



Tuesday, March 19, 2024 Time of Issue: 0800 hours IST (MORNING)

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

## 19 March (Day 1):

- Thundersquall accompanied with lightning & hail (speed reaching 50-60 kmph) very likely at isolated places over East Madhya Pradesh, Gangetic West Bengal and Odisha; thunderstorm accompanied with lightning, hail & gusty winds (speed reaching 40-50 kmph) at isolated places over Vidarbha, Telangana, Jharkhand, Marathwada and Chhattisgarh; with lightning & gusty winds (speed reaching 30-40 kmph) at isolated places over Bihar and with lightning at isolated places over Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and Coastal Andhra Pradesh & Yanam.
- **Heavy rainfall** very likely at isolated places over Gangetic West Bengal, Odisha, Jharkhand and Chhattisgarh.

## 20 March (Day 2):

- ❖ Thunderstorm accompanied with lightning & gusty winds (speed reaching 40-50 kmph) very likely at isolated places over Gangetic West Bengal; with lightning & gusty winds (speed reaching 30-40 kmph) at isolated places over East Madhya Pradesh, Chhattisgarh, Bihar, Odisha, Jharkhand, Marathwada and Telangana and with lightning at isolated places over Vidarbha, Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and Coastal Andhra Pradesh & Yanam.
- **Heavy rainfall** very likely at isolated places over Odisha, Coastal Andhra Pradesh & Yanam and Telangana.

## 21 March (Day 3):

❖ Thunderstorm accompanied with lightning very likely at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh, Bihar, Jharkhand, West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and Coastal Andhra Pradesh & Yanam.

## 22 March (Day 4):

**Thunderstorm accompanied with lightning** likely 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.

## 23 March (Day 5):

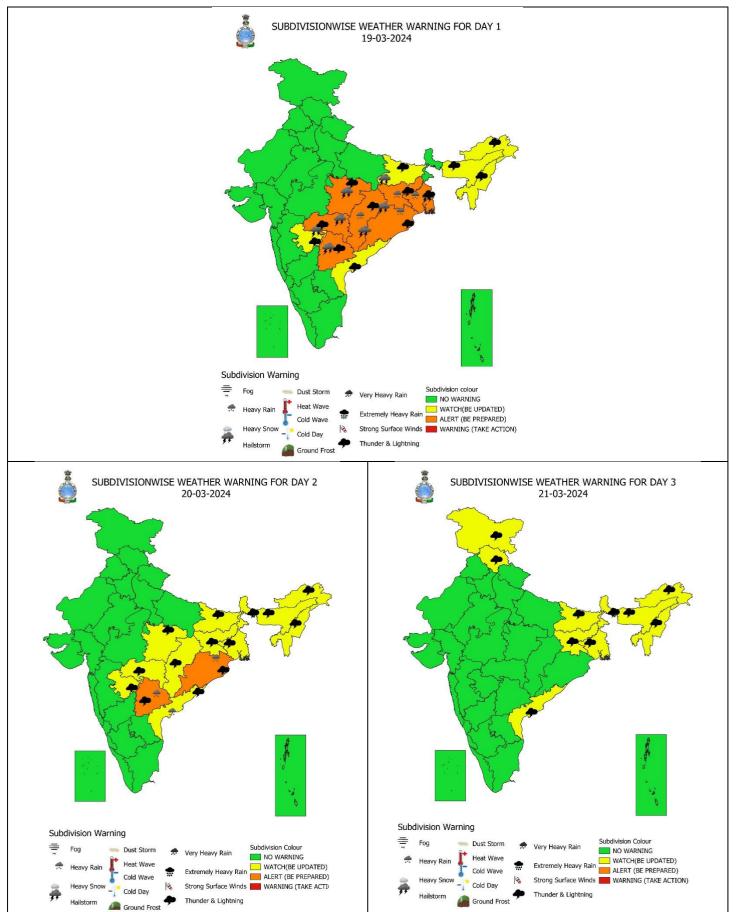
❖ Thunderstorm accompanied with lightning likely at isolated places over Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.



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



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

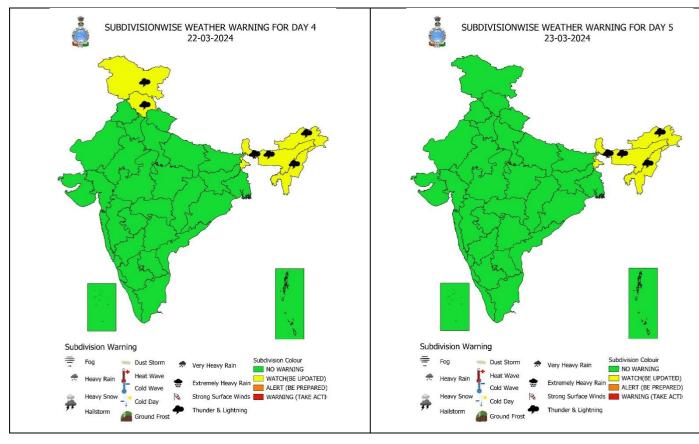




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Impact expected and action suggested due to thunderstorm with lightning, gusty winds & Hailstorm: over Gangetic West Bengal, Jharkhand, Odisha, East Madhya Pradesh, Vidarbha, Chhattisgarh, Telangana and Marathwada on 19<sup>th</sup> March, 2024.

## 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.

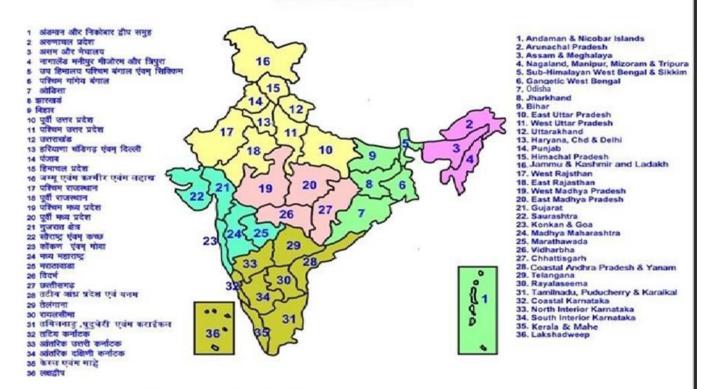
# Agromet advisories for Heavy Rainfall, Gusty winds and Hailstorms likely over various parts of the country:

- ➤ Use hail nets or hail caps in fruit orchards to protect them from mechanical damage and provide mechanical support to horticultural crops & staking to vegetables in East Madhya Pradesh, Vidarbha, Chhattisgarh, Marathwada and Telangana.
- ➤ In East Madhya Pradesh, Vidarbha, Chhattisgarh, Odisha, Jharkhand and Gangetic West Bengal, harvest the matured crops and vegetables at the earliest and keep the harvested produce at safer places or cover the heaps of harvested produce in the fields with tarpaulin sheets.
- ➤ Provide mechanical support to horticultural crops and staking to vegetables in Odisha and Jharkhand.





## **LEGENDS**



## SPATIAL DISTRIBUTION (% of Stations reporting)

% Stations	Category	% Stations	Category
76-100	Widespread (WS/Most Places)	26-50	Scattered (SCT/ A Few Places)
51-75	51-75 Fairly Widespred (FWS/ Many Places)		Isolated (ISOL)

## WARNING

WARNING (TAKE ACTION)

ALERT ( BE PREPARED)

WATCH (BE UPDATED)

NO WARNING ( NO ACTION)

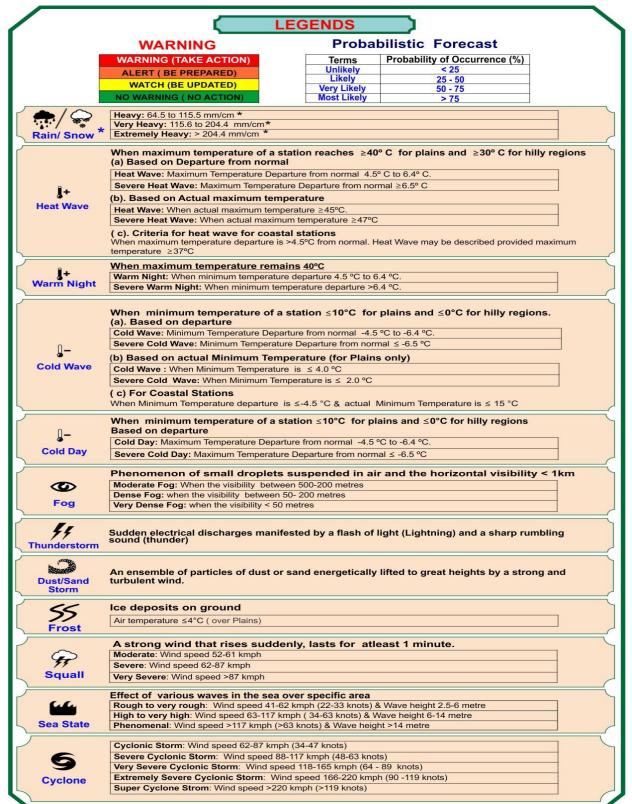
#### Probabilistic Forecast

Terms	Probability of Occurrence (%)		
Unlikely	< 25		
Likely	25 - 50		
Very Likely	50 - 75		
Most Likely	> 75		

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



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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.