

#### National Weather Forecasting Centre India Meteorological Department Ministry of Earth Sciences

Wednesday, May 01, 2024 Time of Issue:2030 hours IST (NIGHT)

## **All India Impact Based Weather Warning Bulletin**

## 01 May (Day 1):

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

#### 02 May (Day 2):

- ❖ Thunderstorm accompanied with lightning & squally winds (speed reaching 50-60 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 and Kerala & Mahe.
- ❖ Heavy to very heavy rainfall very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya and Mizoram & Tripura; heavy rainfall at isolated places over Nagaland & Manipur.
- **\Display** Hot and humid weather very likely to prevail over Coastal Karnataka.
- ❖ Heat wave to severe heat wave conditions very likely to prevail in many places over Gangetic West Bengal; in some parts over Jharkhand; in isolated pockets over Odisha, Bihar, Rayalaseema; heat wave conditions in isolated pockets over Sub-Himalayan West Bengal, Konkan, Madhya Maharashtra, Gujarat state, Coastal Andhra Pradesh & Yanam, Telangana, Interior Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.
- ❖ Warm night conditions very likely to prevail in isolated pockets over Chhattisgarh, Gangetic West Bengal, Odisha and North Interior Karnataka.







## 03 May (Day 3):

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

## 04 May (Day 4):

- ❖ 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 Rajasthan, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura; with lightning at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh, Uttarakhand, Punjab, Odisha, Coastal Andhra Pradesh, Rayalaseema, South Interior Karnataka, Tamil Nadu and Kerala & Mahe.
- ❖ **Heat wave conditions** likely to prevail in some parts over Gangetic West Bengal; in isolated pockets over Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Jharkhand, Odisha, Konkan, Madhya Maharashtra, Marathwada, Gujarat state, Telangana, Rayalaseema and Interior Karnataka.
- \* Warm night conditions likely to prevail in isolated pockets over Madhya Maharashtra, Marathwada and North Interior Karnataka.

## 05 May (Day 5):

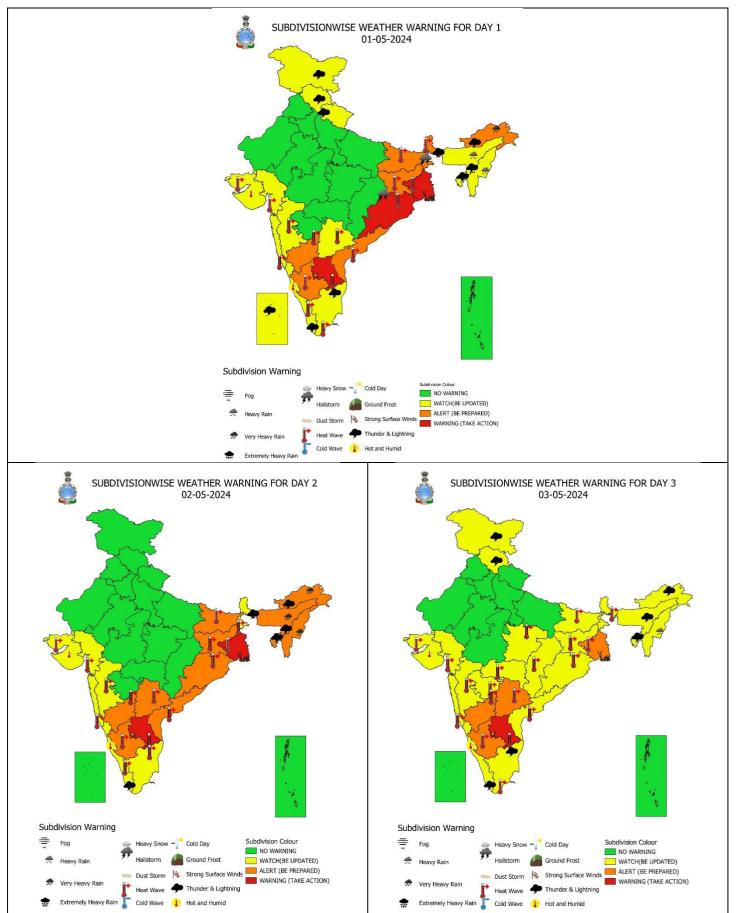
- **❖** Thunderstorm accompanied with lightning, gusty winds (speed reaching 40-50 kmph) likely at isolated places over Sikkim; with lightning & gusty winds (speed reaching 30-40 **kmph)** at isolated places over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura; with lightning at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh, Uttarakhand, East Uttar Pradesh, Odisha, Coastal Andhra Pradesh, Ravalaseema, South Interior Karnataka, Tamil Nadu and Kerala & Mahe.
- \* Heavy rainfall likely at isolated places over Arunachal Pradesh and Assam & Meghalaya.
- **Duststorm** likely at isolated places over East Uttar Pradesh.
- ❖ **Heat wave** likely to prevail in isolated pockets over Madhya Pradesh, Vidarbha, Chhattisgarh, Jharkhand, Odisha, Gangetic West Bengal, Madhya Maharashtra, Marathwada, Gujarat state, Telangana, Rayalaseema and North Interior Karnataka.
- ❖ Warm night conditions likely to prevail in isolated pockets over Madhya Maharashtra, Marathwada and North Interior Karnataka.



#### राष्ट्रीय मौसम पूर्वानुमान केन्द्र भारत मौसम विज्ञान विभाग पृथ्वी विज्ञान मंत्रालय



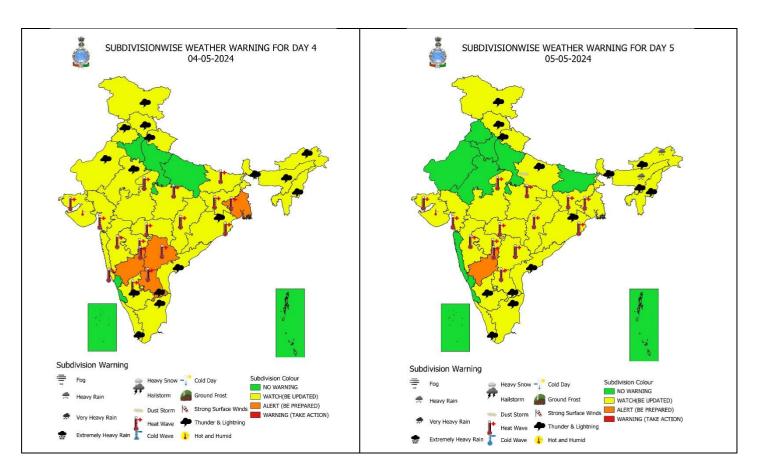
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#### **IMPACT & ACTION SUGGESTED due to Heat Wave Conditions:**

## 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 (Gujarat State, Konkan, Madhya Maharashtra, Marathwada, Kerala, Tamil Nadu, Madhya Pradesh, Vidarbha and Chhattisgarh)

- ✓ 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.



Impact & Action Suggested due to Isolated heavy rainfall very likely over Arunachal Pradesh and Assam & Meghalaya during 01<sup>st</sup>-02<sup>nd</sup> and over Nagaland, Manipur, Mizoram & Tripura during 01<sup>st</sup>-03<sup>rd</sup> May; with isolated very heavy rainfall over Arunachal Pradesh on 01<sup>st</sup> & 02<sup>nd</sup> May and south Assam, Meghalaya, Mizoram & Tripura on 02<sup>nd</sup> 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.

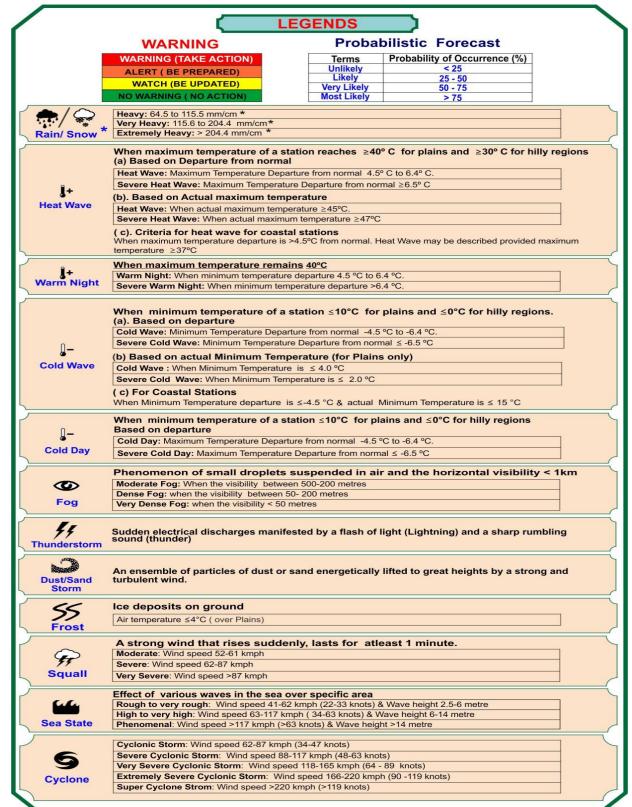
# Agromet advisories for Heavy Rainfall, Hailstorm, Gusty Winds and Heat Wave likely over various parts of the country:

- ➤ 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 and also provide mechanical support to horticultural crops & staking to vegetables to prevent damage from gusty winds in 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, Gujarat, North Konkan, Madhya Maharashtra, Tamil Nadu, Kerala, Interior Karnataka, Andhra Pradesh and Telangana.

### राष्ट्रीय मौसम पूर्वानुमान केन्द्र भारत मौसम विज्ञान विभाग पृथ्वी विज्ञान मंत्रालय



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