

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

Friday, April 19, 2024 Time of Issue: 2000 hours IST (NIGHT)

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

# 19 April (Day 1):

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

## 20 April (Day 2):

- Thunderstorm accompanied with lightning & gusty winds (speed reaching 40-50 kmph) very likely at isolated places over Sub-Himalayan West Bengal & Sikkim, Odisha, Vidarbha and Chhattisgarh; with gusty winds (speed reaching 30-40 kmph) at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Telangana and Karnataka; with lightning at isolated places over Coastal Andhra Pradesh & Yanam, Rayalaseema, Arunachal Pradesh, Madhya Maharashtra, Marathwada, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe.
- **Heavy to very heavy rainfall/snowfall** very likely at isolated places over Arunachal Pradesh; **Heavy rainfall** at isolated places over Assam & Meghalaya.
- **Hot and humid weather** very likely to prevail over Sub-Himalayan West Bengal, Telangana, Coastal Andhra Pradesh & Yanam, Rayalaseema and Tamil Nadu, Puducherry & Karaikal.
- **\Delta Heat wave conditions in some parts with severe heat wave conditions** very likely to prevail in isolated pockets over Gangetic West Bengal; **Heat wave to severe heat wave conditions** in isolated pockets over Odisha; **heat wave conditions** in isolated pockets over Bihar and Jharkhand.
- **Warm Night conditions** very likely to prevail in isolated pockets over East Uttar Pradesh.





### 21 April (Day 3):

- Thunderstorm accompanied with lightning & gusty winds (speed reaching 40-50 kmph) very likely at isolated places over Madhya Pradesh, Vidarbha and Chhattisgarh; with gusty winds (speed reaching 30-40 kmph) at isolated places over Odisha, Nagaland, Manipur, Mizoram & Tripura, Karnataka and Telangana; with lightning at isolated places over Arunachal Pradesh, Assam & Meghalaya, Madhya Maharashtra, Marathwada, Kerala & Mahe, Coastal Andhra Pradesh & Yanam and Rayalaseema.
- **Heavy rainfall/snowfall** 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 Sub-Himalayan West Bengal, Telangana, Coastal Andhra Pradesh & Yanam, Rayalaseema and Tamil Nadu, Puducherry & Karaikal.
- Heat wave conditions in some parts with severe heat wave conditions very likely to prevail in isolated pockets over Gangetic West Bengal; heat wave conditions in isolated pockets over Bihar, Jharkhand and Odisha.

### 22 April (Day 4):

- Thunderstorm accompanied with lightning & gusty winds (speed reaching 40-50 kmph) likely at isolated places over Uttarakhand, Madhya Pradesh, Chhattisgarh and Odisha; with gusty winds (speed reaching 30-40 kmph) at isolated places over Vidarbha, Assam & Meghalaya and Telangana; with lightning at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh, Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Madhya Maharashtra, Marathwada, Coastal Andhra Pradesh & Yanam and Rayalaseema.
- **Heavy rainfall/snowfall** likely at isolated places over Arunachal Pradesh.
- ♦ Hot and humid weather likely to prevail over Sub-Himalayan West Bengal, Coastal Andhra Pradesh & Yanam, Rayalaseema and Tamil Nadu, Puducherry & Karaikal.
- ❖ Heat wave conditions in some parts with severe heat wave conditions likely to prevail in isolated pockets over Gangetic West Bengal; heat wave conditions in isolated pockets over Bihar and Jharkhand.

### 23 April (Day 5):

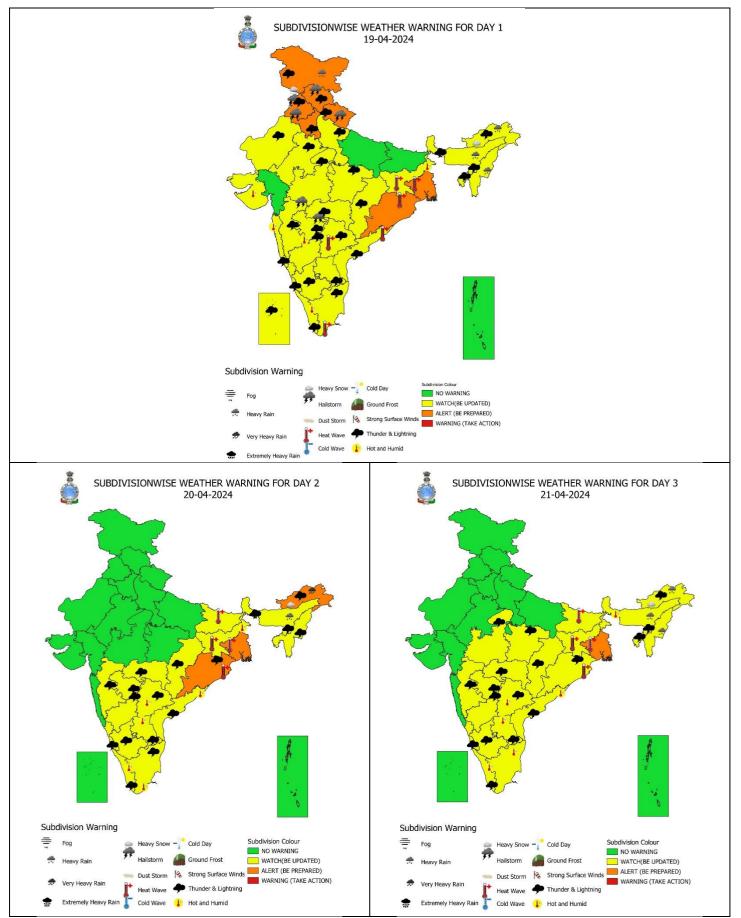
- Thunderstorm accompanied with lightning & gusty winds (speed reaching 40-50 kmph) likely at isolated places over East Madhya Pradesh; with gusty winds (speed reaching 30-40 kmph) at isolated places over Vidarbha, Chhattisgarh, West Bengal & Sikkim, Assam & Meghalaya and Telangana; with lightning at isolated places over Himachal Pradesh, Odisha, Jharkhand, Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Coastal Andhra Pradesh & Yanam and Rayalaseema.
- **Heavy rainfall/snowfall** likely at isolated places over Arunachal Pradesh.
- Hot and humid weather likely to prevail over Sub-Himalayan West Bengal, Coastal Andhra Pradesh & Yanam, Rayalaseema and Tamil Nadu, Puducherry & Karaikal.
- **Heat wave conditions** likely to prevail in isolated pockets over Gangetic West Bengal and Bihar.



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



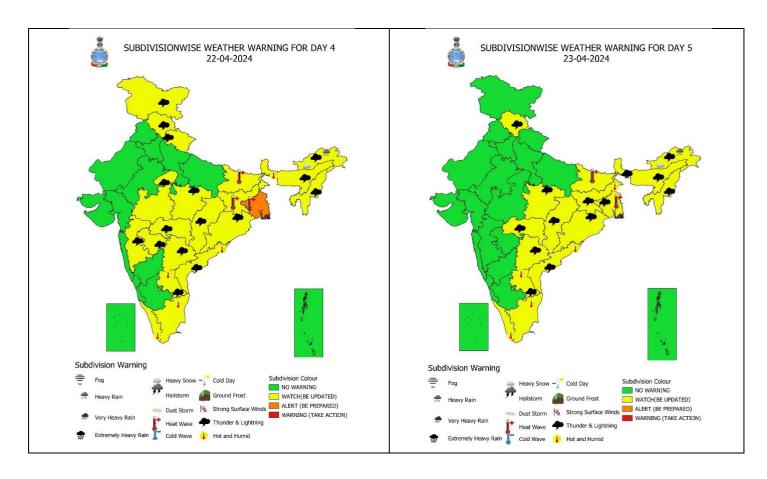
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Impact expected and action suggested due to thunderstorm accompanied with lightning/gusty winds & Hailstorm over Himachal Pradesh, Punjab, north Haryana, Chandigarh, Madhya Maharashtra and Marathwada on 19<sup>th</sup> April, 2024.

### 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.





# Impact & Action Suggested due to heavy rainfall/snowfall heavy rainfall/snowfall over

- (i) Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 19th April and
- (ii) Arunachal Pradesh during 19th-23rd; Assam & Meghalaya during 19th-21st; Nagaland, Manipur, Mizoram & Tripura on 19th & 21st 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:**

### Orange alert Areas (Odisha & Gangetic West Bengal)

- ❖ 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 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

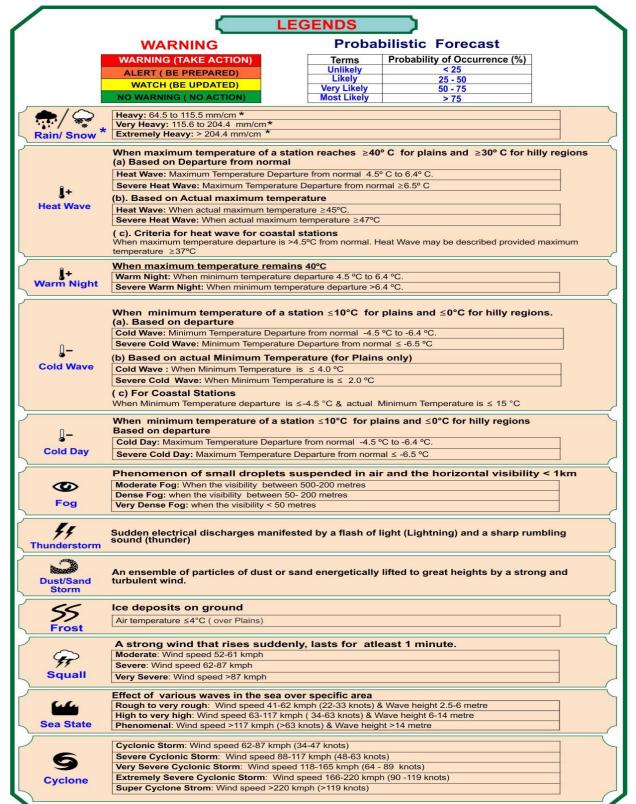
# Yellow alert Areas (Jharkhand, Bihar, Coastal Andhra Pradesh & Yanam, Rayalaseema, Telangana and interior Tamil Nadu)

- ❖ 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.

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



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