Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release
Date:21st January 2026
Time of Issue: 1330 hours IST

Subject: (i) Due to an intense Western disturbance, light to moderate rainfall/snowfall at most places with isolated heavy falls likely over Western Himalayan region and light to moderate rainfall at a few places on plains of northwest India on 22nd & 23rd January, 2026. Hailstorm, lightning & gusty winds at isolated places also likely over the region during same period.
(ii) Another intense Western Disturbance likely to affect northwest India from 26th to 28th January, 2026.

Realised weather during past 24 hours ending at 0830 hours IST of today, the 21st January, 2026:

- **Dense to Very Dense fog (visibility <200 m) conditions** prevailed in some parts of Punjab and Haryana.
- **Visibility reported (in meters ≤200 m): Punjab:** Bathinda IAF (00), Amritsar (50); Ludhiana (50); **Haryana:** Hisar (20), Bhiwani (10), Karnal (30), Narnaul (100).
- **Cold wave to severe cold wave conditions** prevailed in some parts of Himachal Pradesh and Punjab.
- **Ground frost conditions** have been observed in isolated pockets of Uttarakhand.

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

- **Minimum temperatures** were **1-4°C** at many places over Himachal Pradesh and Uttarakhand; at isolated places over Jammu-Kashmir-Ladakh; **5°-9°C** at a few places over Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh and East Rajasthan; at isolated places over West Rajasthan, Madhya Pradesh, Meghalaya, Nagaland and Mizoram. It is 10°C and above for remaining parts of the country, except higher reaches of Western Himalayan region where it was less than 0°C.
- **Minimum Temperatures** were above normal by (2°C to 5°C) over Jammu-Kashmir-Ladakh, Himachal Pradesh, West Rajasthan, Central India and adjoining western India, Haryana, East Uttar Pradesh, Bihar, Jharkhand, Gangetic West Bengal, Assam & Meghalaya and below normal at isolated pockets of (-2°C to -4°C) over Haryana, Odisha, Telangana, Rayalaseema, Coastal & South Interior Karnataka and Tamil Nadu and near normal over rest parts of the country. (**refer to ANNEXURE IV**)
- The **lowest minimum temperature** of 2.6 °C was observed at Adampur **(Punjab)** over the plains of India.

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

- A Western Disturbance as a cyclonic circulation over north Pakistan in lower tropospheric level with the trough aloft in middle tropospheric westerlies roughly along Long. 73°E to the north of Lat. 32 °N.
- Another Western disturbance as a cyclonic circulation over northeast Iran in lower & middle tropospheric levels.
- An upper air cyclonic circulation over northwest Uttar Pradesh & neighbourhood in lower tropospheric level.
- An upper air cyclonic circulation over northeast Assam & neighbourhood in lower tropospheric level.
- Subtropical westerly Jet Stream with core winds of the order of 120 knots at 12.6 km above mean sea level prevails over North India.
- An upper air cyclonic circulation over southeast Arabian sea and adjoining Lakshadweep in lower tropospheric level.
- A fresh western disturbance is likely to affect northwest India from 26th January 2026.

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

- Fairly widespread to widespread rainfall/snowfall over Jammu-Kashmir-Ladakh on 22nd & 23rd; Himachal Pradesh, Uttarakhand on 23rd January**.**

- Fairly widespread to widespread light to moderate rainfall over Punjab on 23rd January.
- Thunderstorm activity accompanied with **hailstorm, lightning & gusty winds (speed 50-60 kmph)** likely over Punjab on 22nd & 23rd; Haryana Chandigarh & Delhi on 23rd January; with **hailstorm, lightning & gusty winds (speed 40-50 kmph)** likely over Jammu-Kashmir-Ladakh, Punjab on 22nd & 23rd; Himachal Pradesh, Uttarakhand, West Uttar Pradesh, north Rajasthan on 23rd; with **lightning & gusty winds (speed 40-50 kmph)** likely over East Rajasthan, Haryana Chandigarh & Delhi on 22nd; with **lightning & gusty winds (speed 30-40 kmph)** likely over West Rajasthan on 22nd January.
- **Thunderstorm activity accompanied with lightning** likely over northeast Nicobar on 21st & 22nd; Tamil Nadu, Puducherry & Karaikal on 24th & 25th January.

Forecast of minimum temperatures:

- Gradual rise in minimum temperatures by 2-4°C likely over Northwest India during next 2 days; gradual fall by 2-4°C during subsequent 2 days and rise by 2-4°C thereafter.
- No significant change in minimum temperatures likely over many parts of Central India during next 2 days; gradual fall by 2-3°C during subsequent 2 days and rise by 2-4°C likely thereafter.
- Gradual rise by 2-4°C minimum temperatures likely over Maharashtra during next 2days and no significant change thereafter.
- No significant change in minimum temperatures likely over Gujarat during next 2days and gradual fall by 2-3°C during subsequent 2 days and gradual rise by 2-4°C thereafter.
- No significant change in minimum temperatures likely over rest parts of the country.

Dense Fog & Cold wave Warnings:

- **Dense fog** conditions also likely during morning/night hours in isolated pockets over Punjab, Haryana and Chandigarh till 22nd; Punjab, Haryana and Chandigarh, West Rajasthan during 24th- 26th January.

Fisherman Warning:

Fishermen are advised not to venture into the following areas during 21st January to 26th January, 2026:

- **Bay of Bengal:** No Warning.
- **Arabian Sea:** Over northwest Arabian Sea from 22nd to 24th January, along and off Oman coast on 23rd, January, some parts of southwest & adjoining westcentral Arabian Sea from 23rd to 24th January, along and off Somalia coast 22nd to 25th January 2026.

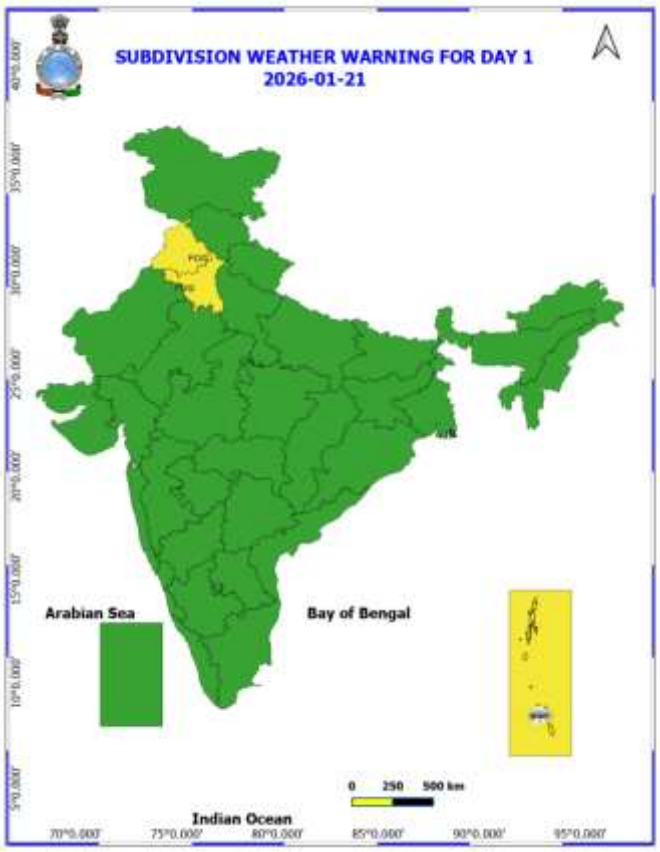
Weather conditions and forecast over Delhi/NCR during 21st -24th January, 2026 (ANNEXURE III) For more details, kindly refer National Weather Bulletin:
https://mausam.imd.gov.in/responsive/all_india_forcast_bulletin.php
For District wise warnings refer: https://mausam.imd.gov.in/responsive/districtWiseWarningGIS.php
For Fishermen warning refer https://rsmcnewdelhi.imd.gov.in/fishermen-warning.php

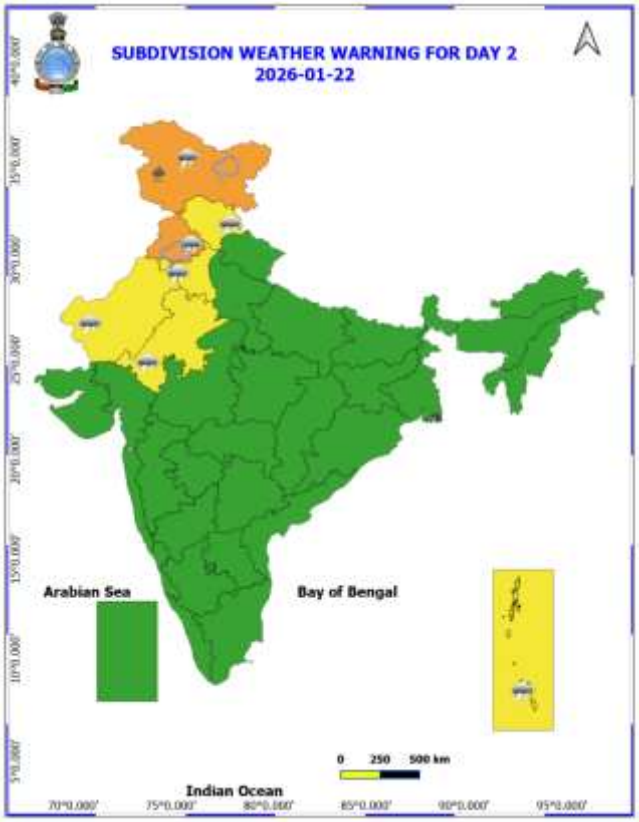
ANNEXURE I

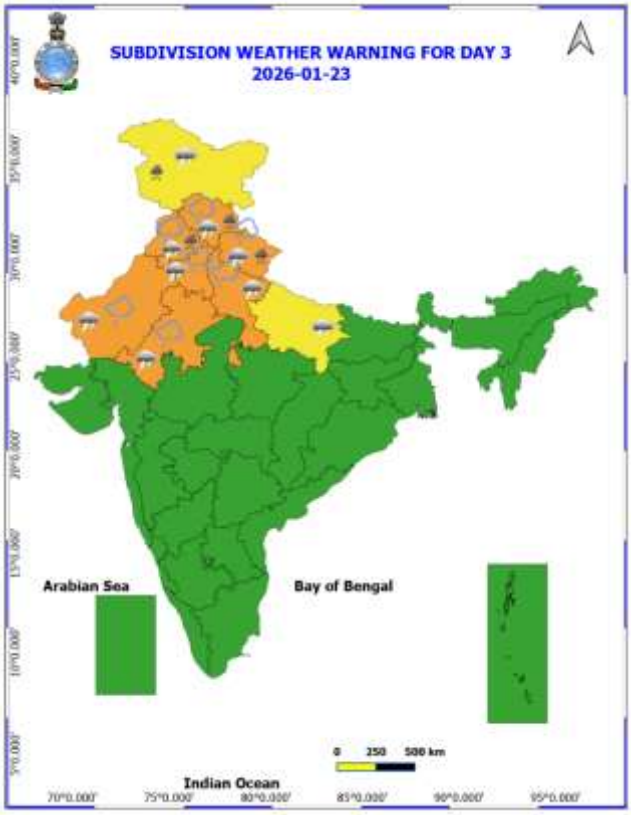
Table-1								
7 Days Rainfall Forecast								
S.No.	Subdivision	21- Jan	22- Jan	23- Jan	24- Jan	25- Jan	26- Jan	27- Jan
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	SCT	SCT	ISOL	ISOL	ISOL	ISOL	ISOL
2	ARUNACHAL PRADESH	ISOL	ISOL	DRY	ISOL	ISOL	ISOL	ISOL
3	ASSAM & MEHGHALAYA	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	ISOL	ISOL	ISOL	DRY	DRY
6	GANGETIC WEST BENGAL	DRY	DRY	DRY	DRY	DRY	DRY	DRY
7	ODISHA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
8	JHARKHAND	DRY	DRY	DRY	DRY	DRY	DRY	DRY
9	BIHAR	DRY	DRY	DRY	DRY	DRY	DRY	DRY
10	EAST UTTAR PRADESH	DRY	DRY	SCT	ISOL	DRY	DRY	ISOL
11	WEST UTTAR PRADESH	DRY	ISOL	FWS	DRY	DRY	ISOL	SCT
12	UTTARAKHAND	DRY	ISOL	[illegible]	ISOL	DRY	ISOL	SCT
13	HARYANA, CHANDIGARH & DELHI	DRY	SCT	FWS	ISOL	DRY	ISOL	SCT
14	PUNJAB	DRY	FWS	[illegible]	ISOL	DRY	SCT	SCT
15	HIMACHAL PRADESH	DRY	FWS	[illegible]	ISOL	DRY	FWS	FWS
16	JAMMU AND KASHMIR AND LADAKH	ISOL	[illegible]	[illegible]	SCT	ISOL	FWS	[illegible]
17	WEST RAJASTHAN	DRY	ISOL	ISOL	DRY	DRY	ISOL	ISOL
18	EAST RAJASTHAN	DRY	ISOL	ISOL	DRY	DRY	ISOL	ISOL
19	WEST MADHYA PRADESH	DRY	DRY	ISOL	ISOL	DRY	DRY	DRY
20	EAST MADHYA PRADESH	DRY	DRY	ISOL	ISOL	DRY	DRY	DRY
21	GUJRAT REGION	DRY	DRY	DRY	DRY	DRY	DRY	DRY
22	SAURASHTRA & KUTCH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
23	KONKAN & GOA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
24	MADHYA MAHARASHTRA	DRY	ISOL	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	ISOL	ISOL	SCT	SCT	ISOL
32	COSTAL KARNATAKA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
33	NORTH INTERIOR KARNATAKA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
34	SOUTH INTERIOR KARNATAKA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
35	KERALA AND MAHE	DRY	DRY	DRY	ISOL	ISOL	SCT	ISOL
36	LAKSHADWEEP	DRY	DRY	DRY	DRY	DRY	SCT	SCT

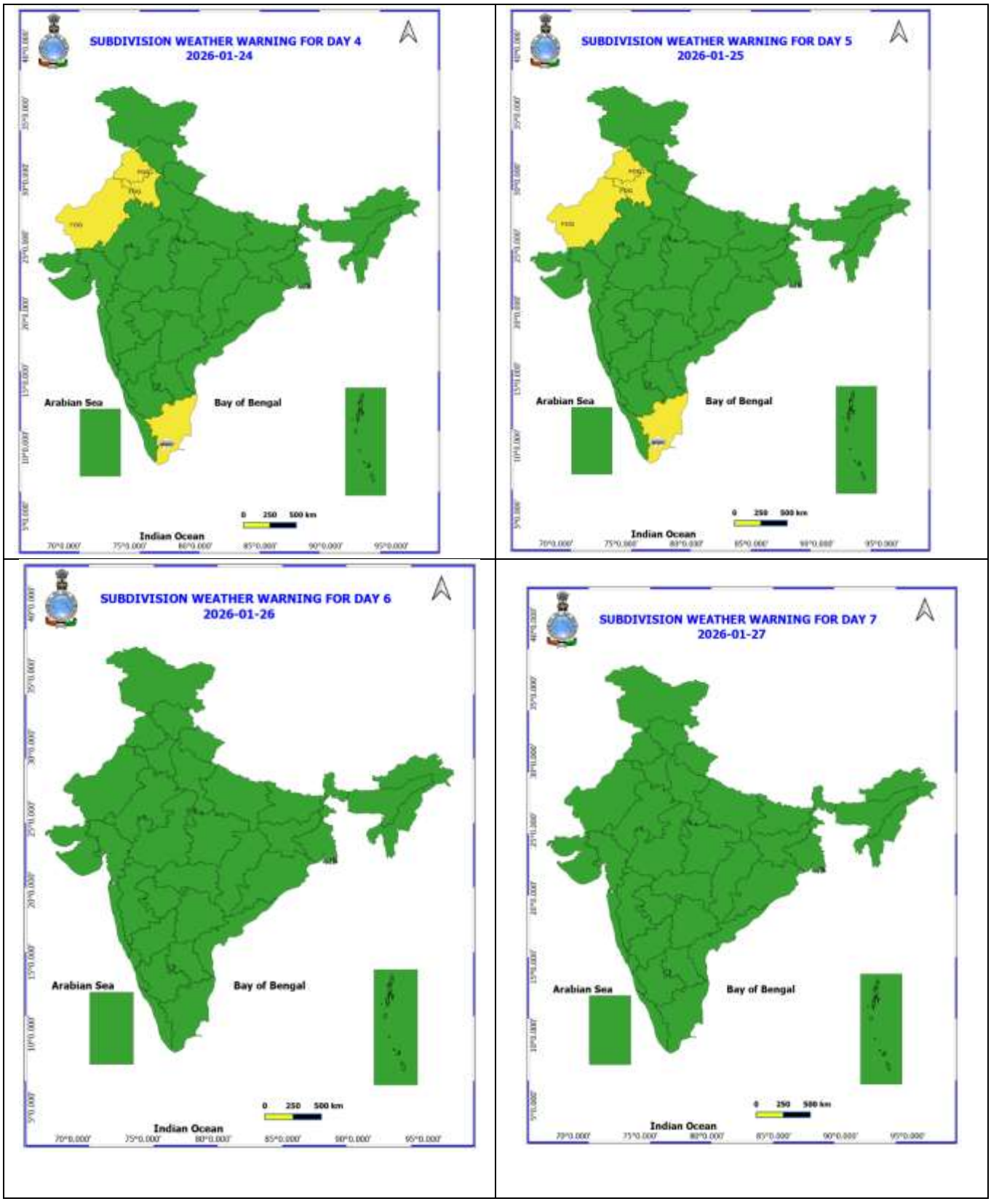
- **As the lead period increases forecast accuracy decrease.**

ANNEXURE II


SUBDIVISION WEATHER WARNING FOR DAY 1
2026-01-21
Arabian Sea
Bay of Bengal
Indian Ocean
0 250 500 km


SUBDIVISION WEATHER WARNING FOR DAY 2
2026-01-22
Arabian Sea
Bay of Bengal
Indian Ocean
0 250 500 km


SUBDIVISION WEATHER WARNING FOR DAY 3
2026-01-23
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 21st to 24th January 2026

Past Weather:

There has been slight rise in the minimum temperature upto 1°C and no large change in the maximum temperature during the past 24 hours over Delhi. The maximum temperatures over Delhi were around 23 to 26°C and the minimum temperatures are around 08-10°C respectively. The minimum temperatures are above normal (1.6 to 3.0) at isolated places and normal (-1.5 to 1.5°C) over remaining parts of Delhi. The maximum temperatures are markedly above normal (5.1 or more) at many places, and appreciably above normal (3.1 to 5.0) at a few places over Delhi. Safdarjung airport reported lowest visibility 300m from 0830 IST to 0900 IST which thereafter improved to 500m from 0930 IST onwards of today, 21-01-2026. Palam airport reported lowest visibility 600m from 0730 IST to 0800 IST which thereafter improved to 700m from 0830 IST onwards of today, 21-01-2026. Partly cloudy sky conditions with predominant surface wind from the northwest directions with a wind speed up to 12 kmph prevailed during the past 24 hours. Mainly clear sky conditions with wind speed reaching up to 10 kmph from the west direction prevailed over the region in the forenoon today.

Weather Forecast:

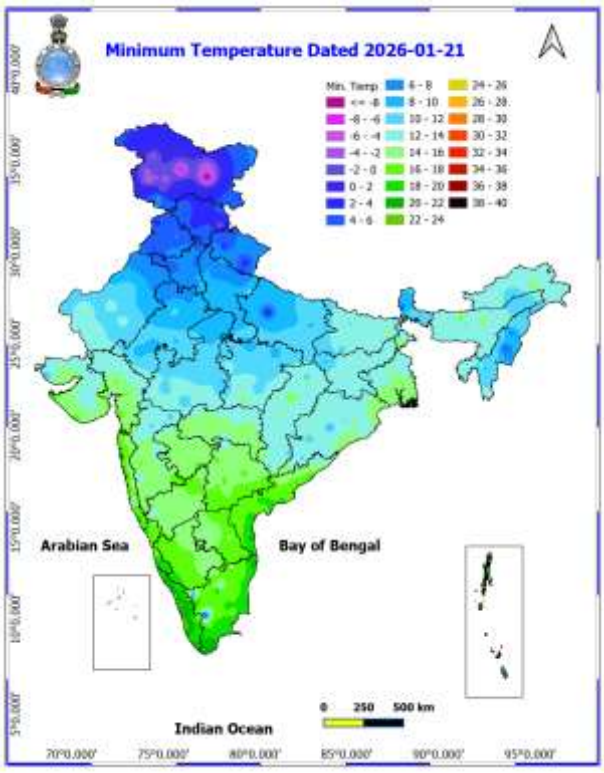
21.01.2026: Mainly clear sky. Mist during night. The maximum temperatures are likely to be in the range of 23°C to 25°C. The maximum temperatures will be appreciably above normal (3.1 to 5.0) over Delhi. The predominant surface wind is likely to be from the northwest directions reaching up to 16 kmph during the afternoon hours. The wind speed will decrease becoming less than 06 kmph from the west direction during evening and night.

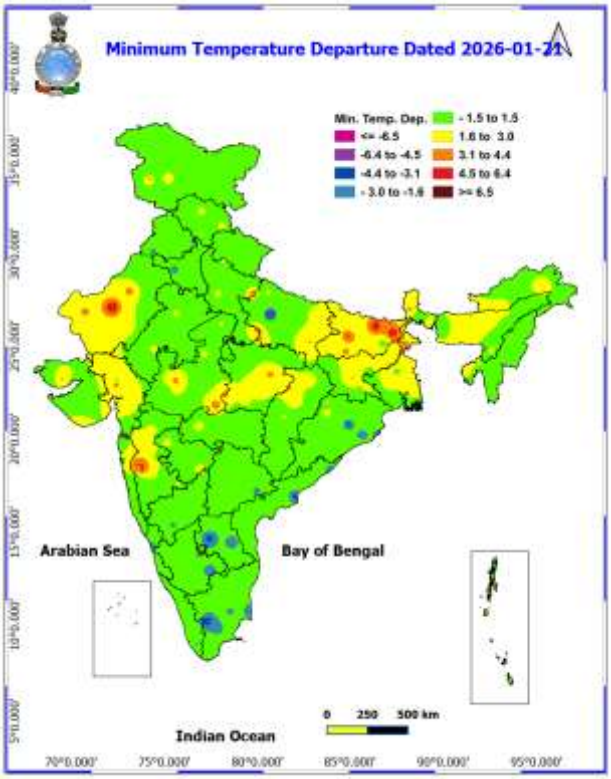
22.01.2026: Partly cloudy sky becoming generally cloudy sky towards afternoon/evening. Shallow to Moderate fog during morning hours. The maximum and minimum temperatures over Delhi are likely to be in the range of 24°C to 26°C and 07°C to 09°C respectively. The minimum temperatures will near normal and the maximum temperatures will appreciably above normal (3.1 to 5.0) over Delhi. The predominant surface wind is likely to be from the west direction with wind speed associated with calm wind reaching up to 05 kmph during the morning hours. The wind speed will increase becoming upto 08 kmph from the west direction in the afternoon. The wind speed will gradually increase becoming upto 15 kmph from the southeast direction during evening and night.

23.01.2026: Generally cloudy sky. One or two spell of light rain accompanied with thunderstorm/lightning and gusty winds 30-40 kmph likely during early hour to forenoon. Another spell of very light to light rain towards afternoon/evening. Shallow to Moderate fog during morning hours. The maximum and minimum temperatures over Delhi are likely to be in the range of 19°C to 21°C and 12°C to 14°C respectively. The minimum temperature will appreciably above normal (3.1 to 5.0) and the maximum temperatures will near normal over Delhi. The predominant surface wind is likely to be from the southeast direction with wind speed reaching up to 16 kmph during morning hours. The wind is likely to be from the southeast direction with wind speed reaching upto 25 kmph during afternoon. The wind speed will decrease becoming less than 15 kmph from the southeast direction during evening and night.

24.01.2026: Generally cloudy sky. Strong surface wind speed reaching upto 20-30 kmph. Shallow to Moderate fog during morning hours. The maximum and minimum temperatures over Delhi are likely to be in the ranges of 19°C to 21°C and 06°C to 08°C respectively. The minimum temperatures and the maximum temperatures will near normal over Delhi. The predominant surface wind is likely to be from the southeast direction with wind speed upto 10 kmph during the morning hours. The wind speed is likely to be from the northeast direction with wind speed reaching up to 12 kmph during afternoon hours. The wind speed will decrease becoming less than 10 kmph from the northwest direction during evening and night.

ANNEXURE IV





Reported minimum temperature (≤5°C) at 0830 hrs IST of the 21st January 2026.

Station	State	Minimum Temperature (°C)
Adampur	Punjab	2.6
Amritsar	Punjab	3.3
Hisar	Haryana	4.3

Impact expected due to dense/very dense fog in the morning hours: **Dense fog** conditions also likely during morning/night hours in isolated pockets over Punjab, Haryana and Chandigarh till 22nd; Punjab, Haryana and Chandigarh, West Rajasthan during 24th- 26th 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.

Agromet advisories for likely impact of Heavy Rainfall/ Snowfall / Hailstorm

- In **Jammu & Kashmir**, make necessary arrangement to drain out excess water from wheat, mustard, chickpea, pea and vegetables fields. Gently shake the trees to remove snow immediately from the branches.
- In **Himachal Pradesh,** harvest the matured vegetables and keep the harvested produce in safe places. Make necessary arrangements to drain out excess rainwater from the standing crops, vegetable fields and fruit orchards.
- In **Uttarakhand**, harvest matured rapeseed & sugarcane and keep the harvested produce in safe places. Make necessary arrangements to drain excess water from standing crop fields and vegetables.
- Use hail nets to protect orchards and vegetable plants in Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Punjab, Haryana, West Uttar Pradesh and Rajasthan.

Livestock

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

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.

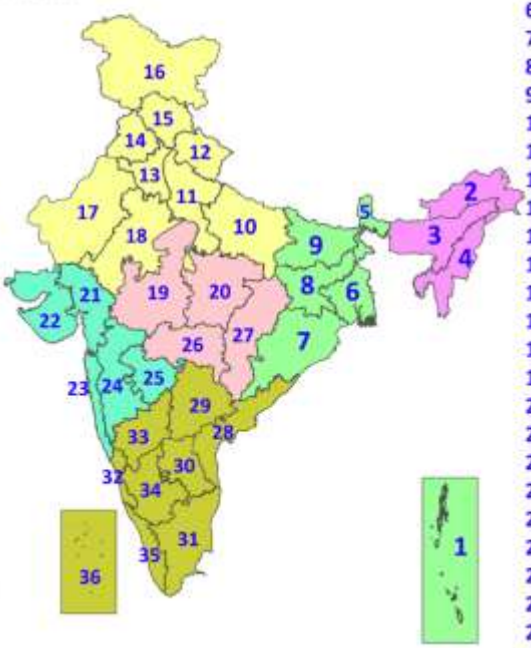
❖ **Region wise classification of meteorological Sub-Divisions:**
- **Northwest India:** Western Himalayan Region (Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh and Uttarakhand); Punjab, Haryana-Chandigarh-Delhi; West Uttar Pradesh, East Uttar Pradesh, West Rajasthan and East Rajasthan.
- **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)

* 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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