

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

Monday, January 29, 2024 Time of Issue: 0800 hours IST (MORNING)

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

# 29 January (Day 1):

- Dense to very dense fog very likely in some parts over Uttar Pradesh; in isolated pockets of Rajasthan, Punjab and Haryana & Chandigarh and Dense fog in isolated pockets of Uttarakhand, Madhya Pradesh, Sub-Himalayan West Bengal & Sikkim, Bihar and Nagaland, Manipur, Mizoram & Tripura.
- **Cold day to severe cold day** conditions very likely in isolated pockets of Uttar Pradesh and Cold day conditions in isolated pockets over Uttarakhand and Bihar.
- **Cold wave** conditions very likely in isolated pockets of Sub-Himalayan West Bengal & Sikkim.

# **30 January (Day 2):**

- ❖ **Dense to very dense fog** very likely in some parts over Uttar Pradesh; in isolated pockets of Rajasthan and **Dense fog** in isolated pockets of Bihar.
- **Cold day** conditions very likely in isolated pockets over Bihar.
- **Heavy Rainfall/snowfall** very likely at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad.
- **Thunderstorm accompanied with lightning** very likely at isolated places over Himachal Pradesh and Punjab.

### **31 January (Day 3):**

- **\Display** Heavy Rainfall/snowfall likely at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and Himachal Pradesh.
- ❖ Thunderstorm accompanied with lightning likely at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh, Uttarakhand, Punjab, Haryana-Chandigarh-Delhi and Uttar Pradesh.

### 01 February (Day 4):

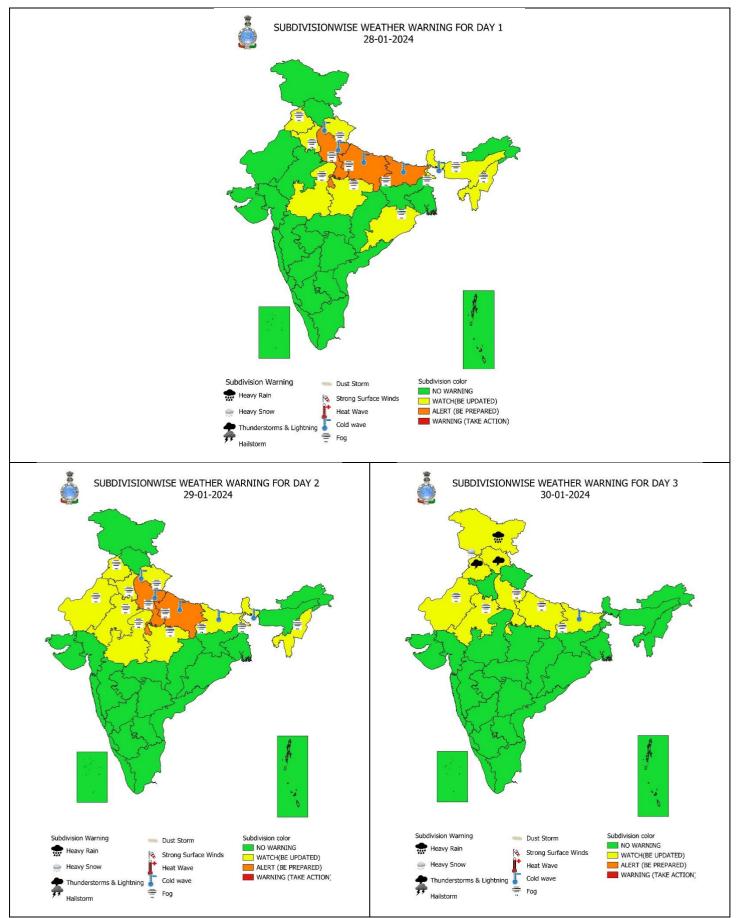
**Thunderstorm accompanied with lightning** likely at isolated places over Punjab, north Haryana, Uttarakhand and West Uttar Pradesh.

### 02 February (Day 5):

**Thunderstorm accompanied with lightning** likely at isolated places over Uttarakhand.

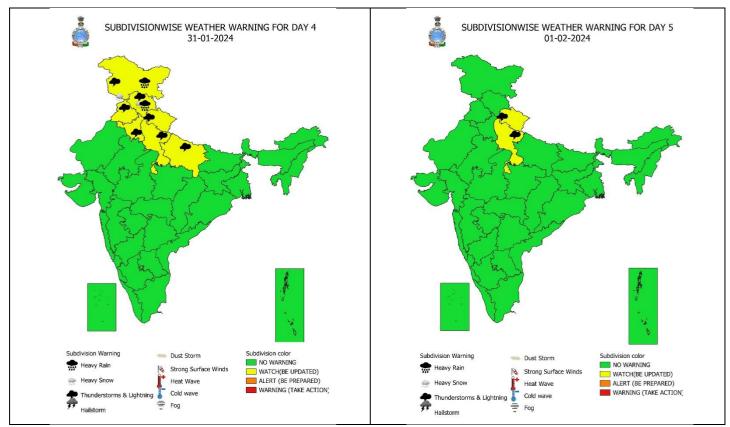


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**Impact expected due to dense to very dense fog in the night/morning hours** over Uttar Pradesh on 29<sup>th</sup> & 30<sup>th</sup> January, 2024.

# **\*** Transport and Aviation:

- May affect some airports, highways and railway routes in the areas of met-sub-division.
- Difficult driving conditions with slower journey times.
- Unless taken precautionary measures, it may lead to some road traffic collisions.

#### Power Sector:

• Chances of Tripping of Power lines in the very dense fog routes.

### Human Health:

- Lung related health impacts: Dense fog contains particulate matter and other pollutants and in case exposed it gets lodged in the lungs, clogging them and decreasing their functional capacity which increases episodes of wheezing, coughing and shortness of breath.
- Impact on people having asthma bronchitis: Long time exposure to dense fog may cause respiratory problem for people having asthma bronchitis and other lung related health problems.
- Eye Irritation: Dense fog contains pollutions of various types and these Pollutants in the air if exposed may tend to irritate the membranes of the eye causing various infections leading to redness or swelling of the eye.

# **Action suggested:**

#### Transport and Aviation:

- Be careful while driving or outing through any transport.
- Use fog lights during driving.
- Be in touch with airlines, railways and state transport for schedule of your journey.

### Power Sector:

- To keep ready Maintenance Team
- Human Health: To avoid outing until unless emergency and to cover the face.





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**Impact expected due to Cold Day/Severe Cold Day conditions** over Uttar Pradesh on 29<sup>th</sup> and over Bihar on 29<sup>th</sup> & 30<sup>th</sup> January, 2024.

- An increased likelihood of various illnesses like flu, running/ stuffy nose or nosebleed, which usually set in or get aggravated due to prolonged exposure to cold.
- Do not ignore shivering. It is the first sign that the body is losing heat. Get Indoors.
- Frostbite can occur due to prolonged exposure to cold. The skin turns pale, hard and numb and eventually black blisters appear on exposed body parts such as fingers, toes, nose and or earlobes. Severe frostbite needs immediate medical attention and treatment.
- Impact on agriculture, crop, livestock, water supply, transport and power sector at some places.

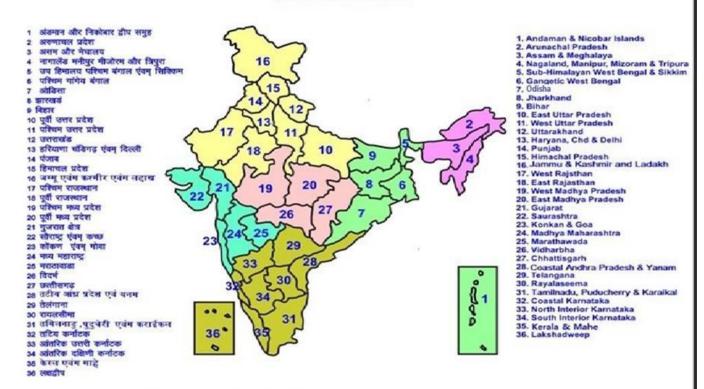
# **Action suggested:**

- Wear several layers of loose fitting, light weight; warm woollen clothing.
- Cover your head, neck, hands and toes adequately as majority of heat loss occurs through these body parts. Wear several layers of loose fitting, light weight; warm woollen clothing rather than one layer of heavy cloth.
- Eat vitamin-C rich fruits & vegetable and drink sufficient fluids preferably warm fluids to maintain adequate immunity.
- Avoid or limit outdoor activities.
- Keep dry, if wet, change cloths immediately to prevent loss of body heat. Wear insulated/waterproof shoes.
- Warm the affected area of the body slowly with lukewarm water; do not rub the skin vigorously.
- If the affected skin area turns black, immediately consult a doctor.
- Maintain ventilation while using Heaters to avoid inhaling toxic fumes.
- Take safety measures while using electrical and gas heating devices.
- Extreme care needed for vulnerable people.
- Seek medical attention as soon as possible for someone suffering from frostbite/ Hypothermia.
- Protect livestock from cold weather.





# **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)

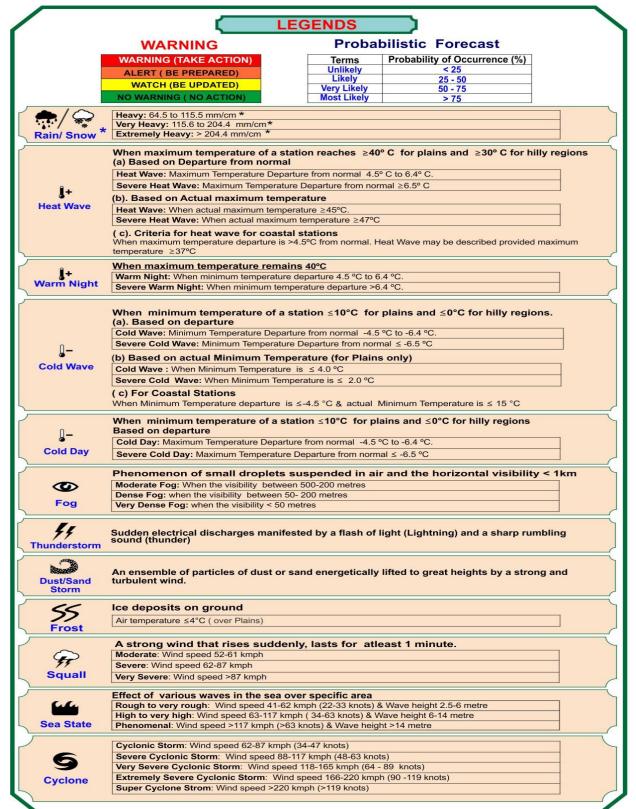
NO WARNING ( NO ACTION)

# Probabilistic Forecast

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



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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.