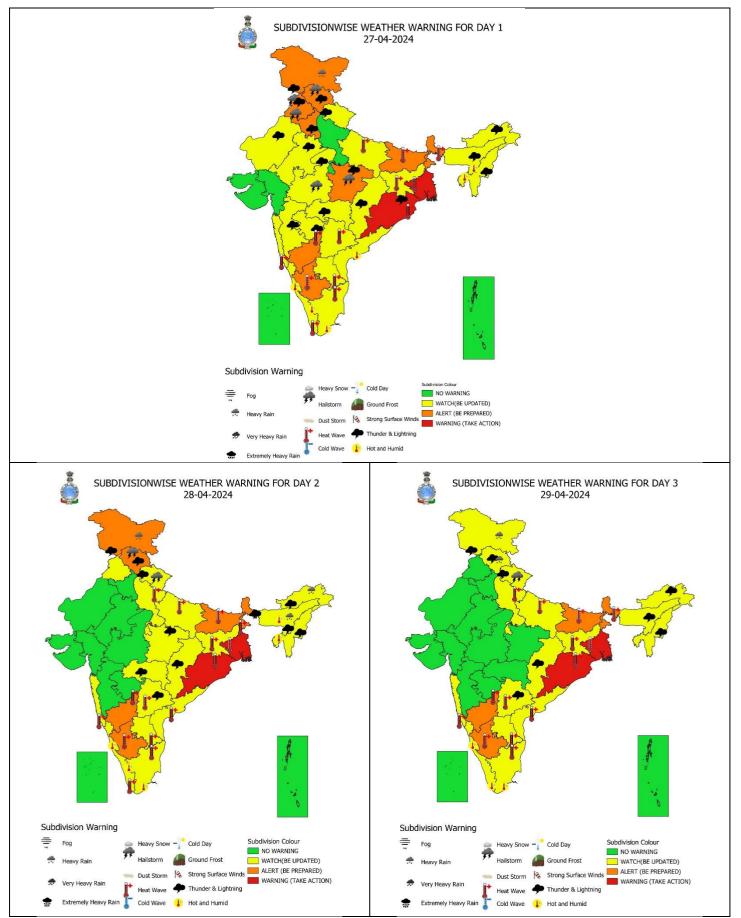
01 May (Day 5):

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



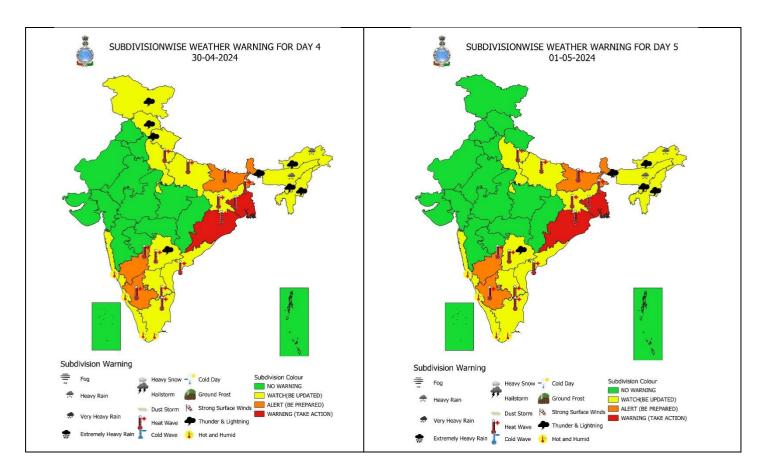


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Impact expected and action suggested due to thunderstorm accompanied with lightning/gusty winds & Hailstorm over Himachal Pradesh, Punjab, Haryana-Chandigarh and West Madhya Pradesh 27th; Uttarakhand on 27th & 28th April, 2024.

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-Ladakh-Gilgit-Baltistan-Muzaffarabad during 27th-29th; Himachal Pradesh on 29th and Arunachal Pradesh and Assam & Meghalaya on 28th & 30th 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 & 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 & 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, Konkan, Telangana, Coastal Andhra Pradesh & Yanam, Rayalaseema, Tamil Nadu and Kerala & Mahe)

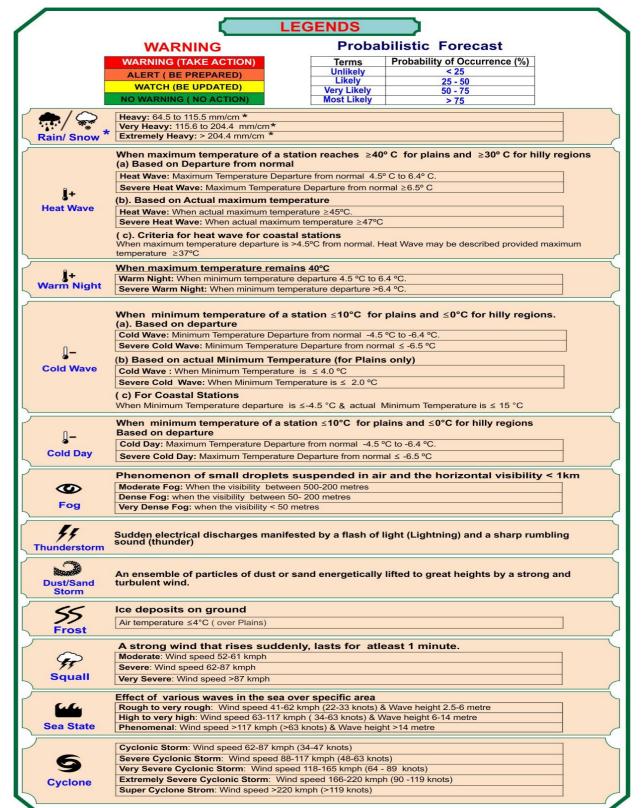
- ❖ Moderate temperature & heat is tolerable for general public but moderate health concern likely for vulnerable people e.g. infants, elderly, people with chronic diseases.
- Avoid heat exposure.
- Wear lightweight, light colour, loose, cotton clothes.
- Cover your head, use a cloth, hat or umbrella.

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.



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