



National Weather Forecasting Centre India Meteorological Department Ministry of Earth Sciences

Tuesday, April 30, 2024 Time of Issue:1945 hours IST (NIGHT)

All India Impact Based Weather Warning Bulletin

30 April (Day 1):

- ❖ Thunderstorm accompanied with lightning, gusty winds (speed reaching 50-60 kmph) very likely at isolated places over Assam and Tripura; with lightning & gusty winds (speed reaching 40-50 kmph) at isolated places over Meghalaya Manipur, Mizoram; with lightning & gusty winds (speed reaching 30-40 kmph) at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and Nagaland; with lightning at isolated places over Himachal Pradesh, Sikkim, Arunachal Pradesh, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.
- **\Display 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, Saurashtra & Kutch, Karnataka, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe.
- ❖ Heat wave to severe heat wave conditions very likely to prevail at many places over Gangetic West Bengal; at a few places over Bihar, Odisha; in isolated pockets over Sub-Himalayan West Bengal, Jharkhand, Saurashtra & Kutch; heat wave conditions in isolated pockets over Konkan, Marathwada, Madhya Maharashtra, Kerala & Mahe, Coastal Andhra Pradesh & Yanam, Rayalaseema, Telangana and Interior Karnataka.
- ❖ Warm night conditions very likely to prevail in isolated pockets over East Madhya Pradesh, Bihar, Gangetic West Bengal, Odisha and North Interior Karnataka.

01 May (Day 2):

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



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02 May (Day 3):

- ❖ 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 Sikkim; with lightning at isolated places over Arunachal Pradesh, Tamil Nadu and Kerala & Mahe.
- Heavy to very heavy rainfall with extremely heavy falls very 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 very likely to prevail over Konkan, Saurashtra & Kutch, Karnataka, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe.
- Heat wave to severe heat wave conditions very likely to prevail at many places over Gangetic West Bengal; at a few places over Bihar, Odisha; in isolated pockets over Rayalaseema and Saurashtra & Kutch; heat wave conditions in isolated pockets over Jharkhand, Sub-Himalayan West Bengal, Kerala & Mahe, Coastal Andhra Pradesh & Yanam, Telangana, Interior Karnataka and Tamil Nadu, Puducherry & Karaikal.
- ❖ Warm night conditions very likely to prevail in isolated pockets over East Madhya Pradesh, Bihar, Odisha and North Interior Karnataka.

03 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 Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Sikkim, Assam & Meghalaya; with lightning at isolated places over Himachal Pradesh, Arunachal Pradesh, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.
- **❖ Heavy rainfall** likely at isolated places over Nagaland & Manipur.
- ❖ Hot and humid weather very likely to prevail over Konkan, Saurashtra & Kutch, Karnataka, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe.
- ❖ Heat wave to severe heat wave conditions likely to prevail in isolated pockets over Saurashtra & Kutch and Rayalaseema; heat wave conditions in some parts over Gangetic West Bengal; in isolated pockets over Bihar, Jharkhand, Odisha, Coastal Andhra Pradesh & Yanam, Telangana, Tamil Nadu, Puducherry & Karaikal and Interior Karnataka.
- ❖ Warm night conditions likely to prevail in isolated pockets over East Madhya Pradesh and North Interior Karnataka.

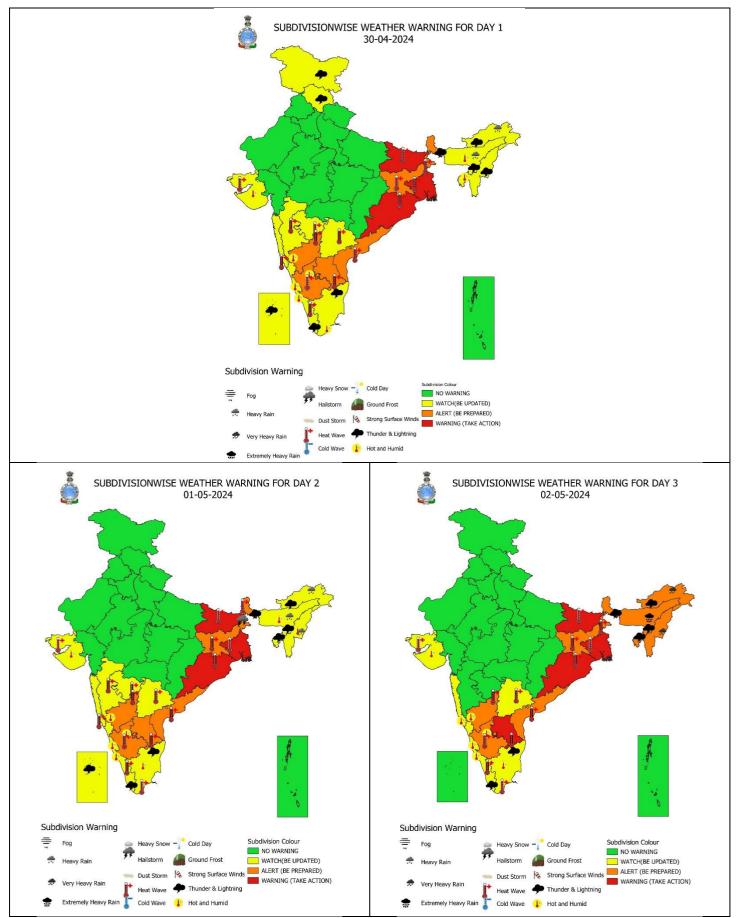
04 May (Day 5):

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



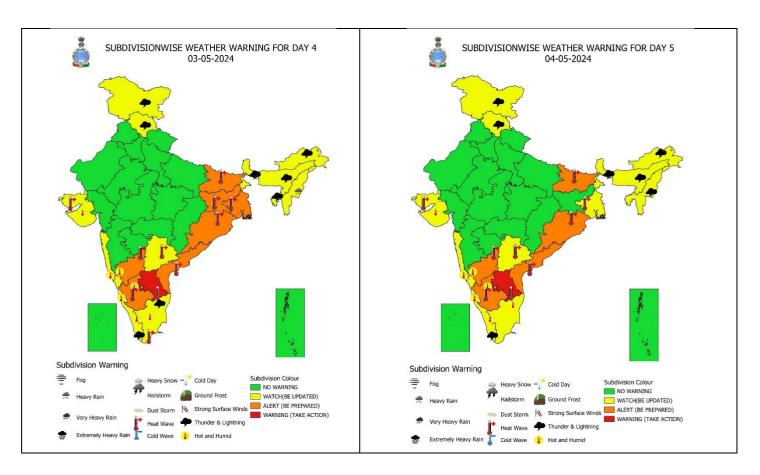


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IMPACT & ACTION SUGGESTED due to Heat Wave Conditions:

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, Coastal Andhra Pradesh & Yanam, Telangana, Interior Karnataka, Jharkhand)

- ✓ 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 (Saurashtra, Konkan, Madhya Maharashtra, Marathwada, Kerala, Tamil Nadu)

- ✓ 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.



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Impact & Action Suggested due to heavy / very rainfall over Arunachal Pradesh, 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

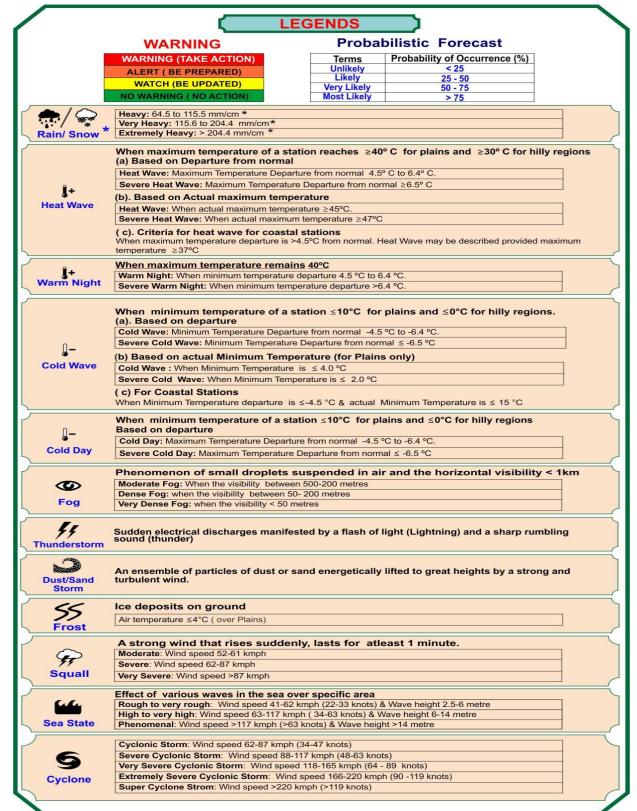
- ✓ Avoid roadway underpasses, drainage ditches, low lying areas and areas where water collects they can unexpectedly flood or overflow.
- ✓ Stay away from power lines or electrical wires.
- ✓ Don't stay in kuchcha houses during heavy rainfall as it may collapse anytime soon.
- ✓ Drive carefully.

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 Sikkim.
- ➤ 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, Saurashtra & Kutch, North Konkan, Madhya Maharashtra, Tamil Nadu, Kerala, Interior Karnataka, Andhra Pradesh and Telangana.
- ➤ Provide mechanical support to horticultural crops & staking to vegetables to prevent damage from gusty winds in Assam & Meghalaya and NMMT.



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Kindly download MAUSAM APP for location specific forecast & warning, MEGHDOOT APP for Agromet advisory and DAMINI APP for Lightning Warning & visit state MC/RMC websites for district wise warning.