



Government of India
Ministry of Earth Sciences
India Meteorological Department



Press Release
Date: 12th January 2026
Time of Issue: 1320 hours IST

Subject: (i) Cold wave to Severe Cold wave conditions very likely to continue over Rajasthan, Punjab, Haryana, Delhi, Himachal Pradesh and Uttarakhand during next 2-3 days and abate thereafter.
(ii) Dense fog conditions very likely to continue during morning hours over northwest India and Bihar during next 5 days.
(iii) Cold day to Severe Cold day conditions very likely in isolated pockets of Uttarakhand, Punjab, Haryana Chandigarh and West Rajasthan during next 2 days.

Realised weather during past 24 hours ending at 0830 hours IST of today, the 12th January, 2026:

- ❖ **Dense to very Dense fog (visibility <50 m) conditions** prevailed in most parts of Punjab; in many parts of Haryana; in some parts of Uttar Pradesh; in isolated pockets of Bihar, Uttarakhand & West Rajasthan; **dense fog (visibility 50-199 m) conditions** prevailed in isolated pockets over Delhi and Meghalaya.
- ❖ **Visibility reported (in meters ≤200 m): West Uttar Pradesh:** Sarsawa 0m, Aligarh 30m, Moradabad 50m, Najibabad 60m, Bareilly IAF 100m; **East Uttar Pradesh:** Gorakhpur IAF & Kushinagar 0m, Shrawasti, Azamgarh & Gorakhpur 100m each, Ballia, Varanasi 150m each; **Bihar:** Purnea(40) **Punjab:** Amritsar 0m, Bathinda(<50m), Faridkot(<50m), Gurdaspur (<50m), Ballawal Saunkri 10m; **Haryana:** Hisar 10m, Karnal 30m, Bhiwani(<50m); **West Rajasthan:** Ganganagar (<50m); **Uttarakhand:** Roorkee 30m, Roshnabad 20m, Bhagwanpur 30m, Laksar 30m, Pantnagar 50m, Khatima 150 m; **Meghalaya:** Barapani 100m; **Delhi:** Palam 150.
- ❖ **Cold wave to severe cold wave conditions** prevailed in some places over Himachal Pradesh, Punjab, Haryana, Chandigarh; in isolated pockets of Rajasthan.
- ❖ **Cold day to severe cold day conditions** prevailed in isolated pockets of Uttarakhand, Punjab, Haryana, West Rajasthan; **cold day conditions** in isolated pockets of East Rajasthan.
- ❖ **Ground frost conditions** have been recorded in isolated pockets over Uttarakhand.
- ❖ **Heavy rainfall** has been recorded at isolated places over south Tamil Nadu.

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

- ❖ **Minimum temperatures** were **below 0°C** at many places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad; **1-5°C** at many places over Himachal Pradesh; at a few places over Punjab, Haryana, Chandigarh, Delhi and West Uttar Pradesh; **5°-10°C** at many places over East Uttar Pradesh, Rajasthan, Bihar, Madhya Pradesh, Gangetic West Bengal; at a few places over Assam & Meghalaya, Chhattisgarh, Jharkhand, Gujarat Region, north Odisha; at isolated places over Madhya Maharashtra and Sub-Himalayan West Bengal.
- ❖ Minimum Temperatures were below normal (-3°C to -6°C) over Haryana, Chandigarh & Delhi, Rajasthan, Uttar Pradesh, Chhattisgarh, Bihar, Saurashtra & Kutch and near normal over rest parts of the country. (**refer to ANNEXURE IV**)
- ❖ The **lowest minimum temperature** of 0.6°C was observed at **Bhatinda (Punjab)** over the plains of India.

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

- ❖ An upper air **cyclonic circulation** lies over Comorin area & neighbourhood in lower tropospheric levels.
- ❖ Subtropical westerly Jet Stream with core winds of the order of 100 knots at 12.6 km above mean sea level prevails over northeast India.
- ❖ The **Western Disturbance** as a trough in middle tropospheric westerlies runs roughly along Long. 65°E to the north of Lat. 30°N.
- ❖ An upper air **cyclonic circulation** lies over north Haryana & neighbourhood in lower tropospheric levels.

- ❖ A fresh Western disturbance is likely to affect Western Himalayan region from 15th January, 2025.

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

- ❖ **Heavy Rainfall** at isolated places very likely over Tamil Nadu, Puducherry & Karaikal on 12th January.
- ❖ Light to moderate scattered to fairly widespread rainfall/snowfall likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh and Uttarakhand during 15th-18th January and isolated rainfall over Punjab on 17th & 18th January.

Forecast of minimum temperatures:

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

Dense Fog, Cold day & Cold wave Warnings:

- ❖ **Dense to very dense fog** conditions very likely to prevail in morning hours in isolated/some pockets over Haryana, Chandigarh & Delhi and Punjab till 14th and Dense fog in isolated pockets till 18th January 2026.
- ❖ **Dense to very dense fog** conditions very likely to prevail in morning hours in isolated/some pockets over West Uttar Pradesh till 19th; over East Uttar Pradesh during 17th -19th; Dense fog in isolated pockets of East Uttar Pradesh during 13th -16th January 2026.
- ❖ **Dense fog** conditions also likely during morning hours in isolated pockets over Jammu division till 16th; Himachal Pradesh, Uttarakhand and Bihar till 17th; over West Rajasthan till 13th; Sub-Himalayan West Bengal & Sikkim till 14th; Assam & Meghalaya on 16th & 17th January.
- ❖ **Cold day to Severe Cold day** conditions very likely in isolated pockets of Punjab, Haryana, Chandigarh on 12th & 13th; **Cold day conditions** in some parts of West Rajasthan on 12th; in isolated pockets of Uttarakhand on 12th & 13th January.
- ❖ **Cold wave to Severe Cold wave** conditions very likely in isolated/some parts of Punjab, Haryana, Chandigarh & Delhi on 13th & 14th and Rajasthan on 13th January.
- ❖ **Cold wave conditions** very likely in isolated pockets over Himachal Pradesh, West Uttar Pradesh on 13th & 14th; Rajasthan on 14th & 15th; Odisha during 13th-15th and Jharkhand during 13th-16th January.

Ground frost Warning:

- ❖ **Ground frost conditions** very likely in isolated pockets over Uttarakhand, Punjab, Haryana Chandigarh and Rajasthan on 12th January, 2026.

Fishermen Warning:

Fishermen are advised not to venture into the following areas during 12th January to 17th January, 2026:

- **Bay of Bengal:** Over some parts of Comorin area during 12th to 15th January.

Weather conditions and forecast over Delhi/NCR during 12th -15th January, 2026 (ANNEXURE III) For more details, kindly refer National Weather Bulletin:

https://mausam.imd.gov.in/responsive/all_india_forecast_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>

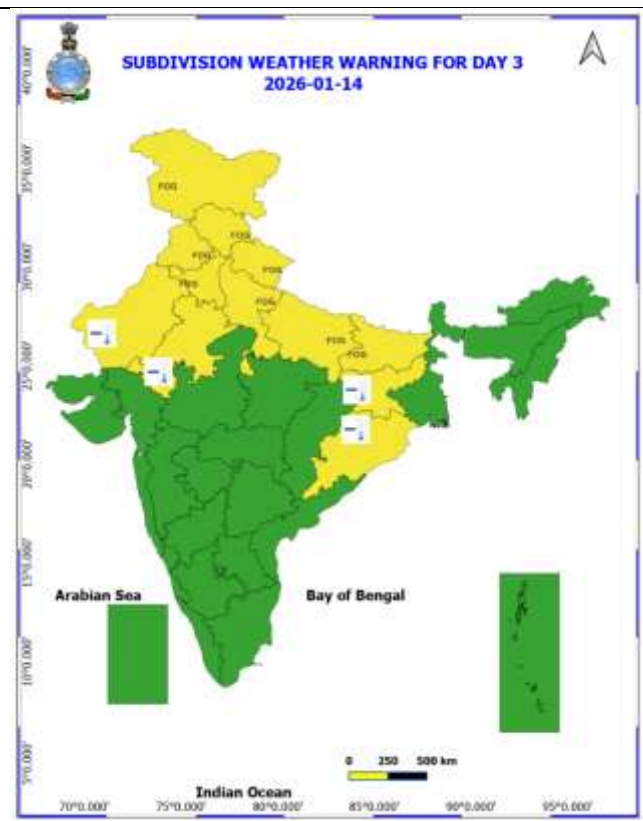
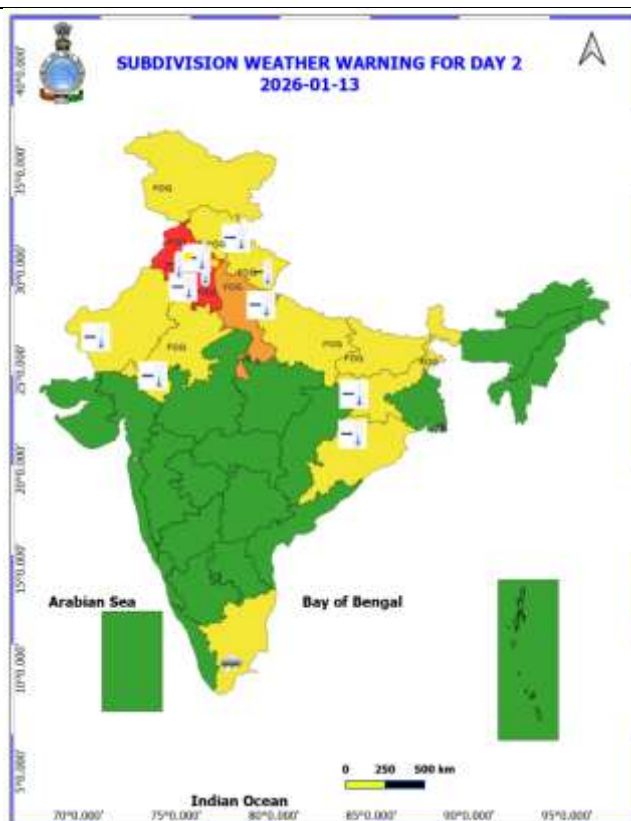
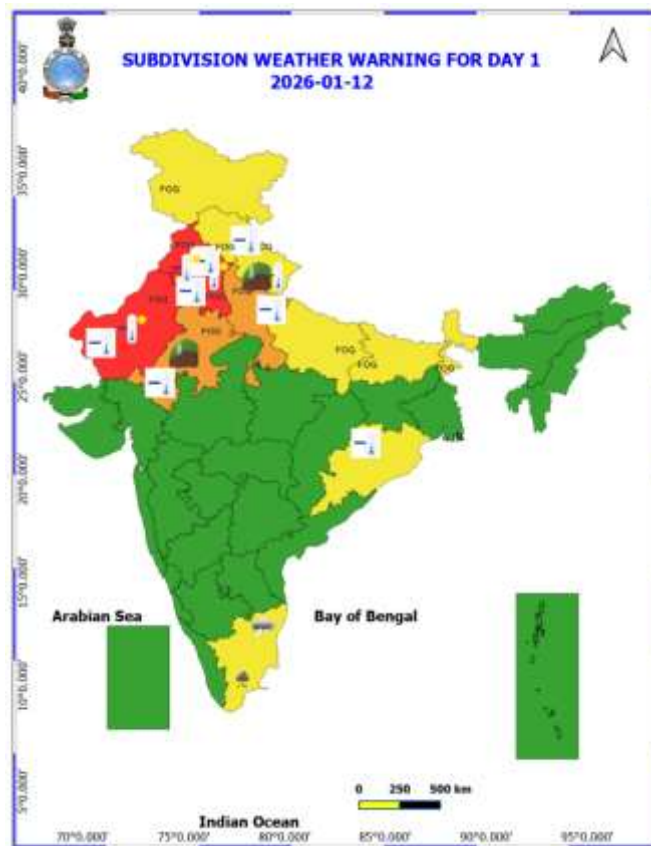
Significant rainfall recorded (in cm) (from 0830 hours IST of yesterday to 0830 hours IST of today):

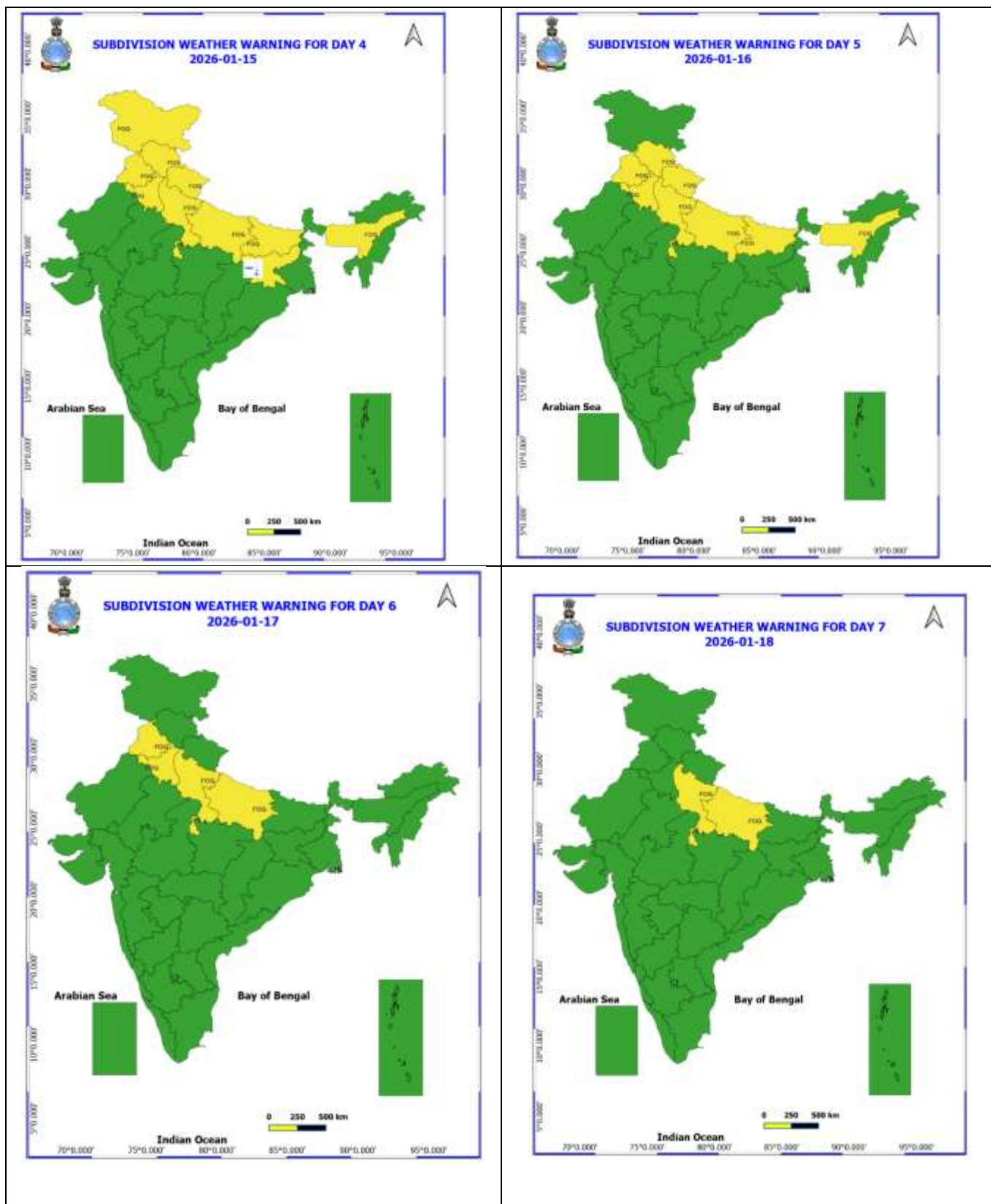
Tamil Nadu: Nalumukku (dist Tirunelveli), Oothu (dist Tirunelveli) 7 Each.

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

- As the lead period increases forecast accuracy decrease.

ANNEXURE II





- Action may be taken based on ORANGE AND REDCOLOUR 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 districtwise Multi Hazard weather warning for next five days available at
<https://mausam.imd.gov.in/responsive/districtWiseWarningGIS.php>

Weather forecast over Delhi/NCR during 12th to 15th January 2026**Past Weather:**

There has been a fall in minimum temperature by 1°C and a fall in maximum temperatures by 1°C during the past 24 hours over Delhi. The maximum and minimum temperatures over Delhi were around 15°C to 19°C and 03°C to 04°C, respectively. The minimum temperatures are appreciably below normal (-3.1 to -5.0°C) at most places and below normal (-1.6 to -3.0°C) at isolated places over Delhi. The maximum temperatures were appreciably below normal (-3.1 to -5.0) at isolated places, below normal (-1.6 to -3.0) at isolated places and normal (-1.5°C to 1.5°C) over remaining parts of Delhi. Safdarjung reported lowest visibility 800m from 0800 to 0830 IST, which thereafter improved to 1000m at 0900 IST of today, 12.01.2026. Palam reported lowest visibility 150m from 0900 to 0930 IST, which thereafter improved to 300m at 1000 IST of today, 12.01.2026. Mainly clear sky with moderate to dense fog and predominant surface wind from the west direction with a wind speed up to 18 kmph prevailed during the past 24 hours. Mainly clear sky with wind speed reaching up to 10 kmph from the west direction prevailed over the region in the forenoon today.

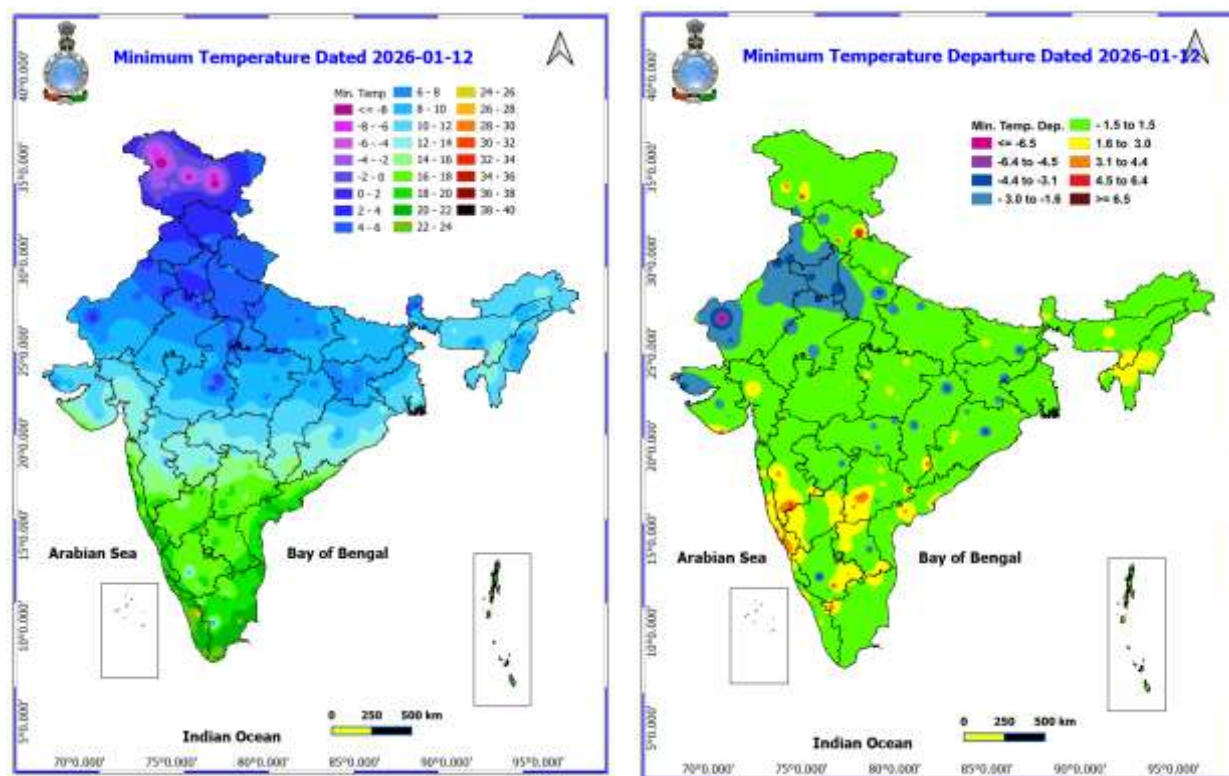
Weather Forecast:

12.01.2026: Mainly clear sky. Mist/haze during night. The maximum temperatures are likely to be in the range of 18°C to 20°C. Maximum temperatures will be near normal over Delhi. The predominant surface wind is likely to be from the northwest direction with wind speeds less than 10kmph during the afternoon hours. The wind speed will decrease, becoming less than 05 kmph from the north-northwest direction during the evening and night.

13.01.2026: Mainly clear sky. Cold wave conditions at a few places. Moderate fog at many places with dense fog at isolated places during morning hours. The maximum and minimum temperatures in Delhi are likely to be in the ranges of 19°C to 21°C and 03°C to 05°C, respectively. The minimum temperature will be appreciably below normal (-3.1 to -5.0°C) at many places & below normal (-1.6 to -3.0°C) and the maximum temperatures will be near normal over Delhi. The predominant surface wind is likely to be from the west direction associated with calm wind reaching upto 05 kmph during the morning hours. The wind speed will increase becoming less than 10kmph from the northwest direction in the afternoon hours. The wind speed will decrease becoming less than 08kmph from the west direction during evening and night.

14.01.2025: Mainly clear sky. cold wave conditions at isolated places. Shallow to moderate fog during morning hours. The maximum and minimum temperatures in Delhi are likely to be in the ranges of 19°C to 21°C and 03°C to 05°C, respectively. The minimum temperature will be appreciably below normal (-3.1 to -5.0°C) at isolated places & below normal (-1.6 to -3.0°C) and the maximum temperatures will be near normal over Delhi. The predominant surface wind is likely to be from the west direction with wind speeds less than 10kmph during the morning hours. The wind speed will increase becoming 15kmph from the northwest direction in the afternoon. The wind speed will decrease up to 10kmph from west direction during the evening and night.

15.01.2026: Partly cloudy sky. Shallow to moderate fog during morning hours. The maximum and minimum temperatures in Delhi are likely to be in the ranges of 20°C to 22°C and 05°C to 07°C, respectively. The minimum temperatures will be below normal (-1.6 to -3.0°C) and the maximum temperatures will be above normal (1.6°C to 3.0°C) over Delhi. The predominant surface wind is likely to be from the west direction with wind speeds gradually increasing reaching up to 10kmph during the morning hours. The wind speed will increase becoming 15kmph from the west direction in the afternoon. The wind speed will decrease up to 10kmph from west direction during the evening and night.



Reported minimum temperature ($\leq 5^{\circ}\text{C}$) at 0830 hrs IST of the 12th January 2026.

Station	State	Temperature
Amritsar	Punjab	1.1
Churu	Rajasthan	1.3
Ganganagar	Rajasthan	1.4
Jaisalmer	Rajasthan	2.5
Hissar	Haryana	2.6
Lodhi Road	New Delhi	3.0
Safdarjung	New Delhi	3.2
Ayanagar	New Delhi	3.2
Palam	New Delhi	3.3
Karnal	Haryana	3.5
Ridge	New Delhi	4.2
Patiala	Punjab	4.3
Ambala	Haryana	4.5
Meerut	Uttar Pradesh	4.5
Deomali	Uttar Pradesh	4.9

Impact expected due to dense/very dense fog in the morning hours: Dense fog conditions very likely to continue during morning hours over northwest India and Bihar during next 5 days.

❖ **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.

Impact expected due to Cold Wave conditions: Cold wave to Severe Cold wave conditions very likely to continue over Rajasthan, Punjab, Haryana, Delhi, Himachal Pradesh and Uttarakhand during next 2-3 days and abate thereafter.

- ❖ 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.

Impact expected due to Cold Day conditions: Cold day to Severe Cold day conditions very likely in isolated pockets of Uttarakhand, Punjab, Haryana Chandigarh and West Rajasthan during next 2 days.

- ❖ 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 Woolen 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 Heavy Rainfall

- In **Tamil Nadu**, keep the harvested produce in safe places. Make necessary arrangements to drain out excess rainwater from the standing crops and vegetable fields. Provide staking to tomato, chilli, climbers, and vine vegetables. Strengthen supports and pandals in vegetable fields.

Agromet advisories for likely impact of Cold Waves/ Ground Frost/ Low Temperatures

- In **Himachal Pradesh, Uttarakhand, Punjab, Haryana, West Uttar Pradesh, Rajasthan, Odisha and Jharkhand**, apply light and frequent irrigation to the standing crops in the evening hours to protect crops from low temperature stress or cold injury. Use mulching and cover the vegetable nurseries and young fruit plants with straw / polythene sheets to maintain optimum soil temperature.

Livestock / Poultry

- Keep the cattle in the sheds during night and provide dry bedding to protect them from cold.
- Keep the chicks warm by providing artificial light in the poultry sheds.

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.

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. झारखंड

9. बिहार

10. पूर्वी उत्तर प्रदेश

11. पश्चिम उत्तर प्रदेश

12. उत्तराखंड

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. कोंकण और गोवा

24. मध्य महाराष्ट्र

25. मराठवाड़ा

26. विदर्भ

27. छत्तीसगढ़

28. तटीय आंध्र प्रदेश और यनम

29. तेलंगाना

30. रायलसीमा

31. तमिलनाडु, पुडुचेरी और कराईकल

32. तटीय कर्नाटक

33. आंतरिक उत्तरी कर्नाटक

34. आंतरिक 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)	26-50	Scattered (SCT/A Few Places)
51-75	Fairly Widespread (FWS/Many Places)	1-25	Isolated (ISOL)



Fog



Heavy Snow



Cold Wave



Heavy Rain



Dust Storm



Cold Day



Very Heavy Rain



Heat Wave



Ground Frost



Extremely Heavy Rain



Warm Night



Thunder & Lightning



Hot Day



Hailstorm



Hot & Humid



Dust Raising Winds



Strong Surface Winds

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

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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 *

Heat Wave

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°C to 6.4°C .

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

(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°C

Warm Night: When minimum temperature departure 4.5°C to 6.4°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°C to -6.4°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°C to -6.4°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 62-67 kmph

Very Severe: Wind speed > 67 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 Storm: Wind speed > 220 kmph (> 119 knots)

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