Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release
Date:17th January 2026
Time of Issue: 1300 hours IST

Subject: (i) Cold wave conditions are not likely over northwest India during next one week.
(ii) Current Western disturbance (WD) will continue to affect Western Himalayan region till 18th. Thereafter, two WDs in quick succession are likely to affect Northwest India from 19th & 21st January, 2026 respectively.
(iii) Dense fog conditions very likely to continue over northwest India and Bihar during next 4-5 days.

Realised weather during past 24 hours ending at 0830 hours IST of today, the 17th January, 2026:

- **Dense to very Dense fog (visibility <50 m) conditions** prevailed in most parts of Punjab; in many parts of Uttar Pradesh; in some parts of Haryana and **dense fog (visibility 50-199 m)** conditions prevailed in isolated pockets of Jammu & Kashmir, Uttarakhand.

- **Visibility reported (in meters ≤200 m): Uttarakhand:** Kashipur (75); **Punjab:** Amritsar (0), Patiala (20), Bathinda (40), Faridkot (15), Gurdaspur (20)/Ludhiana (50); **Haryana:** Ambala (0), Hisar (40), Karnal (30); **Jammu-Kashmir:** Jammu(200), Srinagar (0); **West Uttar Pradesh:** Agra IAF, AMS Moradabad, AMS Aligarh, Sarsawa(IAF), Hindon(IAF) & Bareilly(IAF)(00) Each, Meerut(10), Bareilly(20), Aligarh(25), Agra Taj(30), Shahjahanpur(40), Etawah, Muzaffarnagar & Hamirpur(50), Moradabad & Najibabad(100); **East Uttar Pradesh:** Prayagraj IAF, Gorakhpur IAF, Fursatganj, Kanpur IAF, Azamgarh, Varanasi AP & Barabanki(00) Each, Prayagraj, Fatehpur, Kanpur City(10), Sultanpur, Bahraich, Ballia(20), Hardoi(30), Fatehgarh(40), Lucknow(50), Ayodhya(75),
- **Cold wave conditions** prevailed in isolated places over East Uttar Pradesh, Chhattisgarh, Jharkhand and Odisha.
- **Cold day conditions** prevailed in isolated places over West Uttar Pradesh.

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, Punjab, Haryana, Chandigarh, Delhi and north Rajasthan some places over Uttar Pradesh, Uttarakhand and isolated places over Chhattisgarh; **5°-10°C** at many places over Madhya Pradesh; at a few places over Odisha, Bihar, Gangetic West Bengal, Assam & Meghalaya, Saurashtra & Kutch; at isolated places over Jharkhand, Manipur, Sub-Himalayan West Bengal & Sikkim and Chhattisgarh.
- Minimum Temperatures were below normal (-3°C to -6°C) over Haryana, Chandigarh & Delhi, Rajasthan, Uttar Pradesh, Chhattisgarh, Odisha, Saurashtra & Kutch, Jharkhand & Bihar and near normal over rest parts of the country. (**refer to ANNEXURE IV**)
- The **lowest minimum temperature** of 3.0°C was observed at Narnaul **(Haryana)** over the plains of India.

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

- Conditions are becoming favourable for cessation of **Northeast monsoon** rains over Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and adjoining areas of Coastal Andhra Pradesh & Yanam, Rayalaseema and South Interior Karnataka during next 48 hours.
- The **upper air cyclonic circulation** over Southeast Arabian Sea adjoining Lakshadweep and Kerala coast now lies over Comorin Area in lower tropospheric level.

- The **Western Disturbance** as a cyclonic circulation over northeast Iran & neighbourhood now lies over Afghanistan and adjoining Pakistan & neighbourhood in lower tropospheric level with the trough aloft in middle and upper tropospheric westerlies with its axis in middle tropospheric level now runs roughly along Long. 60°E to the north of Lat. 25°N.
- An **induced cyclonic circulation** lies over southwest Rajasthan & adjoining south Pakistan in lower tropospheric level.
- **Subtropical westerly Jet Stream** with core winds of the order of 145 knots at 12.6 km above mean sea level prevails over Northeast India.
- Two **Western disturbance** in quick succession is likely to affect Northwest India from 19th & 21st January, 2026 night respectively.

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

- Light/moderate isolated to scattered to rainfall/snowfall likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh during 17th -22nd; and fairly widespread to widespread rainfall/snowfall with **isolated heavy falls on 23rd** over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh.
- Light/moderate isolated to scattered to rainfall/snowfall also likely over Uttarakhand on 17th & 18th and scattered/ fairly widespread during 21st -23rd
- Light/moderate isolated to scattered to rainfall over Punjab, Haryana & Chandigarh and West Uttar Pradesh on 22nd & 23rd and over East Uttar Pradesh and north Rajasthan on 23rd January.

Forecast of minimum temperatures:

- Gradual rise in minimum temperatures by about 2°C likely over northwest & central India during next 2 days, no significant change for next 3 days and rise by 3-5°C during subsequent 2 days.
- No significant change in minimum temperatures likely over East India during next 24 hours; gradual rise by 2-3°C during next 4 days and no significant change for subsequent 2 days.
- No significant change in minimum temperatures likely 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/night hours in isolated/some parts over Punjab, Haryana & Chandigarh till 18th and **Dense fog** in isolated pockets of Punjab, Haryana & Chandigarh till 22nd January 2026.
- **Dense to very dense fog** conditions very likely to prevail in morning/night hours in isolated/some parts over Uttar Pradesh till 19th and **Dense fog** in isolated pockets Uttar Pradesh till 20th January 2026.
- **Dense fog** conditions also likely during morning/night hours in isolated/some pockets over Jammu division and Uttarakhand till 19th; Sub-Himalayan West Bengal & Sikkim till 23rd; Gangetic West Bengal till19th; Bihar till 21st and Assam & Meghalaya till 18th January.
- **Cold day** conditions likely in isolated places over West Uttar Pradesh on 17th; East Uttar Pradesh on 17th & 18th January.
- **Cold wave conditions** very likely in some/many parts of in isolated pockets East Madhya Pradesh, Chhattisgarh and Odisha on 17th & 18th January.

Weather conditions and forecast over Delhi/NCR during 17th -20th 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

Fisherman Warning:

Fishermen are advised not to venture into the following areas during 17th January to 22nd January, 2026:

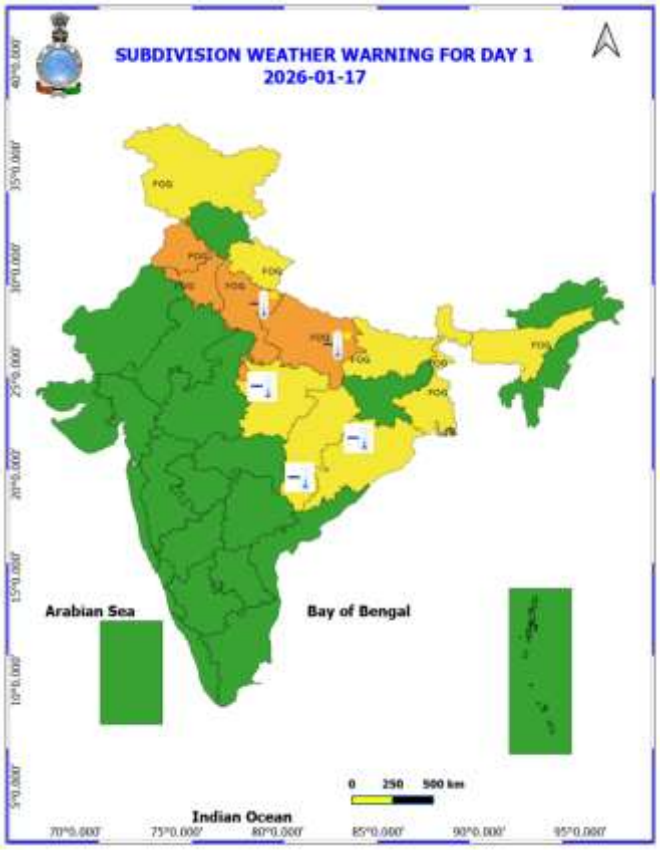
- **Bay of Bengal:** No Warning.
- **Arabian Sea:** Over Gulf of Mannar and some parts of Comorin area on 17th January, 2026.

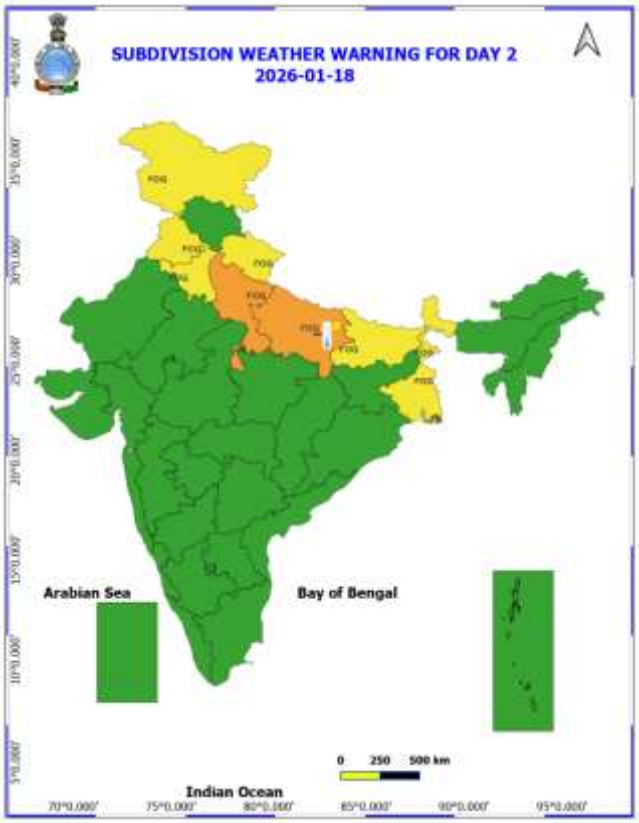
ANNEXURE I

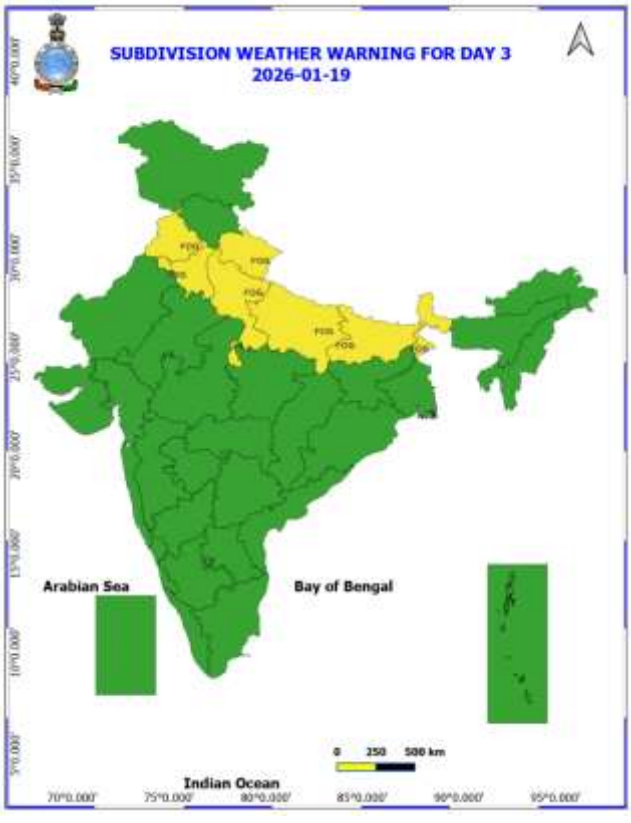
Table-1 7 Days Rainfall Forecast								
S.No.	Subdivision	17- Jan	18- Jan	19- Jan	20- Jan	21- Jan	22- Jan	23- Jan
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	DRY	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
2	ARUNACHAL PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
3	ASSAM & MEHGHALAYA	DRY	DRY	DRY	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	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	SCT	DRY	DRY	DRY	DRY
10	EAST UTTAR PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	ISOL
11	WEST UTTAR PRADESH	DRY	DRY	DRY	DRY	DRY	ISOL	SCT
12	UTTARAKHAND	ISOL	ISOL	DRY	DRY	ISOL	SCT	FWS
13	HARYANA, CHANDIGARH & DELHI	DRY	DRY	DRY	DRY	DRY	SCT	SCT
14	PUNJAB	DRY	DRY	DRY	DRY	DRY	SCT	SCT
15	HIMACHAL PRADESH	ISOL	ISOL	ISOL	ISOL	ISOL	SCT	WS
16	JAMMU AND KASHMIR AND LADAKH	ISOL	ISOL	SCT	SCT	ISOL	FWS	WS
17	WEST RAJASTHAN	DRY	DRY	DRY	DRY	DRY	DRY	ISOL
18	EAST RAJASTHAN	DRY	DRY	DRY	DRY	DRY	DRY	ISOL
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	DRY	DRY	DRY	DRY	DRY	DRY
24	MADHYA MAHARASHTRA	DRY	DRY	DRY	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	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	DRY	DRY	DRY	DRY	DRY	DRY	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	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
36	LAKSHADWEEP	DRY	DRY	DRY	DRY	DRY	DRY	DRY

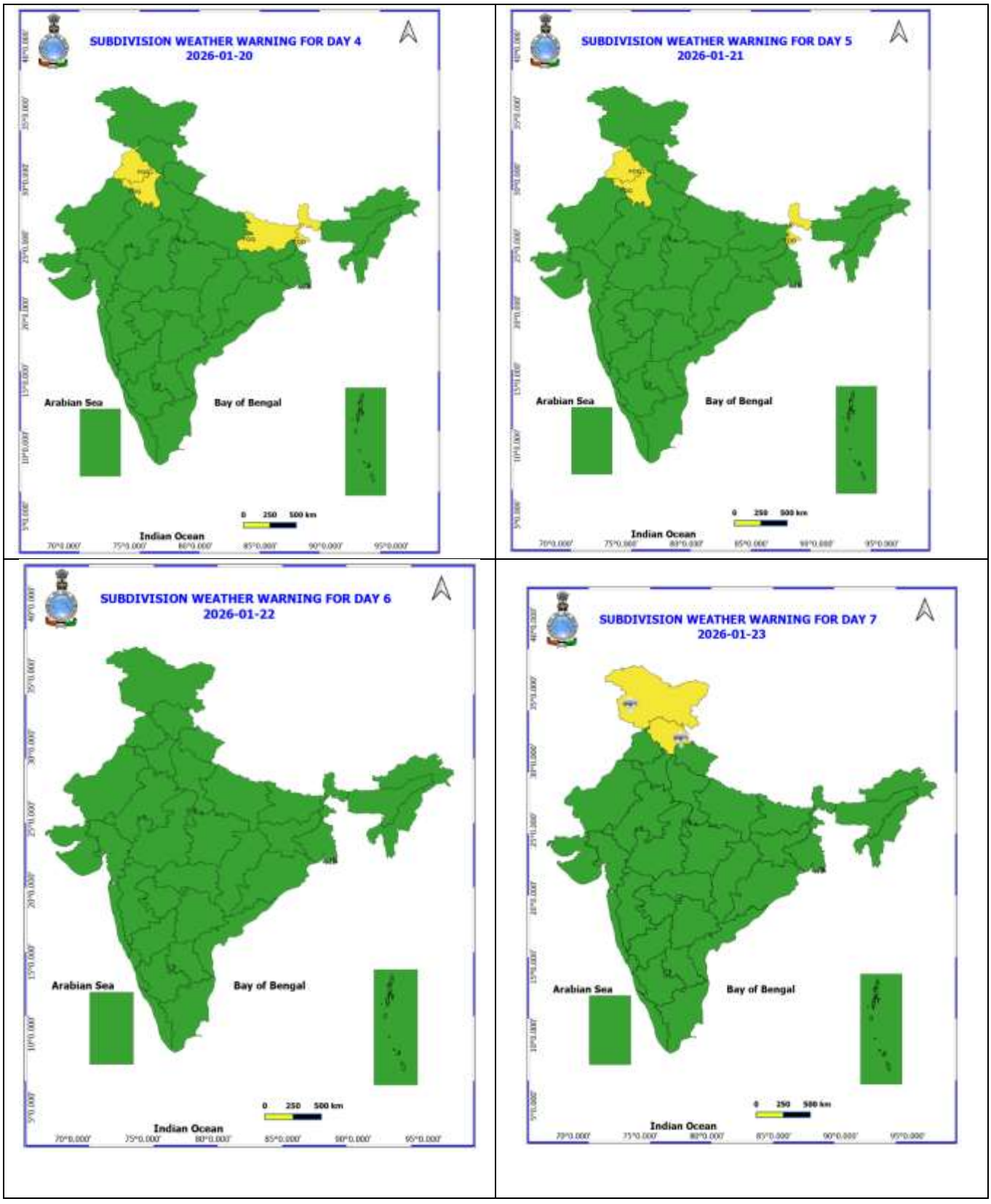
- **As the lead period increases forecast accuracy decrease.**

ANNEXURE II


SUBDIVISION WEATHER WARNING FOR DAY 1
2026-01-17
FOG
Arabian Sea
Bay of Bengal
0 250 500 km
Indian Ocean


SUBDIVISION WEATHER WARNING FOR DAY 2
2026-01-18
FOG
Arabian Sea
Bay of Bengal
0 250 500 km
Indian Ocean


SUBDIVISION WEATHER WARNING FOR DAY 3
2026-01-19
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 17th to 20th January 2026

Past Weather:

There has been no large change in minimum temperature and rise in maximum temperatures up to 2 - 3°C during the past 24 hours over Delhi. The maximum and minimum temperatures over Delhi were around 19°C to 22°C and 04°C to 06°C respectively. The minimum temperatures are appreciably below normal (-3.1 to -5.0) at many places and below normal (-1.6 to -3.0°C) at isolated places over Delhi. The maximum temperatures were above normal (1.6 to 3.0°C) at many places and normal (-1.5°C to 1.5°C) over remaining parts of Delhi. Safdarjung reported lowest visibility 200m from 0900 IST to 0930 IST, which thereafter improved to 300m at 1000 IST of today, 17.01.2026. Palam reported lowest visibility 350m from 0630 IST to 0730 IST, which thereafter improved to 400m at 0800 IST of today, 17.01.2026. Mainly clear sky with moderate fog, predominant surface wind from the northwest direction with a wind speed up to 12kmph prevailed during the past 24 hours. Partly cloudy sky with wind speed reaching up to 08 kmph from the east direction prevailed over the region in the forenoon today.

Weather Forecast:

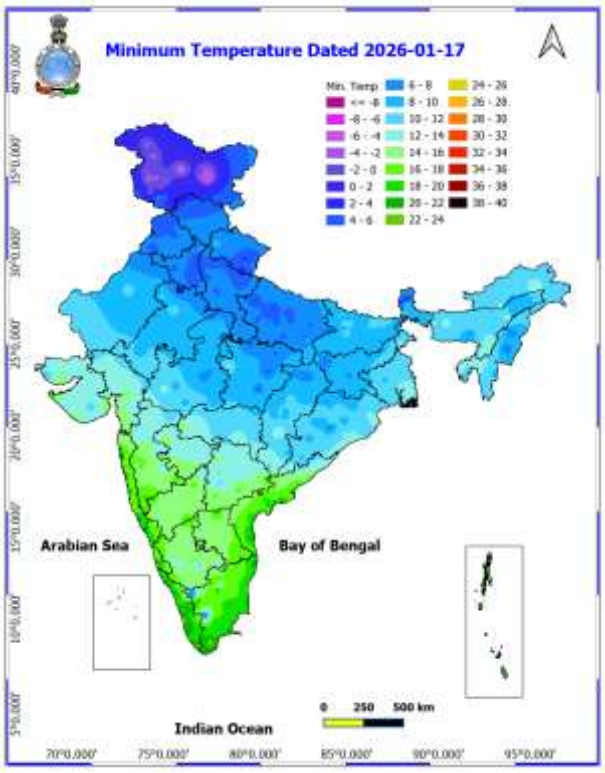
17.01.2026: Partly cloudy sky. Mist/haze during night. The maximum temperatures are likely to be in the range of 20°C to 22°C. Maximum temperatures will be above normal (1.6°C to 3.0°C) over Delhi. The predominant surface wind is likely to be from the southeast direction with wind speeds less than 10 kmph during the afternoon hours. The wind speed will decrease becoming up to 05 kmph from the east direction during the evening and night.

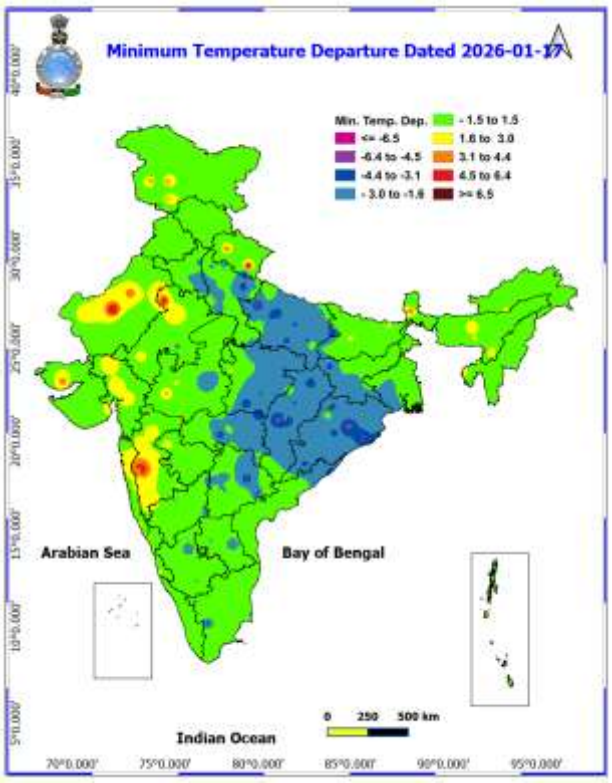
18.01.2026: Partly cloudy sky. Moderate fog at many places with dense fog at isolated places during morning hours. The maximum and minimum temperatures in Delhi are likely to be in the ranges of 21°C to 23°C and 04°C to 06°C respectively. The minimum temperature will be below normal (-1.6 to -3.0°C) 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 east direction with wind speeds less than 08kmph during the morning hours. The wind speed will increase becoming up to 10kmph from the southeast direction in the afternoon hours. The wind speed will decrease becoming up to 05kmph from the east direction during evening and night.

19.01.2025: 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 21°C to 23°C and 06°C to 08°C respectively. The minimum temperatures will be near normal 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 calm during 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 05kmph from southeast direction during the evening and night.

20.01.2026: 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 21°C to 23°C and 06°C to 08°C respectively. The minimum temperatures will be near normal 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 calm during morning hours. The wind speed will increase becoming up to 08 kmph from the north direction in the afternoon. The wind speed will decrease becoming up to 05 kmph from north direction during the evening and night.

ANNEXURE IV





Reported minimum temperature (≤5°C) at 0830 hrs IST of the 17th January 2026.

Station	State	Temperature (°C)
NARNAUL	HARYANA	3.0
AMRITSAR	PUNJAB	4.4
MUZAFFAR NAGAR	UTTAR PRADESH	4.4
SAFDARJUNG	DELHI	4.4
LUCKNOW_AMAUSI	UTTAR PRADESH	4.4
NAJIBABAD	UTTAR PRADESH	4.5
AMBIKAPUR	CHHATTISGARH	4.7
UMARIA	MADHYA PRADESH	4.8
KARNAL	HARYANA	4.9
KANPUR	UTTAR PRADESH	4.8
PRAYAGRAJ	UTTAR PRADESH	4.6

Impact expected due to dense/very dense fog in the morning hours: Dense fog conditions very likely to continue over northwest India and Bihar during next 4-5 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/ Severe Cold wave conditions:

Cold wave conditions very likely to continue over East Madhya Pradesh, Chhattisgarh and Odisha during next 24 hours 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/severe cold day conditions: Cold day conditions very likely in some pockets of Uttar Pradesh 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 Cold Waves/ Ground Frost/ Low Temperatures

- ➢ In **Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Odisha, East Madhya Pradesh** and **Chhattisgarh,** 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:

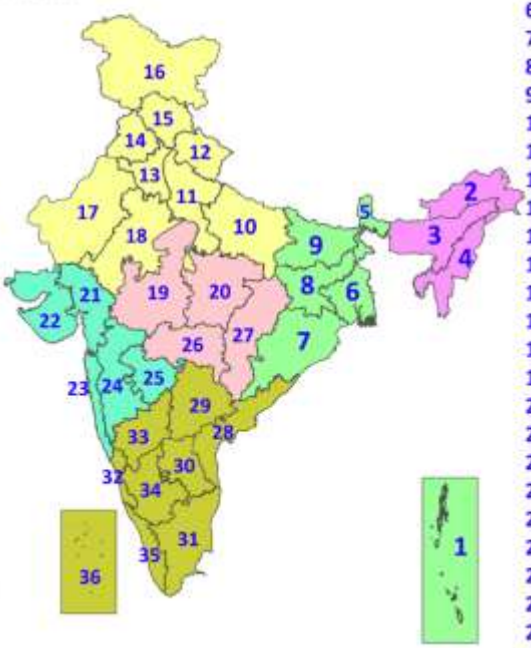
- ❖ **Heavy Rain:**64.5-115.5mm; **Very Heavy Rain:**115.6-204.4mm; **Extremely Heavy Rain:** >204.4mm.
- ❖ **Obsy:** Observatory; Automatic Weather Station; **ARG:** Automatic Rain Gauge; **dist:** District: **NH:** National Highway; **KVK**: Krishi Vigyan Kendra; **DVC:** Damodar Valley Corporation;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

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)

राष्ट्रीय मौसम पूर्वानुमान केन्द्र
भारत मौसम विज्ञान विभाग
पृथ्वी विज्ञान मंत्रालय

National Weather Forecasting Centre
India Meteorological Department
Ministry of Earth Sciences

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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