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Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release
Date:28th December, 2025
Time of Issue: 1400 hours IST

Subject: (i) Dense to very dense fog conditions very likely to continue during night/morning hours over Himachal Pradesh, Punjab, Haryana-Chandigarh, West Uttar Pradesh till 31st December and East Uttar Pradesh till 1st Jan with reduction thereafter. Dense fog conditions also likely during night/morning hours at isolated pockets over East Madhya Pradesh, Arunachal Pradesh till 29th; Sub-Himalayan West Bengal and Bihar, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Odisha till 01st January.
(ii) Cold day conditions very likely at isolated pockets over Uttar Pradesh and Uttarakhand on 28th & 29th December and Bihar on 28th Dec.
(iii) Cold wave conditions very likely in isolated pockets of Punjab, Haryana, Madhya Pradesh during 28th-29th and Jharkhand on 28th December.
(iv) A Western Disturbance is likely to impact Western Himalayan Region from 30th December and adjoining Plains from 31st December.

Realised weather during past 24 hours ending at 0830 hours IST of today, the 28th December, 2025:

- **Dense to very Dense fog (visibility <50 m)** prevailed in some/many parts of Punjab and Uttar Pradesh; in isolated pockets of Jammu division, West Madhya Pradesh and Assam; **dense fog (visibility 50-199 m):** reported in isolated pockets of Himachal Pradesh, Uttarakhand, Haryana, Chandigarh, Delhi, Odisha, Sub-Himalayan West Bengal, Manipur & Tripura and Bihar.
- **Visibility in meter reported (≤200 m): Assam & Meghalaya:** Tezpur 20, Dibrugarh 50, Guwahati150, Dhubri 150; **Nagaland, Manipur, Mizoram & Tripura:** Agartala 100; **Sub-Himalayan West Bengal & Sikkim:** Cooch Behar, Malda 100; **Odisha:** Rourkela 70; **Bihar:** Gaya 50; **Jammu Division:** Jammu IAF 0; **Himachal Pradesh:** Bilaspur 50, Sundernagar 70; **Uttarakhand:** Roshanabad 75; **Punjab:** Amritsar, Adampur, Pathankot 0each, Ludhiana10, Patiala 20; **Haryana-Chandigarh :** Ambala 50, Chandigarh 400; **West Uttar Pradesh**: Agra IAF & Saharanpur IAF 00 Each, Meerut 15, Hamirpur 20, Agra Taj &Etawah 25 Each, Aligarh & Muzaffarnagar 30 Each, Najibabad 80; **East Uttar Pradesh:** Prayagraj-IAF & Kanpur-IAF 0 each, Prayagraj & Fatehpur 10 each, Kanpur City 30, Banda 50, Hardoi 60, Fatehgarh 70, Lucknow 150; **West Madhya Pradesh:** Gwalior 0; **Delhi:** Safdarjung 100m.
- **Cold day to severe cold day conditions** observed at isolated places over Uttar Pradesh; **cold day conditions** in isolated pockets of Uttarakhand and Bihar.
- **Cold wave conditions** observed at isolated places over Himachal Pradesh, Punjab, Haryana, Chhattisgarh and Jharkhand and Madhya Pradesh.

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

- A Western Disturbance lies as a trough in middle tropospheric westerlies with its axis at 5.8 km above mean sea level and runs roughly along Long. 60°E to the north of Lat. 30°N.
- Subtropical westerly Jet Stream with core winds of the order of 115 knots at 12.6 km above mean sea level continues to prevail over Northeast India.
- A fresh Western Disturbance is likely to affect western Himalayan region from 30th December and adjoining Plains from 31st December, 2025.
- A trough in easterlies lies south of 10°N along 92°E over the southeast Bay of Bengal at 1.5 km above mean sea level.

Under the influence of these systems, the following weather is likely:

- Scattered to fairly widespread light/moderate rainfall/snowfall very likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 30th December-02nd January and Isolated to scattered light/moderate rainfall/snowfall over Himachal Pradesh and Uttarakhand during 30th December-02nd January. **Isolated**

light/moderate rainfall/snowfall very likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 28th and 29th Dec.

- **Isolated** light to moderate rainfall likely over Punjab, Haryana-Chandigarh, west Uttar Pradesh and Rajasthan 31st Dec to 01st Jan.
- **Isolated Thunderstorm and lightning** with gusty wind speed (30-40kmph) likely to prevail over Andaman & Nicobar Islands during 28th -31st December and 1st Jan. Isolated heavy rainfall likely over the state on 28th Dec.

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

- Minimum temperatures were below 5°C at many places over Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad; at a few places over Himachal Pradesh, North Punjab; in the range of 5°-10°C at many places over South Punjab, Haryana, Chandigarh & Delhi, Uttarakhand, west Uttar Pradesh, North Rajasthan, Madhya Pradesh; North Vidarbha, North Chhattisgarh.
- Minimum Temperatures departures were below normal appreciably below normal (-5.0°C to -3.1°C) at a few places over central parts of Madhya Pradesh, Vidarbha, at isolated places over East Rajasthan, Haryana, Telangana and Interior Karnataka. (**refer to ANNEXURE IV**)
- The lowest minimum temperature of 2.5°C was observed over Hisar (Haryana) over the plains of India.

Forecast of minimum temperatures:

- No significant change in minimum temperature very likely over Northwest India for next 24-hours and gradual rise by 2-4°C during subsequent 3 days and fall by about 2°C thereafter.
- No significant change in minimum temperature very likely over Central & East India for next 24-hours and gradual rise by 2-3°C thereafter for subsequent 2-3 days.
- No significant change in minimum temperature likely over remaining parts of the country during next 7days.

Dense Fog, Cold wave & Cold day Warnings:

- Dense to very dense fog conditions very likely to continue during night/morning hours over Himachal Pradesh till 31st Dec; Punjab, Haryana-Chandigarh, west Uttar Pradesh till 31st December and east Uttar Pradesh till 1st Jan and reduction thereafter.
- Dense fog conditions also likely during night/morning hours at isolated pockets over East Madhya Pradesh, Arunachal Pradesh till 29th; Sub-Himalayan West Bengal and Bihar, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Odisha till 01st January.
- Cold day conditions very likely at isolated pockets over Uttar Pradesh and Uttarakhand on 28th & 29th December and Bihar on 28th Dec and Himachal Pradesh during 31 Dec to 1st Jan 2026.
- Cold wave conditions very likely in isolated pockets of Punjab, Haryana, Madhya Pradesh during 28th-29th and Jharkhand on 28th December.

Fisherman Warning:

Fishermen are advised not to venture into the following areas during 28th Dec

- **Bay of Bengal:** Over South Andaman Sea on 28th December.

Weather conditions and forecast over Delhi/NCR during 28th –31th December, 2025 (ANNEXURE III)

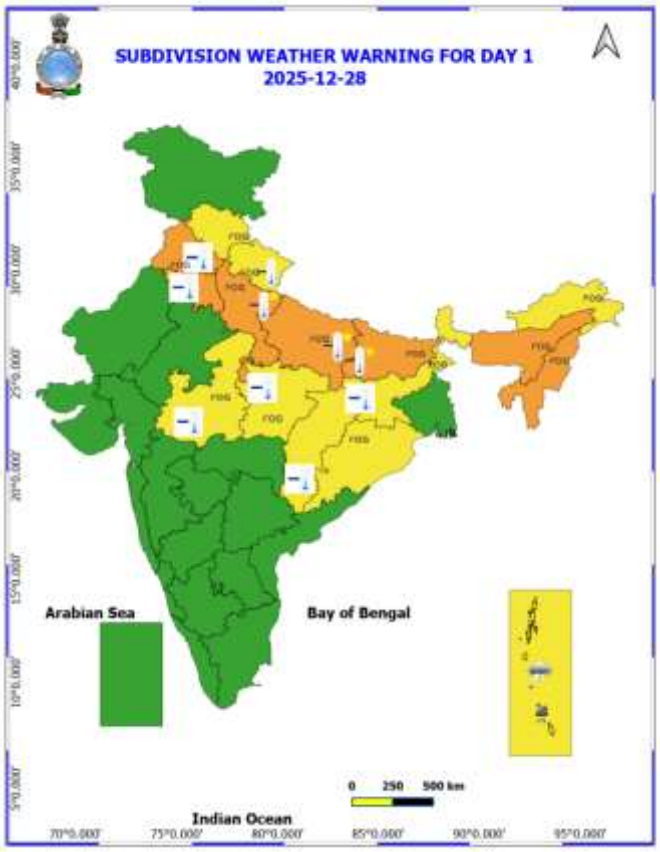
For more details, kindly refer National Weather Bulletin:
https://mausam.imd.gov.in/responsive/all_india_forcast_bulletin.php
For District wise warnings refer: https://mausam.imd.gov.in/responsive/districtWiseWarningGIS.php
For Fishermen warning refer https://rsmcnewdelhi.imd.gov.in/fishermen-warning.php

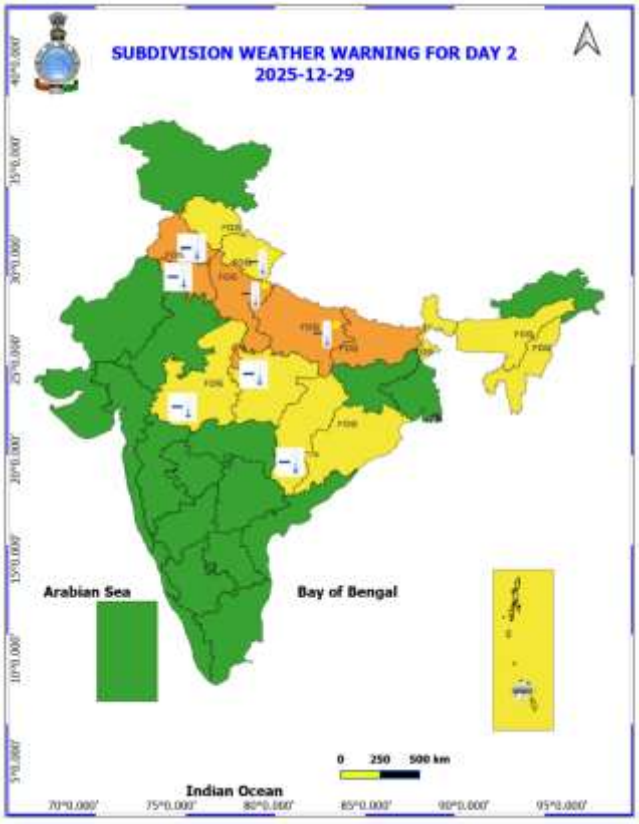
ANNEXURE I

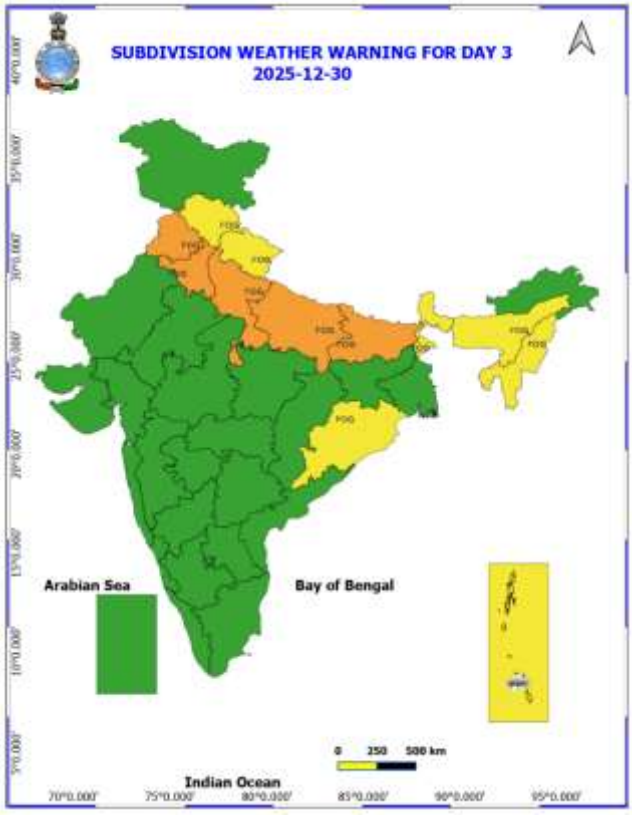
Table-1								
7 Days Rainfall Forecast								
S.No.	Subdivision	28- Dec	29- Dec	30- Dec	31- Dec	1- Jan	2- Jan	3- Jan
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	FWS	FWS	SCT	SCT	SCT	ISOL	ISOL
2	ARUNACHAL PRADESH	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
3	ASSAM & MEHGHALAYA	DRY	DRY	ISOL	DRY	DRY	DRY	DRY
4	NAGALAND, MANIPUR, MIZORAM AND TRIPURA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
5	SUB HIMALAYAN WEST BENGAL & SIKKIM	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
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	ISOL	ISOL	ISOL	ISOL	DRY
13	HARYANA, CHANDIGARH & DELHI	DRY	DRY	DRY	DRY	DRY	ISOL	DRY
14	PUNJAB	DRY	DRY	DRY	ISOL	ISOL	DRY	DRY
15	HIMACHAL PRADESH	DRY	DRY	SCT	FWS	SCT	ISOL	DRY
16	JAMMU AND KASHMIR AND LADAKH	ISOL	ISOL	SCT	FWS	FWS	SCT	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	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	ISOL	ISOL	SCT	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	ISOL	ISOL	SCT	SCT	SCT	SCT	SCT
36	LAKSHADWEEP	DRY	SCT	SCT	SCT	SCT	SCT	SCT

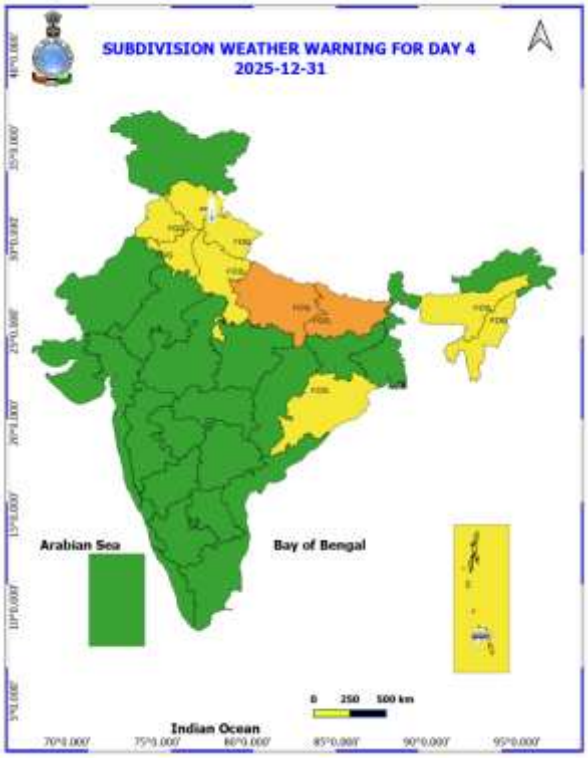
- **As the lead period increases forecast accuracy decrease.**

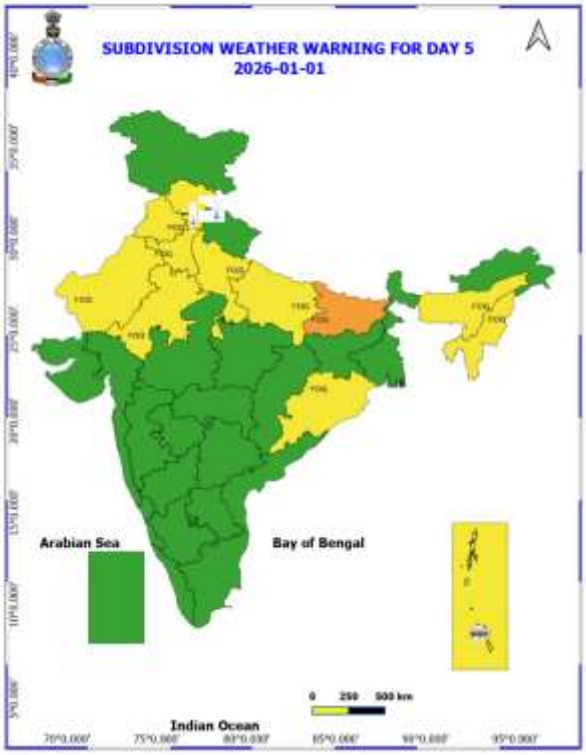
ANNEXURE II

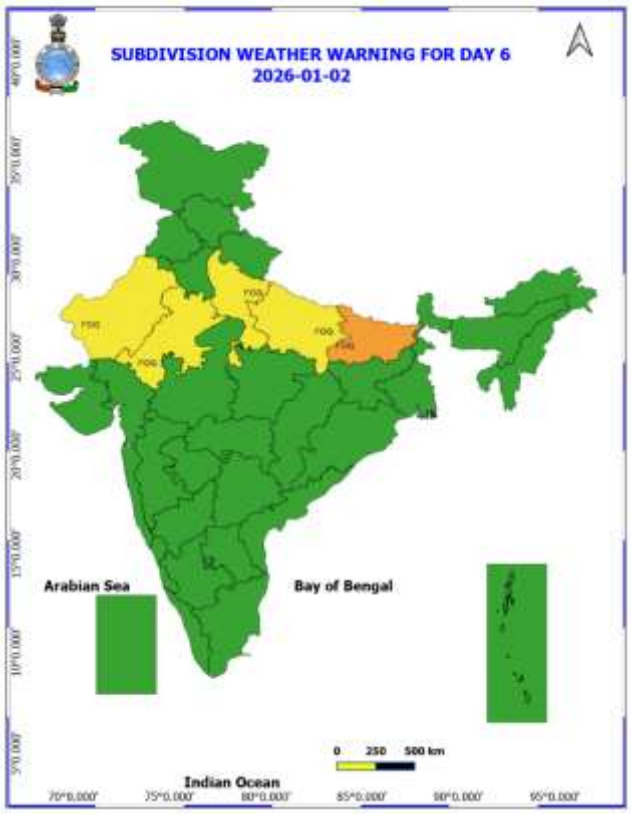

SUBDIVISION WEATHER WARNING FOR DAY 1
2025-12-28
Arabian Sea
Bay of Bengal
Indian Ocean
0 250 500 km

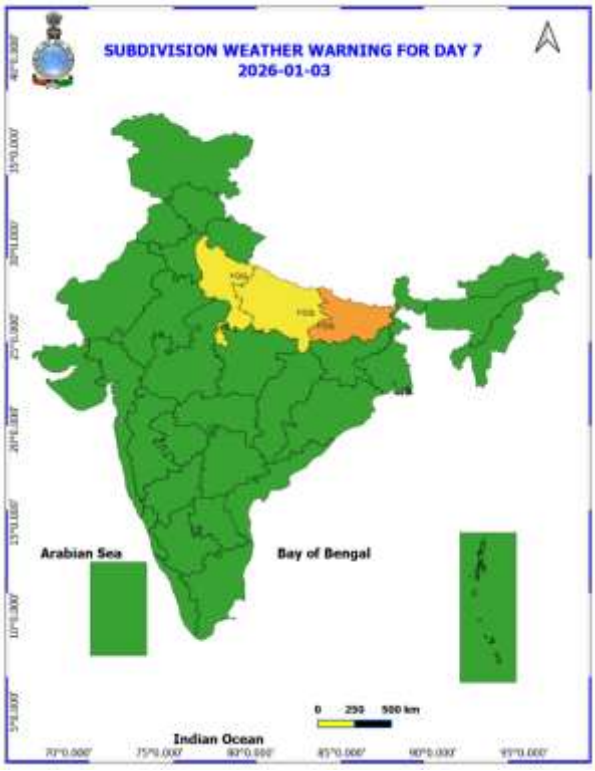

SUBDIVISION WEATHER WARNING FOR DAY 2
2025-12-29
Arabian Sea
Bay of Bengal
Indian Ocean
0 250 500 km


SUBDIVISION WEATHER WARNING FOR DAY 3
2025-12-30
Arabian Sea
Bay of Bengal
Indian Ocean
0 250 500 km









- **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 28th December to 31st December2025

Past Weather:

There has been a fall in minimum temperatures by 01°C and no change in maximum temperatures during the past 24 hours over Delhi. The maximum and minimum temperatures over Delhi were around 20°C to 22°C and 06°C to 09°C, respectively. The minimum temperatures are near normal (-1.5°C to 1.5°C). The maximum temperatures were above normal (1.6°C to 3.0°C) at many places, and near normal (-1.5°C to 1.5°C) at isolated places over Delhi. Safdarjung reported lowest visibility 100m from 0800 to 0830 IST, which thereafter improved to 200m at 0900 IST of today, 28.12.2025. Palam reported lowest visibility 500m in Shallow fog from 0430 to 0900 IST, which thereafter improved to 600m at 0930 IST of today, 28.12.2025. Partly cloudy sky conditions with predominant surface wind from the west-northwest direction with a wind speed up to 12 kmph prevailed during the past 24 hours. Mainly clear sky with moderate to dense fog and wind reaching up to 10 kmph from the southwest direction prevailed over the region in the forenoon today.

Weather Forecast:

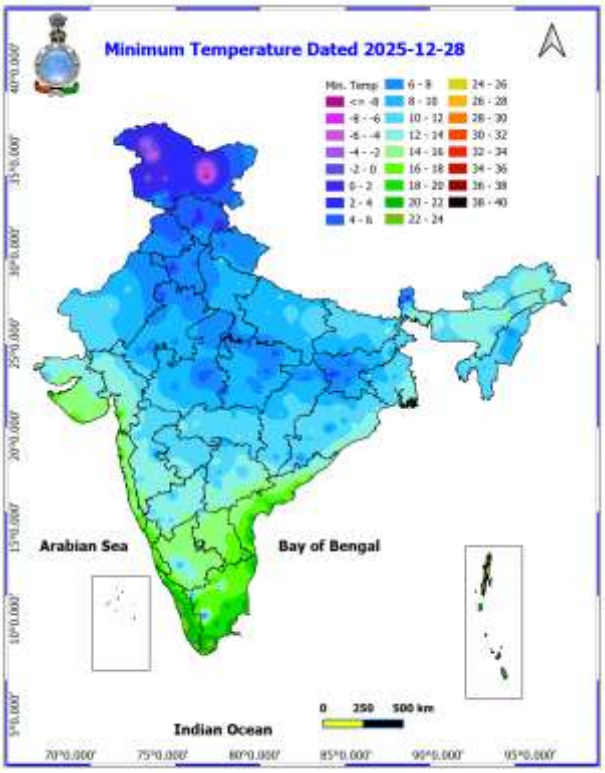
28.12.2025: Mainly clear sky. Mist/Haze during the night. The maximum temperatures are likely to be in the range of 21°C to 23°C maximum temperatures will be above normal (1.0°C to 3.0°C) over Delhi. The predominant surface wind is likely to be from the northwest direction with wind speeds less than 15 kmph during the afternoon hours. The wind speed will decrease, becoming less than 05 kmph from the north direction during the evening and night.

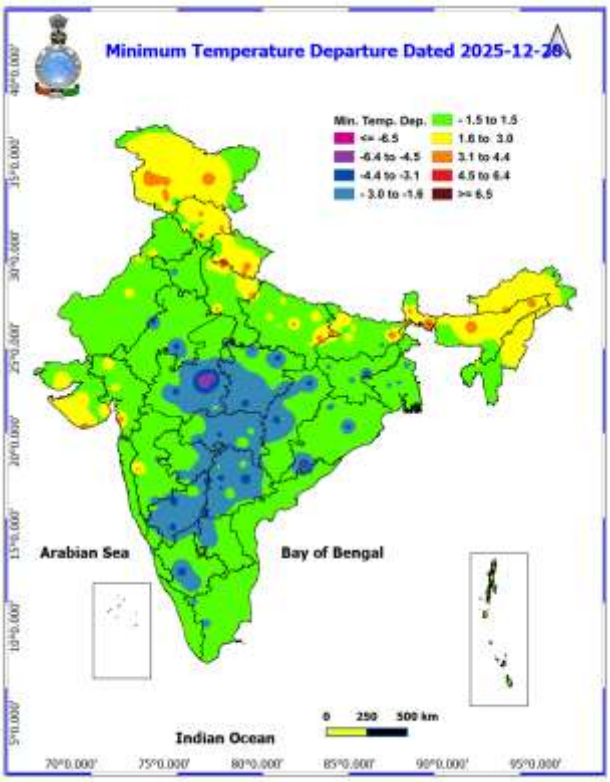
29.12.2025: Mainly clear sky. Dense fog at a few places, with very dense fog at isolated places during the morning hours. The maximum and minimum temperatures in Delhi are likely to be in the ranges of 21°C to 23°C and 7°C to 9°C, respectively. The minimum temperatures will be near normal (-0.5°C to -1.5°C), and the maximum temperatures will be above normal (1.0°C to 3.0°C) over Delhi. The predominant surface wind is likely to be from the west direction with wind speeds less than 15 kmph during the morning hours. The wind speed will remain the same from the northwest direction in the afternoon, evening, and night.

30.12.2025: Mainly clear sky. Moderate fog at a many places, with dense fog at isolated places during the morning hours. The maximum and minimum temperatures in Delhi are likely to be in the ranges of 22°C to 24°C and 7°C to 9°C, respectively. The minimum temperatures will be near normal (-0.5°C to -1.5°C), and the maximum temperatures will be above normal (2.5°C to 3.5°C) over Delhi. The predominant surface wind is likely to be from the northwest direction with wind speeds less than 15 kmph during the morning hours. The wind speed will remain the same from the northwest direction in the afternoon, and gradually decrease to 10 kmph during the evening/night.

31.12.2025: Partly Cloudy sky. Shallow fog at many places with moderate fog at isolated places during morning hours. The maximum and minimum temperatures in Delhi are likely to be in the ranges of 23°C to 25°C and 7°C to 9°C, respectively. The minimum temperatures will be near normal (-0.5°C to -1.5°C), and the maximum temperatures will be above normal (3.0°C to 4.0°C) over Delhi. The predominant surface wind is likely to be from the west-northwest direction with wind speeds less than 05 kmph during the morning hours. The wind speed will gradually increase to 10 kmph from the northwest direction in the afternoon, and gradually decrease to less than 05 kmph during the evening/night.

ANNEXURE IV





Impact expected due to dense/very dense fog in the night/morning hours:

- **Dense to very dense fog conditions** very likely to continue during night/morning hours over Himachal Pradesh till 31st Dec; Punjab, Haryana-Chandigarh, west Uttar Pradesh till 31st December and east Uttar Pradesh till 1st Jan and reduction thereafter.
- **Dense fog conditions** also likely during night/morning hours at isolated pockets over East Madhya Pradesh, Arunachal Pradesh till 29th; Sub-Himalayan West Bengal and Bihar, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Odisha till 01st 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** very likely in isolated pockets of Punjab, Haryana, Madhya Pradesh during 28th-29th and Jharkhand on 28th December.

  - 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 conditions very likely at isolated pockets over Uttar Pradesh and Uttarakhand on 28th & 29th December and Bihar on 28th Dec and Himachal Pradesh during 31 Dec to 1st Jan 2026.

  - 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 / Low Temperatures

- In **Punjab, Haryana, Madhya Pradesh, Chhattisgarh** and **Jharkhand,** apply light and frequent irrigation to the standing crops in the evening to protect the crops from low temperature stress. Use mulching and cover vegetable nurseries and young fruit plants with straw / polythene sheets to maintain optimum soil temperature.

Livestock / Poultry

- Keep cattle inside 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:

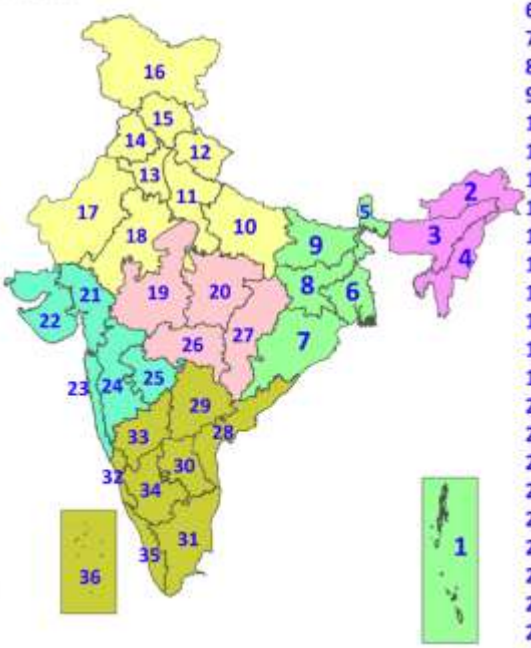
- **Heavy Rain:**64.5-115.5mm; **Very Heavy Rain:**115.6-204.4mm; **Extremely Heavy Rain:** >204.4mm.
- **Obsy:** Observatory; Automatic Weather Station; **ARG:** Automatic Rain Gauge; **dist:** District: **NH:** National Highway; **KVK**: Krishi Vigyan Kendra; **DVC:** Damodar Valley Corporation; **PTO**: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

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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