



Government of India  
Ministry of Earth Sciences  
India Meteorological Department



Press Release

Date: 31<sup>st</sup> January 2026

Time of Issue: 1345 hours

**Subject: (i) Under the influence of two Western Disturbance in quick succession, light to moderate scattered/ fairly widespread rainfall/snowfall likely over Western Himalayan region and light to moderate isolated/scattered rainfall over adjoining plains of northwest India and Central India during 01<sup>st</sup> to 3<sup>rd</sup> February. Thereafter, a third western disturbance is likely to affect Western Himalayan region during 05<sup>th</sup>-07<sup>th</sup> February, 2026.**

**(ii) Night temperatures are likely to rise by 3-5°C and day temperatures are likely to fall by 2-4°C over northwest India during next 24 hours.**

**Realised weather during past 24 hours ending at 0830 hours IST of today, the 31<sup>st</sup> January, 2026:**

- ❖ **Dense to very Dense fog (visibility <50 m) conditions** prevailed at a few places over Uttar Pradesh; in isolated pockets of Himachal Pradesh, Punjab Haryana and West Madhya Pradesh and **dense fog (visibility 50-199 m) conditions** in isolated pockets over Bihar, Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya
- ❖ **Visibility Reported (In Meters ≤200 m): Sub-Himalayan West Bengal:** Jalpaiguri(50), Bagdogra(100); **Bihar:** Bhagalpur(50) , Gaya(100) ; **Himachal Pradesh:** Bilaspur (40); **West Uttar Pradesh:** Bareilly (IAF), Sarsawa(IAF), Hindon (IAF), Aligarh AP & Agra (IAF)(00) Each, Meerut(10), Bareilly (AP)(20), Bareilly, Agra Taj & Aligarh(30) Each, Hamirpur(40), Etawah, Agra Taj, Aligarh, Muzaffarnagar(50) Each, Shahjahanpur(70), AMS Moradabad & Najibabad(100) Each; **East Uttar Pradesh:** Azamgarh & Kanpur IAF (00) Each, Kanpur City, Ballia-20 Each, Lucknow(AP), Varanasi (AP), Churk, Fatehpur & Fursatganj(50) Each, Prayagraj, Sultanpur(60) Each, Hardoi, Fatehgarh-80 Each, Prayagraj (IAF)(100); **Assam & Meghalaya:** Jorhat (150), Barapani (100); **Punjab:** Patiala (50); **Haryana:** Ambala(00) , Karnal (00)

**Temperature Conditions during past 24 hours till 0830 hours IST of today:**

- ❖ **Minimum temperatures** were 0-5°C over Himachal Pradesh and Haryana; 5-10°C over Uttarakhand, plains of northwest India, Madhya Pradesh, north Chhattisgarh, Jharkhand, Sikkim, Assam, Meghalaya and Manipur. It was 10°C and above for remaining parts of the country, except higher reaches of Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad where it was less than 0°C.
- ❖ **Minimum Temperature Departures** were above normal by (3°C to 5°C) over Himachal Pradesh, Uttarakhand and West India by (1°C to 3°C) over Western Himalayan Region, Uttar Pradesh, Bihar, Odisha, Telangana, Coastal Andhra Pradesh & Yanam, North Interior Karnataka, Assam & Meghalaya and Gangetic West Bengal, and near normal over rest parts of the country. ([refer to ANNEXURE IV](#))
- ❖ The **lowest minimum temperature** of 3.8°C was observed at **Faridkot (Punjab)** over the plains of India.

**Weather Systems, Forecast and Warnings (refer to ANNEXURE I & II):**

- ❖ **A Western Disturbance** as a **cyclonic circulation** now lies over North Afghanistan & neighbourhood in lower & middle tropospheric level tilting northwestwards with height.
- ❖ An Induced **cyclonic circulation** lies over Central Pakistan in lower tropospheric level.
- ❖ **A trough** runs from cyclonic circulation over Central Pakistan to Northwest Uttar Pradesh across Punjab and Haryana in lower tropospheric level.
- ❖ An upper air **cyclonic circulation** lies over North Gujarat & neighbourhood in lower tropospheric level.
- ❖ **Subtropical westerly Jet Stream** with core winds of the order of 115 knots at 12.6 km above mean sea level continues to prevails over North India.
- ❖ The upper air **cyclonic circulation** now lies over southeast Arabian sea and adjoining Lakshadweep area & Kerala coast in lower tropospheric level.
- ❖ **A trough** runs from northeast Arabian Sea to Punjab across Gujarat and Rajasthan at lower tropospheric level.
- ❖ A fresh **western disturbance** is likely to affect northwest India from the night of 02<sup>nd</sup> February 2026.

- ❖ Another fresh **western disturbance** is likely to affect northwest India from the night of 05<sup>th</sup> February 2026.

#### **Under the influence of above system, the following weather is likely:**

- ❖ Light to moderate rainfall at isolated places over Western Himalayan Region on 31<sup>st</sup> January. Scattered to fairly widespread rainfall/snowfall with **thunderstorm, lightning & gusty winds speed reaching (30-40 gusting to 50 kmph)** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and Himachal Pradesh on 01<sup>st</sup> February and Uttarakhand on 01<sup>st</sup>-02<sup>nd</sup> February.
- ❖ **Isolated to Scattered** light rainfall with **thunderstorm, lightning** with **gusty winds speed reaching (30-40 gusting to 50 kmph)** likely over Punjab and Haryana Chandigarh on 01<sup>st</sup> February and Uttar Pradesh & Madhya Pradesh during 01<sup>st</sup> -03<sup>rd</sup> February; East Rajasthan during 31<sup>st</sup> January -02<sup>nd</sup> February.
- ❖ **Isolated Hailstorm activity also likely** over East Rajasthan on 31<sup>st</sup> January-01<sup>st</sup> February and over West Madhya Pradesh on 01<sup>st</sup> February, 2026.

#### **Forecast of minimum temperatures:**

- ❖ Rise in minimum temperature by 3-5°C over Northwest India during next 24 hours, no significant change during next 48 hours; fall by 2-4°C during subsequent 4 days thereafter.
- ❖ No significant change likely over Gujarat State during next 24 hours and gradual fall by 3-5°C during subsequent 2 days and gradual rise by 2-3°C for subsequent 4 days thereafter.
- ❖ No significant change in minimum temperatures likely over rest parts of the country.

#### **Dense Fog, Cold day Warnings:**

- ❖ **Dense fog conditions** likely during morning/night hours in isolated pockets over Assam & Meghalaya, Sub-Himalayan West Bengal & Sikkim, Bihar, Punjab, Haryana, Chandigarh, Uttar Pradesh till 01<sup>st</sup> February; Odisha till February and East Rajasthan on 04<sup>th</sup> & 5<sup>th</sup> February.
- ❖ **Cold day** conditions likely in isolated pockets over West Uttar Pradesh on 31<sup>st</sup> and East Uttar Pradesh on 31<sup>st</sup> January & 01<sup>st</sup> February.

**Weather conditions and forecast over Delhi/NCR during 31<sup>st</sup> January-03<sup>rd</sup> February, 2026 (ANNEXURE III) For more details, kindly refer National Weather Bulletin:**

[https://mausam.imd.gov.in/responsive/all\\_india\\_forcast\\_bulletin.php](https://mausam.imd.gov.in/responsive/all_india_forcast_bulletin.php)

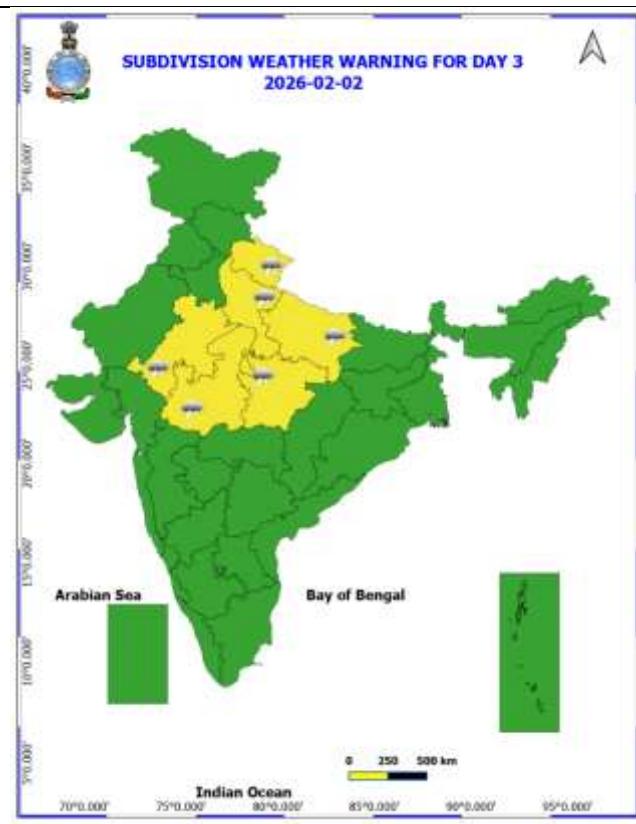
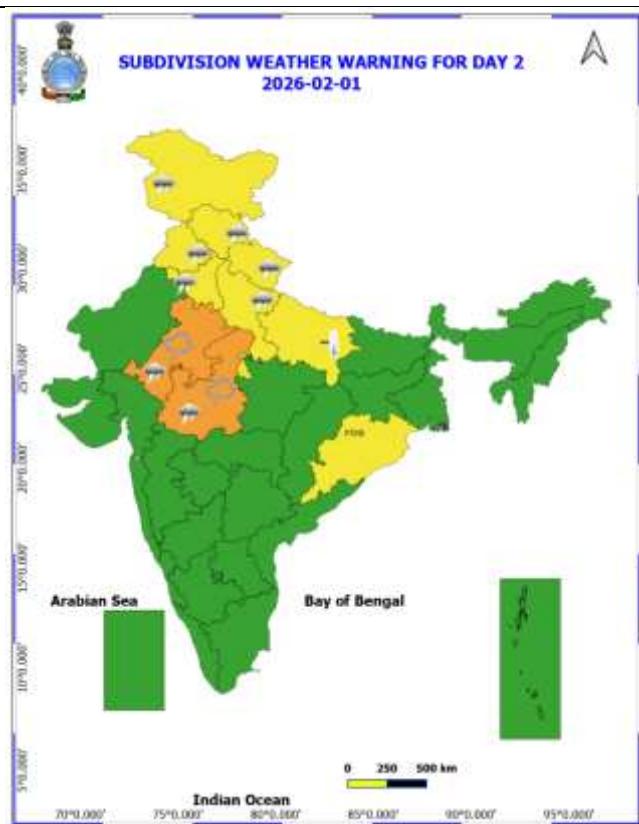
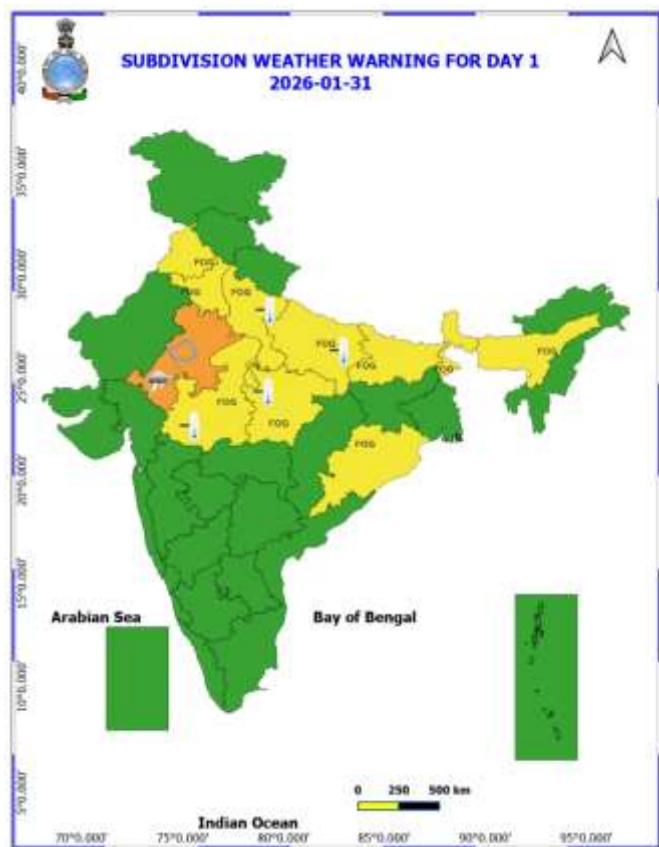
For District wise warnings refer: <https://mausam.imd.gov.in/responsive/districtWiseWarningGIS.php>

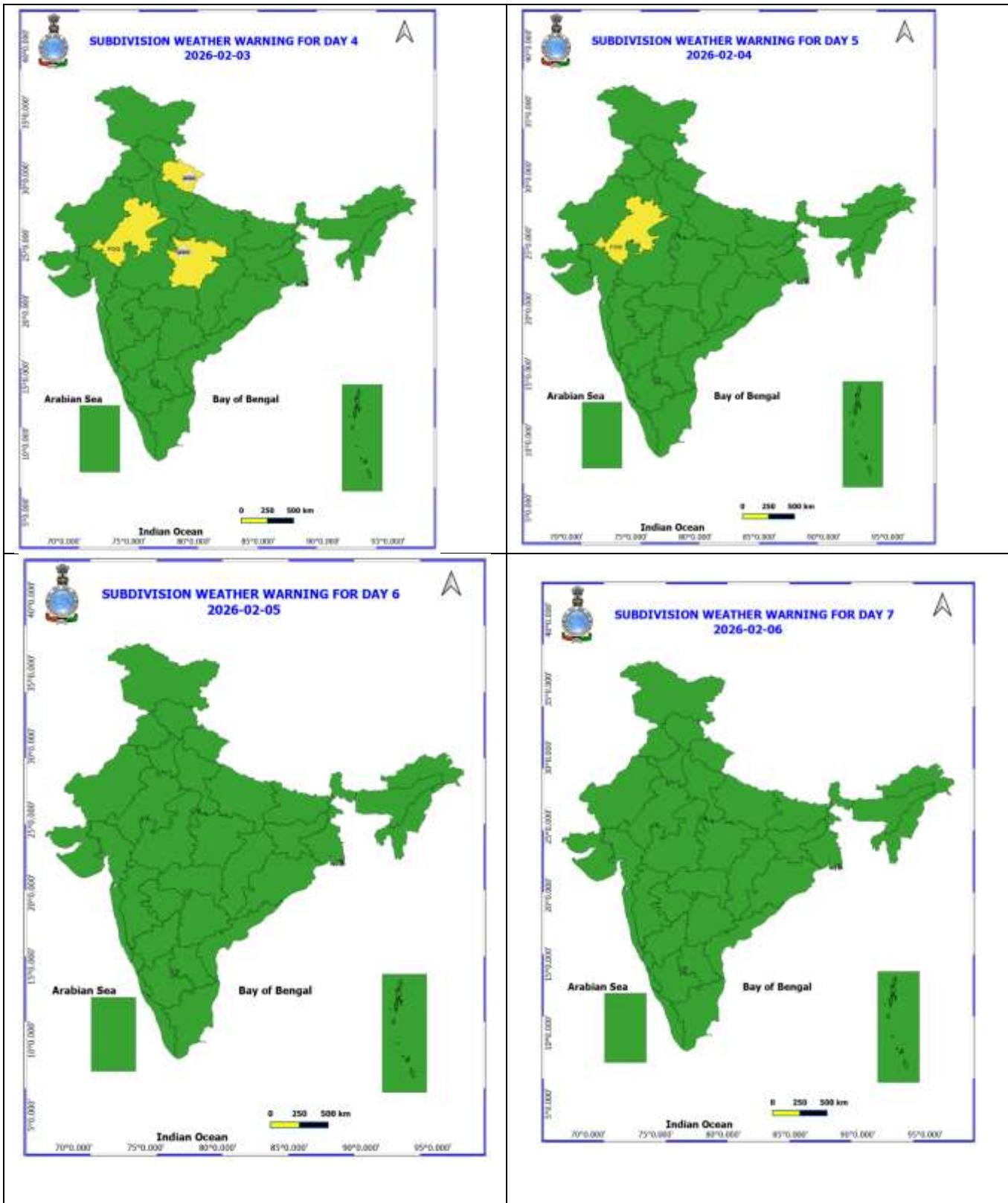
For Fishermen warning refer <https://rsmcnewdelhi.imd.gov.in/fishermen-warning.php>

**Table-1**  
**7 Days Rainfall Forecast**

S.No.	Subdivision	31- Jan	1- Feb	2- Feb	3- Feb	4- Feb	5- Feb	6- Feb
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	ISOL	DRY	ISOL	ISOL	ISOL	DRY	DRY
2	ARUNACHAL PRADESH	DRY	DRY	ISOL	ISOL	ISOL	DRY	DRY
3	ASSAM & MEHGHALAYA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
4	NAGALAND, MANIPUR, MIZORAM AND TRIPURA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
5	SUB HIMALAYAN WEST BENGAL & SIKKIM	DRY	DRY	DRY	ISOL	ISOL	DRY	DRY
6	GANGETIC WEST BENGAL	DRY	DRY	DRY	DRY	DRY	DRY	DRY
7	ODISHA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
8	JHARKHAND	DRY	DRY	DRY	ISOL	DRY	DRY	DRY
9	BIHAR	DRY	DRY	DRY	ISOL	DRY	DRY	DRY
10	EAST UTTAR PRADESH	DRY	ISOL	SCT	ISOL	DRY	DRY	DRY
11	WEST UTTAR PRADESH	ISOL	SCT	DRY	DRY	DRY	DRY	DRY
12	UTTARAKHAND	ISOL	SCT	ISOL	SCT	ISOL	DRY	ISOL
13	HARYANA, CHANDIGARH & DELHI	ISOL	FWS	ISOL	DRY	DRY	DRY	DRY
14	PUNJAB	ISOL	SCT	ISOL	DRY	DRY	DRY	DRY
15	HIMACHAL PRADESH	ISOL	FWS	SCT	SCT	DRY	DRY	ISOL
16	JAMMU AND KASHMIR AND LADAKH	ISOL	FWS	ISOL	FWS	DRY	ISOL	SCT
17	WEST RAJASTHAN	ISOL	ISOL	DRY	DRY	DRY	DRY	DRY
18	EAST RAJASTHAN	ISOL	ISOL	ISOL	ISOL	DRY	DRY	DRY
19	WEST MADHYA PRADESH	ISOL	ISOL	ISOL	ISOL	DRY	DRY	DRY
20	EAST MADHYA PRADESH	DRY	ISOL	ISOL	ISOL	DRY	DRY	DRY
21	GUJRAT REGION	DRY	DRY	DRY	DRY	DRY	DRY	DRY
22	SAURASHTRA & KUTCH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
23	KONKAN & GOA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
24	MADHYA MAHARASHTRA	DRY	DRY	DRY	ISOL	ISOL	DRY	DRY
25	MARATHWADA	DRY	DRY	DRY	ISOL	ISOL	DRY	DRY
26	VIDARBHA	DRY	DRY	ISOL	ISOL	DRY	DRY	DRY
27	CHHATTISGARH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
28	COASTAL ANDHRA PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
29	TELANGANA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
30	RAYALASEEMA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
31	TAMILNADU & PUDUCHERRY	ISOL	ISOL	ISOL	ISOL	SCT	ISOL	ISOL
32	COSTAL KARNATAKA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
33	NORTH INTERIOR KARNATAKA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
34	SOUTH INTERIOR KARNATAKA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
35	KERALA AND MAHE	DRY	ISOL	ISOL	DRY	DRY	DRY	DRY
36	LAKSHADWEEP	DRY	DRY	DRY	SCT	DRY	DRY	DRY

- As the lead period increases forecast accuracy decrease.





- Action may be taken based on ORANGE AND RED COLOUR warnings.
- Vulnerable regions likely urban and hilly areas action may be initiated for heavy rainfall warning.
- As the lead period increases forecast accuracy decreases.

Detailed district wise Multi Hazard weather warning for next five days available at  
<https://mausam.imd.gov.in/responsive/districtWiseWarningGIS.php>

## Weather forecast over Delhi/NCR during 31<sup>st</sup> January to 03<sup>rd</sup> February 2026

### Past Weather:

There has been fall in the minimum temperature up to 1°C and appreciably rise in the maximum temperature up to 3°C - 5°C during the past 24 hours over Delhi. The maximum temperatures over Delhi were around 19°C to 23°C and the minimum temperatures are around 07°C - 08°C respectively. The minimum temperatures are appreciably below normal (-3.1°C to -5.0°C) at isolated places, below normal (-1.6°C to -3.0°C) at few places and normal (-1.5°C to 1.5°C) over remaining parts of Delhi. The maximum temperatures are appreciably below normal (-3.1°C to -5.0°C) at isolated places, and normal (-1.5°C to 1.5°C) over remaining parts of Delhi. Safdarjung Airport reported lowest visibility 800m from 0730 IST to 1030 IST, which thereafter improved to 1000m from 1100 IST of today, 31-01-2026. Palam Airport reported lowest visibility 800m from 0800 IST to 0900 IST, which thereafter improved to 900m from 0930 IST of today, 31-01-2026. Partly cloudy sky conditions with predominant surface wind from the northwest directions with a wind speed up to 12 kmph prevailed during the past 24 hours. Partly cloudy sky conditions. The winds speed reaching up to 12 kmph from the east direction to be prevailed over the region in the forenoon today.

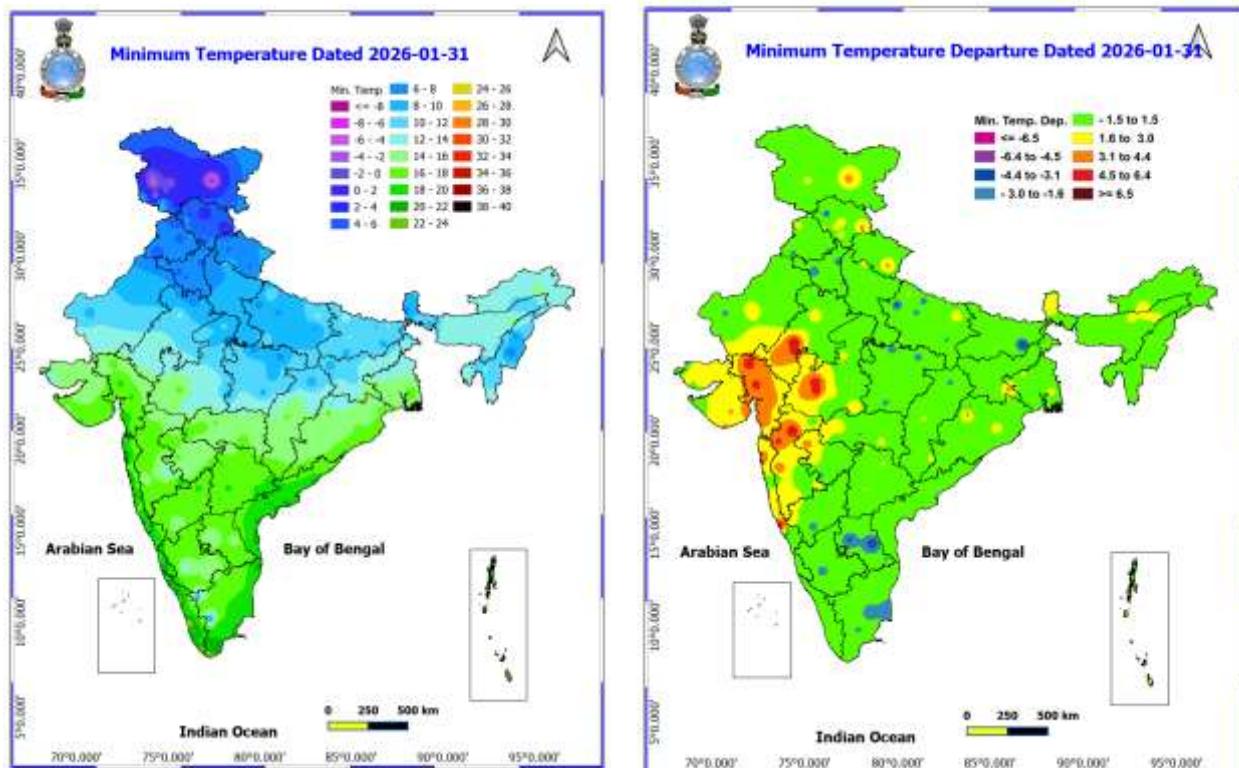
### Weather Forecast:

**31.01.2026:** Partly cloudy sky likely to become generally cloudy sky towards afternoon/evening with possibility of a spell of very light rain accompanied with thunderstorm/lightning and gusty winds speed reaching 30-40 kmph towards night. The maximum temperatures are likely to be in the range of 21°C to 23°C. The maximum temperatures will near normal over Delhi. The predominant surface wind is likely to be from the southeast direction reaching up to 10 kmph during the afternoon hours. The wind speed will decrease becoming less than 08 kmph from the east direction during evening and night.

**01.02.2026:** Generally cloudy sky. A spell of very light to light rain accompanied with thunderstorm/lightning with gusty winds (speed 30-40 kmph) during early morning to forenoon. Another spell of very light to light rain accompanied with thunderstorm during afternoon to evening. Shallow to moderate fog during morning hours. The maximum and minimum temperatures over Delhi are likely to be in the range of 17°C to 19°C and 10°C to 12°C respectively. The minimum temperatures will appreciable above normal (3.1°C to 5.0°C) and the maximum temperatures will appreciable below normal (-3.1°C to -5.0°C) over Delhi. The predominant surface wind is likely to be from the southeast direction with wind speed associated with calm wind reaching up to 05 kmph during the morning hours. The wind speed will increase becoming up to 08 kmph from the southeast direction in the afternoon. The wind speed will decrease becoming up to 05 kmph from the northeast direction during evening and night.

**02.02.2026:** Generally cloudy sky. Shallow to moderate fog during morning hours. The maximum and minimum temperatures over Delhi are likely to be in the range of 17°C to 19°C and 11°C to 13°C respectively. The minimum temperature will appreciable above normal (3.1°C to 5.0°C) and the maximum temperatures will appreciable below normal (-3.1°C to -5.0°C) over Delhi. The predominant surface wind is likely to be from the north direction with wind speed associated with calm wind reaching up to 05 kmph during the morning hours. The wind speed will increase becoming up to 08 kmph from north direction during the afternoon. The wind speed will decrease becoming up to 05 kmph from the north direction during evening and night.

**03.02.2026:** Generally cloudy sky. Shallow to moderate fog during morning hours. The maximum and minimum temperatures over Delhi are likely to be in the ranges of 17°C to 19°C and 10°C to 12°C respectively. The predominant surface wind is likely to be from the north direction with wind speed associated with calm wind reaching up to 05 kmph during the morning hours. The wind speed will increase becoming upto 10 kmph from northwest direction in the afternoon. The wind speed will increase becoming up to 12 kmph from the north direction during evening and night.



Reported minimum temperature over the plains ( $\leq 8^{\circ}\text{C}$ ) at 0830 hrs IST of the 31<sup>st</sup> January 2026.

Station	State	Temperature
FARIDKOT	PUNJAB	3.8
KARNAL	Haryana	4.5
HISSAR	Haryana	4.9
LUDHIANA	PUNJAB	5.4
PATIALA	PUNJAB	5.6
KHAJURAHO	Madhya Pradesh	6
AMRITSAR	PUNJAB	6.2
REWA	Madhya Pradesh	6.4
HARDOI	UTTAR PRADESH	6.5
AYANAGAR	NEW DELHI	6.6
MUZAFFAR NAGAR	BIHAR	6.6
SAFDARJUNG	NEW DELHI	6.7
MEERUT	UTTAR PRADESH	6.8
AMBALA	PUNJAB	7
BARABANKI	UTTAR PRADESH	7
SRIGANGANAGAR	RAJASTHAN	7.3
RIDGE	NEW DELHI	7.7
CHANDIGARH	CHANDIGARH	7.7
ROHTAK	Haryana	7.8
PACHMARHI	Madhya Pradesh	7.8
DATIA	Madhya Pradesh	7.8
SABAUR	BIHAR	7.8
UMARIA	Madhya Pradesh	7.9

Impact expected and action suggested due to isolated thunderstorm with lightning/ gusty winds and hailstorm over

- ❖ Light to moderate rainfall at isolated places over Western Himalayan Region on 31<sup>st</sup> January. Scattered to fairly widespread rainfall/snowfall with **thunderstorm, lightning & gusty winds speed reaching (30-40 gusting to 50 kmph)** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and Himachal Pradesh on 01<sup>st</sup> February and Uttarakhand on 01<sup>st</sup>-02<sup>nd</sup> February.
- ❖ **Isolated to Scattered** light rainfall with **thunderstorm, lightning** with **gusty winds speed reaching (30-40 gusting to 50 kmph)** likely over Punjab and Haryana Chandigarh on 01<sup>st</sup> February and Uttar Pradesh & Madhya Pradesh during 01<sup>st</sup> -03<sup>rd</sup> February; East Rajasthan during 31<sup>st</sup> January -02<sup>nd</sup> February.
- ❖ **Isolated Hailstorm activity also likely** over East Rajasthan on 31<sup>st</sup> January-01<sup>st</sup> February and over West Madhya Pradesh on 01<sup>st</sup> February, 2026.

**Impact expected:**

- Breaking of tree branches, uprooting of large avenue trees. Large dead limbs blown from trees. Damage to Standing crops.
- Minor to Major damage to banana and papaya trees.
- Minor to major damage to power and communication lines due to breaking of branches.
- 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:**

- People are advised to keep a watch on the weather for worsening conditions and be ready to move to safer places accordingly.
- 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 expected due to dense fog in the morning/night hours:** likely during morning/night hours in isolated pockets over Assam & Meghalaya, Sub-Himalayan West Bengal & Sikkim, Bihar, Punjab, Haryana, Chandigarh, Uttar Pradesh till 01<sup>st</sup> February; Odisha till February and East Rajasthan on 04<sup>th</sup> & 5<sup>th</sup> February.

**❖ 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.

**Impact expected due to Cold Day/ Severe Cold day conditions:**

- ❖ **Cold day** conditions likely in isolated pockets over West Uttar Pradesh on 31<sup>st</sup> and East Uttar Pradesh on 31<sup>st</sup> January & 01<sup>st</sup> February.
  - ❖ 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.

#### **Agromet advisories for likely impact of Hailstorm**

- ❖ Use hail nets to protect orchards and vegetable plants in West Madhya Pradesh and East Rajasthan.

#### **Agromet advisories for likely impact of Thunderstorm / Gusty Winds**

- ❖ Provide mechanical support to horticultural crops and staking or support to vegetables and young fruit plants / fruit-bearing plants to avoid lodging due to strong winds.

#### **Livestock**

- ❖ Keep the animals inside the shed during Hailstorm period and provide them balanced feed. Store feed and fodder in a safe place to prevent spoilage.

#### **Legends & abbreviations:**

- ❖ **Heavy Rain:** 64.5-115.5mm; **Very Heavy Rain:** 115.6-204.4mm; **Extremely Heavy Rain:** >204.4mm.
- ❖ **Obsy:** Observatory; Automatic Weather Station; **ARG:** Automatic Rain Gauge; **dist:** District; **NH:** National Highway; **KVK:** Krishi Vigyan Kendra; **DVC:** Damodar Valley Corporation; **PTO:** Part Time Office, **Aero:** Aerodrome, **IAF:** Indian Air Force.
- ❖ **Region wise classification of meteorological Sub-Divisions:**
  - **Northwest India:** Western Himalayan Region (Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh and Uttarakhand); Punjab, Haryana-Chandigarh-Delhi; West Uttar Pradesh, East Uttar Pradesh, West Rajasthan and East Rajasthan.
  - **Central India:** West Madhya Pradesh, East Madhya Pradesh, Vidarbha and Chhattisgarh.
  - **East India:** Bihar, Jharkhand, Sub-Himalayan West Bengal & Sikkim; Gangetic West Bengal, Odisha and Andaman & Nicobar Islands.
  - **Northeast India:** Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
  - **West India:** Gujarat Region, Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra and Marathawada.
  - **South India:** Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Coastal Karnataka, North Interior Karnataka, South Interior Karnataka, Kerala & Mahe, Tamil Nadu, Puducherry & Karaikal and Lakshadweep.

## LEGENDS

1. अंडमान और निकोबार द्वीपसमूह

2. अरुणाचल प्रदेश

3. असम और मेघालय

4. नागालैंड, मणिपुर, मिजोरम और त्रिपुरा

5. उप-हिमालयी पश्चिम बंगाल और सिक्किम

6. गंगीय पश्चिम बंगाल

7. ओडिशा

8. झारखण्ड

9. बिहार

10. पूर्वी उत्तर प्रदेश

11. पश्चिम उत्तर प्रदेश

12. उत्तराखण्ड

13. हरियाणा, चंडीगढ़ और दिल्ली

14. पंजाब

15. हिमाचल प्रदेश

16. जम्मू और कश्मीर और लद्दाख

17. पश्चिम राजस्थान

18. पूर्वी राजस्थान

19. पश्चिम मध्य प्रदेश

20. पूर्वी मध्य प्रदेश

21. गुजरात

22. सौराष्ट्र

23. कोकण और गोवा

24. मध्य महाराष्ट्र

25. मराठवाड़ा

26. विदर्भ

27. छत्तीसगढ़

28. तटीय आंध्र प्रदेश और यनम

29. तेलंगाना

30. रायलसीमा

31. तमिलनाडु, पुदुचेरी और कराईकल

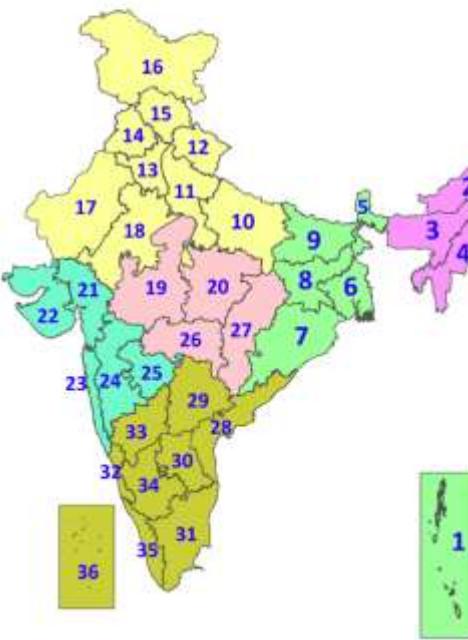
32. तटीय कर्नाटक

33. आतंरिक उत्तरी कर्नाटक

34. आतंरिक दक्षिणी कर्नाटक

35. केरल और माहे

36. लक्षद्वीप



1. Andaman & Nicobar Islands

2. Arunachal Pradesh

3. Assam & Meghalaya

4. Nagaland, Manipur, Mizoram & Tripura

5. Sub-Himalayan West Bengal & Sikkim

6. Gangetic West Bengal

7. Odisha

8. Jharkhand

9. Bihar

10. East Uttar Pradesh

11. West Uttar Pradesh

12. Uttarakhand

13. Haryana, Chandigarh & Delhi

14. Punjab

15. Himachal Pradesh

16. Jammu & Kashmir and Ladakh

17. West Rajasthan

18. East Rajasthan

19. West Madhya Pradesh

20. East Madhya Pradesh

21. Gujarat

22. Saurashtra

23. Konkan & Goa

24. Madhya Maharashtra

25. Marathwada

26. Vidarbha

27. Chhattisgarh

28. Coastal Andhra Pradesh & Yanam

29. Telangana

30. Rayalaseema

31. Tamilnadu, Puducherry & Karaikal

32. Coastal Karnataka

33. North Interior Karnataka

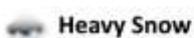
34. South Interior Karnataka

35. Kerala & Mahe

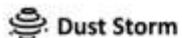
36. Lakshadweep

## SPATIAL DISTRIBUTION (% of Stations reporting)

% Stations	Category	% Stations	Category
76-100	Widespread (WS/Most Places)		
51-75	Fairly Widespread (FWS/Many Places)		
26-50	Scattered (SCT/A Few Places)		
1-25	Isolated (ISOL)		



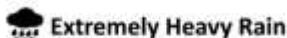
### COLOUR CODED WARNING



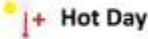
No Warning (No Action)



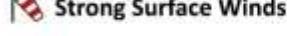
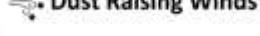
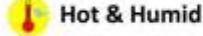
Watch (Be Aware)



Alert (Be Prepared To Take Action)



Warning (Take Action)



### Probabilistic Forecast

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

\* Red colour warning does not mean "Red Alert", Red colour warning means "Take Action".

Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day.

For more details, kindly visit <https://mausam.imd.gov.in> or contact: 011-2434-4599

(Service to the Nation since 1875)



## DEFINITION/CRITERIA

### Rain/ Snow \*

**Heavy:** 64.5 to 115.5 mm/cm \*
**Very Heavy:** 115.6 to 204.4 mm/cm \*
**Extremely Heavy:** > 204.4 mm/cm \*

When maximum temperature of a station reaches  $\geq 40^{\circ}\text{C}$  for plains and  $\geq 30^{\circ}\text{C}$  for hilly regions  
(a) Based on Departure from normal

**Heat Wave:** Maximum Temperature Departure from normal  $4.5^{\circ}\text{C}$  to  $6.4^{\circ}\text{C}$ .

**Severe Heat Wave:** Maximum Temperature Departure from normal  $\geq 6.5^{\circ}\text{C}$

### Heat Wave

(b). Based on Actual maximum temperature

**Heat Wave:** When actual maximum temperature  $\geq 45^{\circ}\text{C}$ .

**Severe Heat Wave:** When actual maximum temperature  $\geq 47^{\circ}\text{C}$

(c). Criteria for heat wave for coastal stations

When maximum temperature departure is  $>4.5^{\circ}\text{C}$  from normal. Heat Wave may be described provided maximum temperature  $\geq 37^{\circ}\text{C}$

### Warm Night

When maximum temperature remains  $40^{\circ}\text{C}$

**Warm Night:** When minimum temperature departure  $4.5^{\circ}\text{C}$  to  $6.4^{\circ}\text{C}$ .

**Severe Warm Night:** When minimum temperature departure  $>6.4^{\circ}\text{C}$

### Cold Wave

When minimum temperature of a station  $\leq 10^{\circ}\text{C}$  for plains and  $\leq 0^{\circ}\text{C}$  for hilly regions.

(a). Based on departure

**Cold Wave:** Minimum Temperature Departure from normal  $-4.5^{\circ}\text{C}$  to  $-6.4^{\circ}\text{C}$ .

**Severe Cold Wave:** Minimum Temperature Departure from normal  $\leq -6.5^{\circ}\text{C}$

(b) Based on actual Minimum Temperature (for Plains only)

**Cold Wave :** When Minimum Temperature is  $\leq 4.0^{\circ}\text{C}$

**Severe Cold Wave:** When Minimum Temperature is  $\leq 2.0^{\circ}\text{C}$

(c) For Coastal Stations

When Minimum Temperature departure is  $\leq -4.5^{\circ}\text{C}$  & actual Minimum Temperature is  $\leq 15^{\circ}\text{C}$

### Cold Day

When minimum temperature of a station  $\leq 10^{\circ}\text{C}$  for plains and  $\leq 0^{\circ}\text{C}$  for hilly regions

Based on departure

**Cold Day:** Maximum Temperature Departure from normal  $-4.5^{\circ}\text{C}$  to  $-6.4^{\circ}\text{C}$ .

**Severe Cold Day:** Maximum Temperature Departure from normal  $\leq -6.5^{\circ}\text{C}$

### Fog

Phenomenon of small droplets suspended in air and the horizontal visibility  $< 1\text{ km}$

**Moderate Fog:** When the visibility between 500-200 metres

**Dense Fog:** when the visibility between 50- 200 metres

**Very Dense Fog:** when the visibility  $< 50$  metres

### Thunderstorm

Sudden electrical discharges manifested by a flash of light (Lightning) and a sharp rumbling sound (thunder)

### Dust/Sand Storm

An ensemble of particles of dust or sand energetically lifted to great heights by a strong and turbulent wind.

### Frost

Ice deposits on ground

Air temperature  $\leq 4^{\circ}\text{C}$  ( over Plains)

### Squall

A strong wind that rises suddenly, lasts for atleast 1 minute.

**Moderate:** Wind speed 52-61 kmph

**Severe:** Wind speed 62-87 kmph

**Very Severe:** Wind speed  $>87$  kmph

### Sea State

Effect of various waves in the sea over specific area

**Rough to very rough:** Wind speed 41-62 kmph (22-33 knots) & Wave height 2.5-6 metre

**High to very high:** Wind speed 63-117 kmph ( 34-63 knots) & Wave height 6-14 metre

**Phenomenal:** Wind speed  $>117$  kmph ( $>63$  knots) & Wave height  $>14$  metre

### Cyclone

**Cyclonic Storm:** Wind speed 62-87 kmph (34-47 knots)

**Severe Cyclonic Storm:** Wind speed 88-117 kmph (48-63 knots)

**Very Severe Cyclonic Storm:** Wind speed 118-165 kmph (64 - 89 knots)

**Extremely Severe Cyclonic Storm:** Wind speed 166-220 kmph (90 - 119 knots)

**Super Cyclone Strom:** Wind speed  $>220$  kmph ( $>119$  knots)

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