Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release
Date:11th January 2026
Time of Issue: 1400 hours IST

Subject: (i) Cold wave to Severe Cold wave conditions very likely to continue over Rajasthan, Punjab, Haryana, Delhi, Himachal Pradesh and Uttarakhand on 12th & 13th with cold wave conditions in isolated pockets on 14th January with reduction thereafter.
(ii) Dense fog conditions very likely to continue during morning hours over northwest India and Bihar during next 5 day.
(iii) Cold day conditions likely to prevail in isolated parts of Bihar during 11th -16th January and over North Rajasthan on 11th January.

Realised weather during past 24 hours ending at 0830 hours IST of today, the 11th January, 2026:

- **Dense to very Dense fog (visibility <50 m) conditions** prevailed in many parts of Uttar Pradesh, at isolated places of Uttarakhand, Bihar, Punjab **dense fog (visibility 50-199 m)** conditions prevailed in isolated pockets over Haryana, Assam, Jammu division, Himachal Pradesh and Rajasthan.
- **Visibility reported (in meters ≤200 m): Assam:** Dhubri(100); **Bihar:** Bhagalpur (30), Patna(100), Purnea(50-199); **Jammu:** Jammu Airport (100); **Himachal Pradesh:** Bilaspur(100); **Uttarakhand:** Roorkee (30), Roshnabad (30), Kashipur (30); **Punjab:** Amritsar(0); **Haryana:** Ambala(150); **West Uttar Pradesh:** Aligarh-(30), Sarsawa(IAF)(50), Ams Moradabad & Najibabad(100) Each; **East Uttar Pradesh:** Ams Kushinagar, Gorakhpur(IAF) & Azamgarh(00) Each, Gorakhpur(10), Ballia & Bahraich(20) Each, Basti(50), Ams Shravasti(100); **West Rajasthan:** Bikaner(100),Churu(70),Sri Ganganagar(100); **East Rajasthan:** Pilani(90)
- **Cold wave to severe cold wave conditions** prevailed in some places over Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi and Rajasthan and **Cold wave conditions** prevailed over Jharkhand.
- **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; at few places over Himachal Pradesh; at isolated places over Uttarakhand; **1-5°C** at a few places over Punjab, Haryana Chandigarh, Delhi and north Rajasthan; **5°-10°C** at many places Uttar Pradesh, Madhya Pradesh, at few places over Odisha, Bihar, East Rajasthan and Gujarat State; at isolated places over Chhattisgarh, Jharkhand, Odisha, West Bengal & Sikkim, Assam & Meghalaya and Madhya Maharashtra.
- Minimum Temperatures were below normal (-3°C to -6°C) over Northwest India (south Punjab, south Haryana, Delhi, Rajasthan), northwest Telangana and adjoining Maharashtra and near normal over rest part of the country. (**refer to ANNEXURE IV**)
- The **lowest minimum temperature** of 1.2°C was observed at **Pilani (East Rajasthan)** over the plains of India.

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

- Yesterday's depression over north coastal Sri Lanka moved northwestwards and weakened into a Well-Marked Low-Pressure area over north Sri Lanka and adjoining Gulf of Mannar at 2330 hrs IST of yesterday, the 10th January 2026 and weaken further gradually into a low-pressure area over south coastal Tamil Nadu and adjoining Gulf of Mannar at 0530 hrs IST of today and become less marked at 0830 hrs IST of today. However, the remnant cyclonic circulation lay over the same region in lower tropospheric level.
- Subtropical westerly Jet Stream with core winds of the order of 105 knots at 12.6 km above mean sea level prevails over northeast India.

- A Western Disturbance as a trough in middle tropospheric westerlies with its axis in middle tropospheric level runs roughly along Long. 54°E to the north of Lat. 23°N.

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

Dense Fog, Cold day & Cold wave Warnings:

- **Dense to very dense fog** conditions very likely to prevail in morning hours in isolated pockets over Uttar Pradesh till 13th 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 parts over Bihar till 12th January and Dense fog in isolated pockets till 17th January 2026.
- **Dense fog** conditions also likely during morning hours in isolated/some pockets over Jammu division, Himachal Pradesh, Uttarakhand, Punjab till 16th, Haryana Chandigarh & Delhi till 17th; West Rajasthan till 13th; East Rajasthan and Sub-Himalayan West Bengal & Sikkim till 14th; Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura on 14th January.
- **Cold day conditions** likely to prevail in isolated parts over Rajasthan on 11th; Bihar during 11th -16th January.
- **Cold wave to Severe Cold wave** conditions very likely in many/some pockets of Rajasthan on 12th & 13th and cold wave conditions on 14th January.
- **Cold wave to Severe Cold wave** conditions very likely in isolated pockets of Himachal Pradesh till 13th and cold wave conditions on 14th January.
- **Cold wave to Severe Cold wave** conditions very likely in isolated pockets of Uttarakhand on 12th and cold wave conditions on 13th & 14th January.
- **Cold wave to Severe Cold wave** conditions very likely in isolated pockets of Punjab, Haryana Chandigarh & Delhi on 12th and cold wave conditions on 13th January.
- **Cold wave to Severe Cold wave** conditions very likely in isolated pockets of West Uttar Pradesh on 13th and cold wave conditions on till 14th January.
- **Cold wave conditions** very likely in isolated pockets over Jharkhand during 14th – 16th; Kutch on 12th & 13th January.

Forecast of minimum temperatures:

- No significant change in minimum temperature likely over northwest India during next 3 days and gradual rise by 2-3°C during subsequent 4 days.
- No significant change in minimum temperature likely over Central India during next 4 days and gradual rise by 2-4°C during subsequent 3 days.
- Gradual fall in minimum temperature likely over East and northeast India by 2-3°C during next 2-3 days and thereafter no significant change for subsequent 4-5 days.
- Gradual rise in minimum temperature likely over Maharashtra by 2-3°C during next 2 days and thereafter no significant change for next 5 days.
- No significant change in minimum temperature over rest of the country.

Fishermen Warning:

Fishermen are advised not to venture into the following areas during 11th January to 16th January, 2026:

- **Bay of Bengal:** Over Gulf of Mannar & adjoining, some parts of Comorin area during 11th to 13th January; along and off Sri Lanka coast, Tamil Nadu coasts and over many parts of southwest Bay of Bengal on 11th January.

Weather conditions and forecast over Delhi/NCR during 11th -14th January, 2026 (ANNEXURE III) For more details, kindly refer National Weather Bulletin:
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

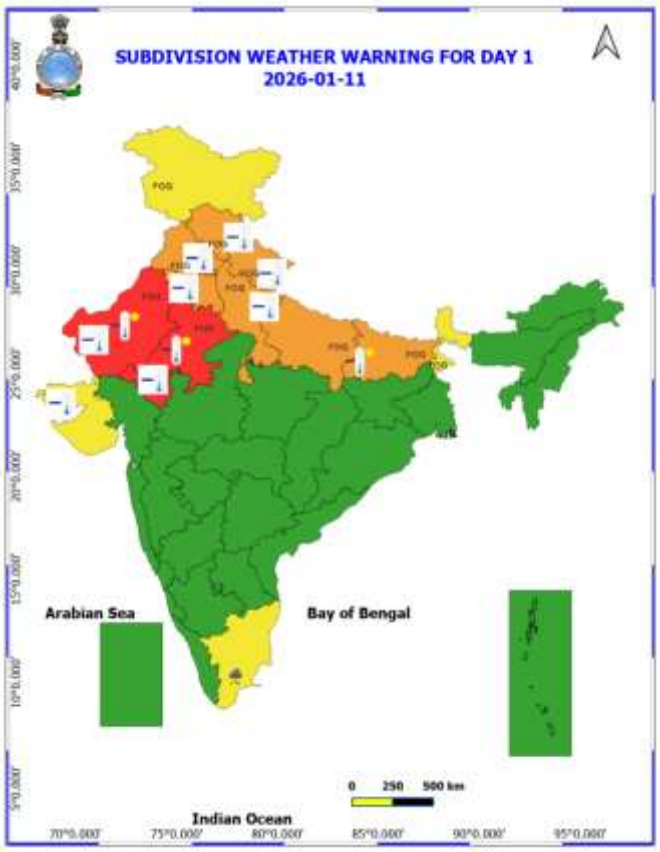
Significant rainfall recorded (in cm) (from 0830 hours IST of yesterday to 0830 hours IST of today):
Tamil Nadu: Velankanni (dist Nagapattinam) 9.

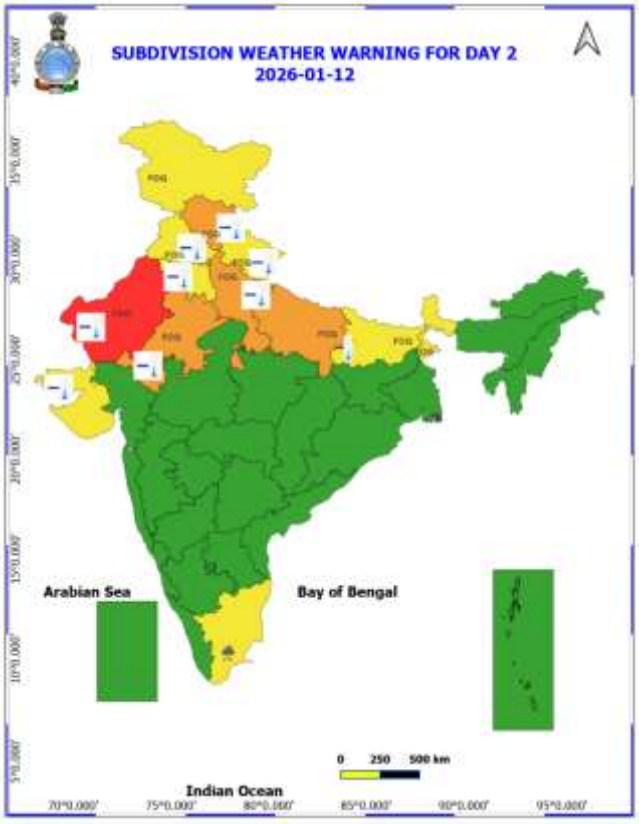
ANNEXURE I

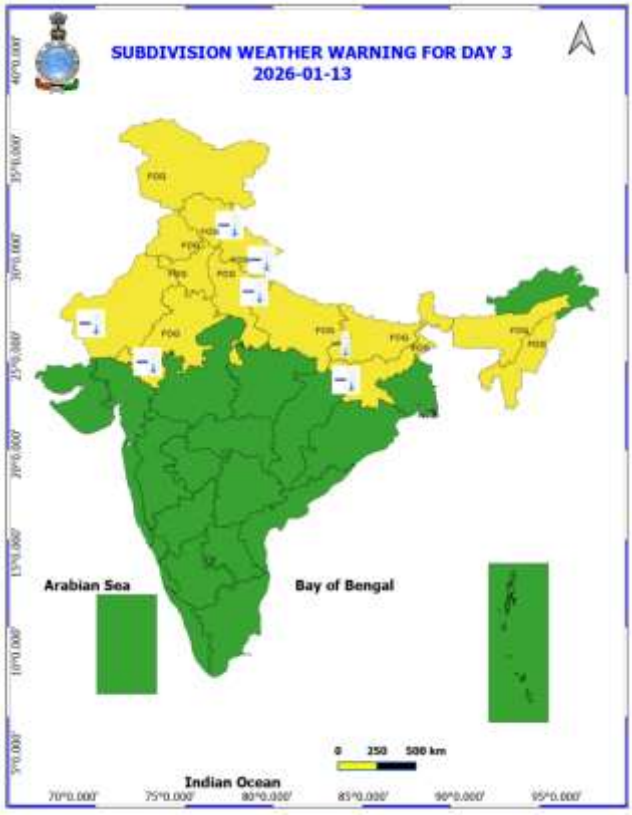
Table-1 7 Days Rainfall Forecast								
S.No.	Subdivision	11- Jan	12- Jan	13- Jan	14- Jan	15- Jan	16- Jan	17- Jan
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	DRY	DRY	DRY	ISOL	ISOL	ISOL	DRY
2	ARUNACHAL PRADESH	ISOL	DRY	DRY	ISOL	ISOL	DRY	DRY
3	ASSAM & MEHGHALAYA	DRY	DRY	DRY	ISOL	ISOL	DRY	DRY
4	NAGALAND, MANIPUR, MIZORAM AND TRIPURA	DRY	DRY	DRY	DRY	ISOL	DRY	DRY
5	SUB HIMALAYAN WEST BENGAL & SIKKIM	DRY	DRY	DRY	DRY	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	DRY
12	UTTARAKHAND	DRY	DRY	DRY	DRY	DRY	DRY	DRY
13	HARYANA, CHANDIGARH & DELHI	DRY	DRY	DRY	DRY	DRY	DRY	ISOL
14	PUNJAB	DRY	DRY	DRY	DRY	DRY	DRY	DRY
15	HIMACHAL PRADESH	DRY	DRY	DRY	DRY	DRY	ISOL	ISOL
16	JAMMU AND KASHMIR AND LADAKH	DRY	ISOL	DRY	DRY	DRY	ISOL	DRY
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	DRY	ISOL	DRY	DRY	DRY	DRY	DRY
24	MADHYA MAHARASHTRA	DRY	ISOL	ISOL	DRY	DRY	DRY	DRY
25	MARATHWADA	DRY	DRY	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	ISOL	DRY	DRY	DRY	DRY	DRY
29	TELANGANA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
30	RAYALASEEMA	SCT	ISOL	DRY	DRY	DRY	DRY	DRY
31	TAMILNADU & PUDUCHERRY	SCT	SCT	ISOL	ISOL	DRY	DRY	DRY
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	ISOL	ISOL	DRY	DRY	DRY	DRY	DRY
35	KERALA AND MAHE	SCT	SCT	ISOL	ISOL	ISOL	DRY	DRY
36	LAKSHADWEEP	SCT	FWS	FWS	SCT	SCT	DRY	DRY

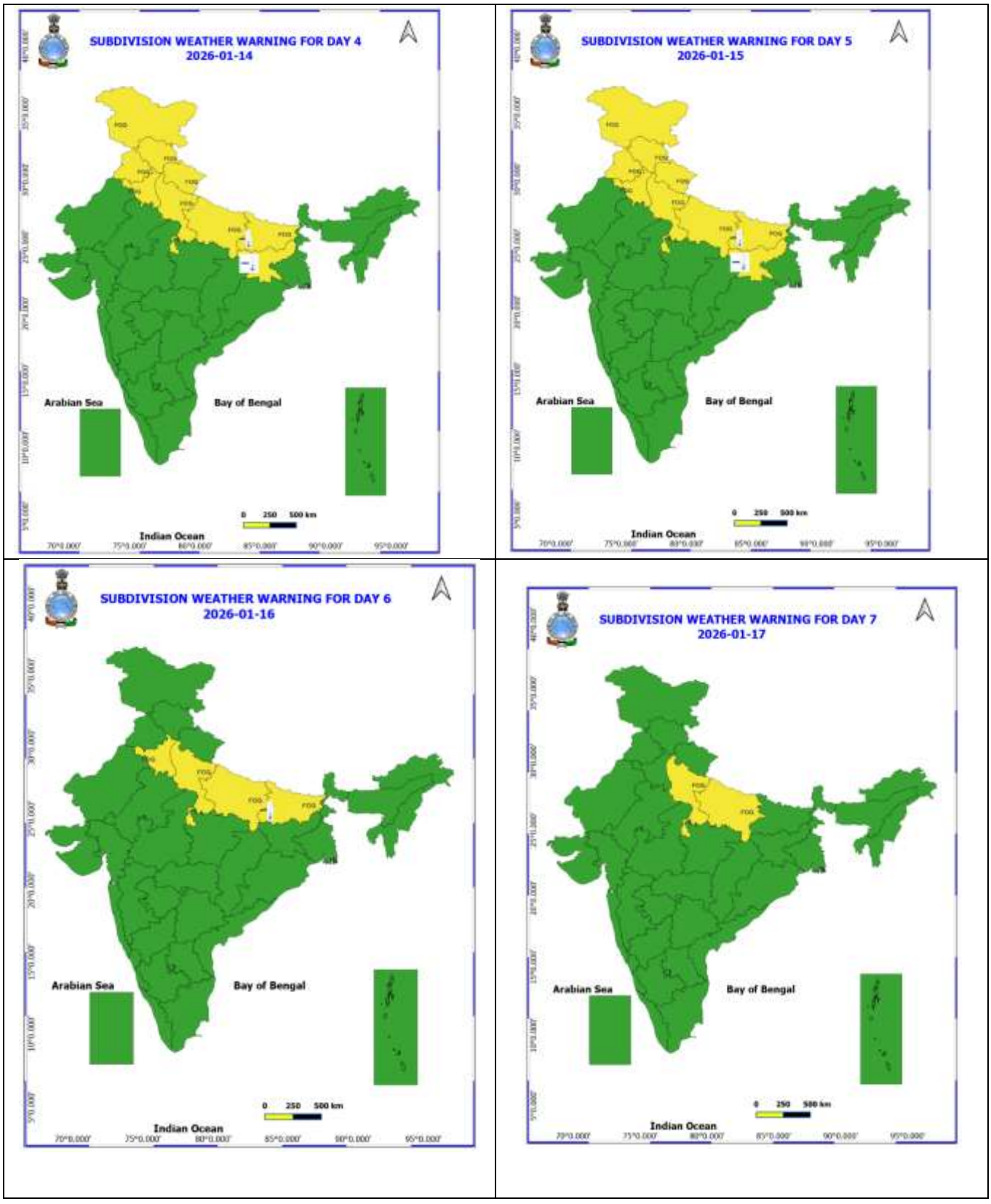
- **As the lead period increases forecast accuracy decrease.**

ANNEXURE II


SUBDIVISION WEATHER WARNING FOR DAY 1
2026-01-11
FOG
Arabian Sea
Bay of Bengal
0 250 500 km
Indian Ocean


SUBDIVISION WEATHER WARNING FOR DAY 2
2026-01-12
FOG
Arabian Sea
Bay of Bengal
0 250 500 km
Indian Ocean


SUBDIVISION WEATHER WARNING FOR DAY 3
2026-01-13
FOG
Arabian Sea
Bay of Bengal
0 250 500 km
Indian Ocean



- **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.**

DetaileddistrictwiseMultiHazardweatherwarningfornextfivedaysavailableat
https://mausam.imd.gov.in/responsive/districtWiseWarningGIS.php

ANNEXURE III

Weather forecast over Delhi/NCR during 11th to 14th January 2026

Past Weather:

There has been fall in the minimum temperatures up to 1-2°C and rise in the maximum temperatures by 1-2°C during past 24 hours over Delhi. The maximum temperatures over Delhi were around 16°C to 20°C and minimum temperatures are around 03 - 05°C, respectively. The minimum temperatures are appreciably below normal (-3.1 to -5.0) at many places, below normal (- 1.6 to -3.0°C) at isolated places and normal (-1.5 to 1.5°C) over remaining parts of Delhi. The maximum temperatures are appreciably above normal (3.1 to 5.0) at isolated places, above normal (1.6 to 3.0) at isolated places, below normal (-1.6 to -3.0°C) at isolated places and normal (-1.5°C to 1.5°C) over remaining parts of Delhi. Safdarjung reported lowest visibility 600 m from 0630 IST to 0800 IST, which thereafter improved to 1000 m at 0930 IST onwards of today, 11.01.2026. Palam reported lowest visibility 400 m from 0830 IST to 0900 IST which thereafter improved to 600m from 0930 IST of today, 11.01.2026. Partly cloudy sky with mist/haze during night, and predominant surface wind from the west direction with a wind speed up to 15 kmph prevailed during the past 24 hours. Mainly clear sky with wind speed reaching up to 12 kmph from the southwest direction prevailed over the region in the forenoon today.

Weather Forecast:

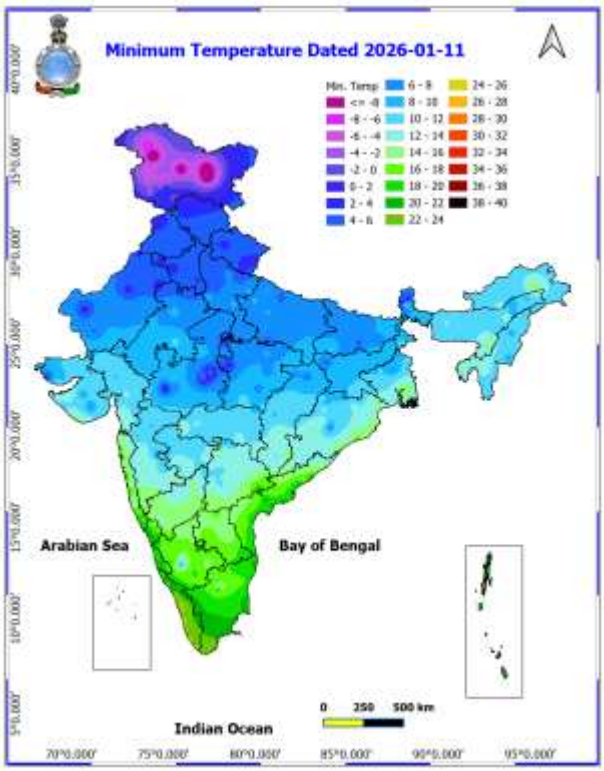
11.01.2026: Mainly clear sky. Cold wave conditions at many places. Mist/Haze during night. Surface wind speeds up to 10-15 kmph during the daytime. The maximum temperatures are likely to be in the range of 18 °C to 20°C. Maximum temperatures will be above normal (1.6 to 3.0°C) over Delhi. The predominant surface wind is likely to be from the northwest direction with wind speeds less than 20 kmph during the afternoon hours. The wind speed will decrease, becoming less than 10 kmph from the west direction during the evening and night.

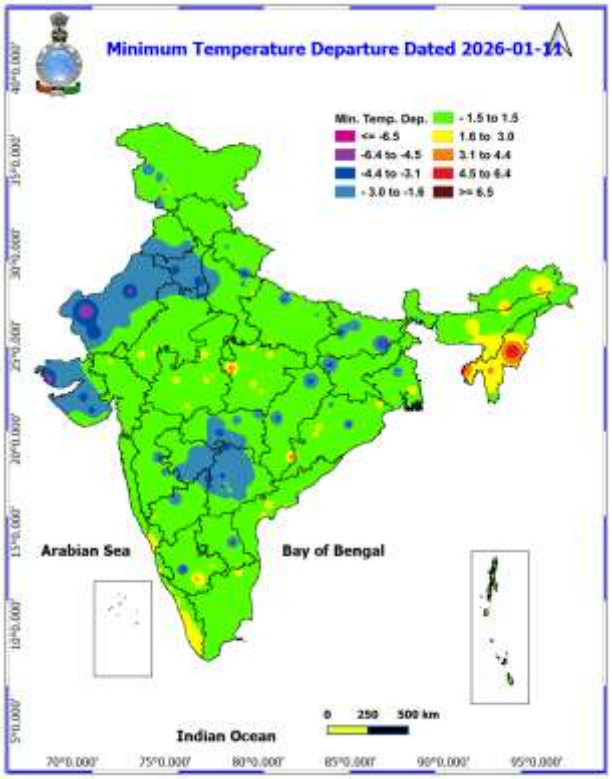
12.01.2026: Mainly clear sky. Cold wave conditions at a few places. Shallow to Moderate fog during morning hours. The maximum and minimum temperatures in Delhi are likely to be in the ranges of 18°C to 20°C and 02°C to 04 °C, respectively. The minimum temperatures will appreciably below normal (-3.1 to -5.0°C) at many places with below normal (- 1.6 to -3.0°C) at isolated places and the maximum temperatures will below normal (-1.6°C to -3.0°C) over Delhi. The predominant surface wind is likely to be from the west direction with wind speed less than 10 kmph during the morning hours. The wind speed will remain up to 10 kmph from northwest direction in the afternoon hours. The wind speed will decrease gradually becoming less 05 kmph from the west direction during evening and night.

13.01.2026: Partly cloudy sky. Cold wave conditions at isolated places. Moderate fog during the morning hours. The maximum and minimum temperatures in Delhi are likely to be in the ranges of 19°C to 21°C and 3°C to 5°C, respectively. The minimum temperatures will be below normal (-1.6°C 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 upto 15 kmph from the northwest direction in the afternoon. The wind will decrease becoming less than 08 kmph from west direction during the evening and night.

14.01.2026: 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 19°C to 21°C and 3°C to 05°C, respectively. The minimum temperatures will below normal (-1.6°C to -3.0°C) and the maximum temperatures will near normal over Delhi. The predominant surface wind is likely to be from the west direction reaching up to 10 kmph during the morning hours. The wind speed will increase becoming less than 16 kmph from the northwest direction in the afternoon. The wind will decrease becoming less than 08 kmph from northwest direction during the evening and night.

ANNEXURE IV





Minimum temperatures reported over the plains of India at 0830 hrs IST of today, 11.01.2026

STATION	STATE	MINIMUM TEMPERATURES
≤2°C		
PILANI	RAJASTHAN	1.2
SIKAR	RAJASTHAN	1.7
PANTNAGAR	UTTARAKHAND	1.8
SIRSA	HARYANA	1.8
CHURU	RAJASTHAN	2.0
2-4°C		
HISSAR	HARYANA	2.2
BIKANER	RAJASTHAN	2.8
AYANAGAR	DELHI	2.9
PALAM	DELHI	3.0
JAISALMER	RAJASTHAN	3.1
AMRITSAR	PUNJAB	3.2
GANGANAGAR	RAJASTHAN	3.6
RIDGE	DELHI	3.7
PATIALA	PUNJAB	3.8
NALIYA	GUJARAT	3.8
ROHTAK	HARYANA	4
ALWAR	RAJASTHAN	4
SABAUR	BIHAR	4

Impact expected due to dense/very dense fog in the morning hours: very likely to prevail in morning hours in isolated pockets over Uttar Pradesh till 13th and Bihar till 12th January.

❖ **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 in many/some pockets of Rajasthan on 12th & 13th; Himachal Pradesh till 13th; Uttarakhand on 12th; Punjab, Haryana Chandigarh & Delhi on 12th-13th; West Uttar Pradesh on 13th January.

- ❖ 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:** likely to prevail in isolated parts over Rajasthan on 11th; Bihar during 11th -16th January.

- 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 Cold Waves/ Ground Frost/ Low Temperatures

- In **Himachal Pradesh, Uttarakhand, Punjab, Haryana, West Uttar Pradesh, Rajasthan** and **Kachchh**, 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.

Legends & abbreviations:

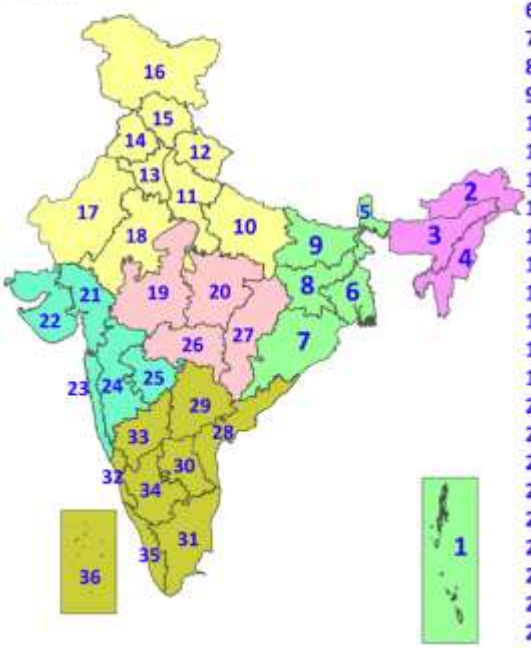
- **Heavy Rain:**64.5-115.5mm; **Very Heavy Rain:**115.6-204.4mm; **Extremely Heavy Rain:** >204.4mm.
- **Obsy:** Observatory; Automatic Weather Station; **ARG:** Automatic Rain Gauge; **dist:** District: **NH:** National Highway; **KVK**: Krishi Vigyan Kendra; **DVC:** Damodar Valley Corporation; **PTO**: 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.

राष्ट्रीय मौसम पूर्वानुमान केन्द्र
भारत मौसम विज्ञान विभाग
पृथ्वी विज्ञान मंत्रालय

National Weather Forecasting Centre
India Meteorological Department
Ministry of Earth Sciences

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 Rain
Very Heavy Rain
Extremely Heavy Rain
Thunder & Lightning
Hailstorm
Dust Raising Winds

Heavy Snow
Dust Storm
Heat Wave
Warm Night
Hot Day
Hot & Humid
Strong Surface Winds

Cold Wave
Cold Day
Ground Frost

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 *
Heat Wave	**When maximum temperature of a station reaches ≥40° C for plains and ≥30° 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 ≥6.5° C **(b). Based on Actual maximum temperature** **Heat Wave:** When actual maximum temperature ≥45°C. **Severe Heat Wave:** When actual maximum temperature ≥47°C **(c). Criteria for heat wave for coastal stations** When maximum temperature departure is >4.5°C from normal. Heat Wave may be described provided maximum temperature ≥37°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 °C.
Cold Wave	**When minimum temperature of a station ≤10°C for plains and ≤0°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 ≤ -6.5 °C **(b) Based on actual Minimum Temperature (for Plains only)** **Cold Wave :** When Minimum Temperature is ≤ 4.0 °C **Severe Cold Wave:** When Minimum Temperature is ≤ 2.0 °C **(c) For Coastal Stations** When Minimum Temperature departure is ≤-4.5 °C & actual Minimum Temperature is ≤ 15 °C
Cold Day	**When minimum temperature of a station ≤10°C for plains and ≤0°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 ≤ -6.5 °C
Fog	**Phenomenon of small droplets suspended in air and the horizontal visibility < 1km** **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 ≤4°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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