



Government of India
Ministry of Earth Sciences
India Meteorological Department



Press Release

Date: 24th January 2026

Time of Issue: 1315 hours IST

Subject: (i) An intense Western Disturbance likely to cause light/moderate rainfall at many places over Western Himalayan region during 26th to 28th and with isolated heavy rainfall/snowfall on 27th January, 2026.

(ii) Scattered to fairly widespread light/moderate rainfall lightning & gusty winds speed reaching 30-40 kmph gusting to 60 kmph over adjoining plains of northwest India and Madhya Pradesh during 27th -28th January, 2026.

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

- ❖ **Light to moderate rainfall/snowfall** occurred at many places over Jammu-Kashmir-Ladakh, Himachal Pradesh, Uttarakhand with **very Heavy Rainfall** at isolated places over Jammu-Kashmir and **heavy rainfall** over Uttarakhand, Himachal Pradesh.
- ❖ **Light to moderate rainfall occurred at most places** over Haryana, Chandigarh & Delhi, and **heavy rainfall** over at isolated places over Punjab, West Uttar Pradesh.
- ❖ Isolated **hailstorm** activity has been recorded over Jammu, Himachal Pradesh, West Uttar Pradesh.
- ❖ **Thunderstorm accompanied with Squally/Gusty winds** with speed **60-90 kmph** prevailed at isolated places over Jammu-Kashmir, Himachal Pradesh, Haryana, West Uttar Pradesh and **30-60 kmph** over Uttarakhand, Punjab, East Uttar Pradesh, Delhi, Andaman & Nicobar Islands, Arunachal Pradesh.
- ❖ **Very Dense fog (visibility <50 m) conditions** prevailed in isolated pockets of Odisha and **dense fog (visibility 50-199 m)** conditions prevailed in isolated pockets of Meghalaya.
- ❖ **Visibility reported (in meters ≤200 m): Odisha:** Dhenkanal 20m; **Meghalaya:** Barapani 100m.

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

- ❖ **Minimum temperatures** were **1-4°C** at some places over Himachal Pradesh, Uttarakhand, Punjab; at isolated places over Haryana & northwest Rajasthan; **5°-9°C** at many places over Delhi; at a few places over South Rajasthan; at isolated places over Chhattisgarh, West Uttar Pradesh, Gujarat State, Odisha, Meghalaya. 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) at many places over Madhya Pradesh; at a few places over Bihar, Uttar Pradesh, Andaman & Nicobar Islands; at isolated places over Madhya Maharashtra, Vidarbha, Coastal Andhra Pradesh & Yanam, Tamil Nadu and below normal by (-2°C to -4°C) over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Punjab, Haryana Chandigarh & Delhi, West Rajasthan, Saurashtra & Kutch, Interior Karnataka and near normal over rest parts of the country. ([refer to ANNEXURE IV](#))
- ❖ **Minimum Temperatures have shown rising tendency** by, 2-5°C over East Uttar Pradesh, Coastal Andhra Pradesh; **falling tendency by 2-5°C** over Jammu-Kashmir, West Rajasthan, West Madhya Pradesh; **by 5-9°C** over Punjab, Haryana, Saurashtra & Kutch.
- ❖ The **lowest minimum temperature** of 0.8°C was observed at Bhatinda (**Punjab**) over the plains of India.

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

- ❖ The **Western Disturbance** is seen as a cyclonic circulation over Jammu & adjoining Pakistan in lower & middle tropospheric levels.
- ❖ An **induced cyclonic circulation** lies over north Punjab in lower tropospheric levels.
- ❖ A **cyclonic circulation** lies over central parts of south Uttar Pradesh in lower tropospheric levels.

- ❖ The **trough** in easterlies lies over southwest Bay of Bengal off Tamil Nadu Sri Lanka coast in lower tropospheric levels.
- ❖ **Subtropical westerly Jet Stream** with core winds of the order of 130 knots at 12.6 km above mean sea level prevails over Northeast India.
- ❖ 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:

- ❖ A fresh wet spell with scattered to Fairly widespread rainfall/snowfall with **lightning & gusty winds speed reaching 40-50 kmph gusting to 60 kmph** over Jammu-Kashmir-Ladakh, Himachal Pradesh and Uttarakhand on 27th & 28th January. **Isolated heavy rainfall/snowfall also likely over Jammu-Kashmir and Himachal Pradesh 27th January and Scattered to fairly widespread light to moderate rainfall lightning & gusty winds speed reaching 30-40 kmph gusting to 60 kmph** over adjoining plains of northwest India and Madhya Pradesh during the same period.
- ❖ Isolated **Hailstorm** activity also likely over Jammu-Kashmir, Himachal Pradesh on 27th, Uttarakhand on 27th & 28th January.
- ❖ **Thunderstorm activity accompanied with lightning** also likely over Tamil Nadu, Puducherry & Karaikal on 24th & 25th and over Kerala & Mahe on 26th **with isolated heavy rainfall** likely over Tamil Nadu, Puducherry & Karaikal on 24th & 25th January.

Forecast of minimum temperatures:

- ❖ No significant change in minimum temperatures likely over Northwest India during next 2 days and gradual rise by 4-6°C during subsequent 2-3 days and gradual fall by 3-5°C thereafter during subsequent next 2 days.
- ❖ No significant change in minimum temperatures likely over Central India during next 2 days and gradual rise by 3-5°C during subsequent 2-3 days and gradual fall by 3-5°C during subsequent 2 days.
- ❖ Gradual rise in minimum temperatures by 2-4°C over Maharashtra during next 3 days and no significant change thereafter.
- ❖ Gradual rise in minimum temperatures by 2-4°C over Gujarat during next 3 days and gradual fall by 3-5°C during subsequent 4 days.
- ❖ No significant change in minimum temperatures likely over rest parts of the country.

Dense Fog, Cold wave & Cold day Warnings:

- ❖ **Dense to very dense fog** conditions likely during morning/ night hours in some/isolated pockets over Punjab and Haryana & Chandigarh on 25th-26th January.
- ❖ **Dense fog** conditions also likely during morning/night hours in isolated pockets over Himachal Pradesh, Sub-Himalayan West Bengal & Sikkim on 25th-26th; Madhya Pradesh on 25th January
- ❖ **Cold wave** conditions likely in isolated pockets over Himachal Pradesh, Punjab, Haryana Chandigarh, Rajasthan on 25th & 26th January.
- ❖ **Cold day** conditions likely in isolated pockets over north Rajasthan on 24th January.

Fisherman Warning:

Fishermen are advised not to venture into the following areas during 24th January to 29th January, 2026:

- **Bay of Bengal:** Over some parts of southwest Bay of Bengal, along and of north Tamil Nadu and Sri Lanka coast during 24th to 26th January, Over Gulf of Mannar during 25th to 26th January 2026, over Comorin Area during 25th to 29th January 2026,
- **Arabian Sea:** Over north Arabian Sea, along and off north Gujarat & Oman coasts, some parts southwest Arabian Sea, along and off Somalia coast during 24th to 25th January.

Weather conditions and forecast over Delhi/NCR during 24th -27th 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):

- ❖ **Jammu-Kashmir:** Batote (dist Ramban) 12; Badarwah (dist Doda), Udhampur(IAF) (dist Udhampur) 7 Each;
- ❖ **Himachal Pradesh:** Kothi (dist Kullu) 10; Dharampur (dist Solan) 9; Gondla (dist Lahaul & Spiti) 8; Solan (Dist Solan), Kandaghat (Dist Solan), Keylong (Dist Lahaul & Spiti), Khadrala (Dist Shimla), Kufri Aws (Dist Shimla) 7 Each;
- ❖ **Uttarakhand:** Kapkot (Dist Bageshwar) 9;
- ❖ **West Uttar Pradesh:** Sambhal (dist Sambhal) 9, Sardhana (dist Meerut) 4;
- ❖ **Punjab:** Gurdaspur Amfu (Dist Gurdaspur) 8.

Snow depth recorded (in cm) during past 24 hours ending at 0830 hrs IST of today

- ❖ **Jammu-Kashmir:** Gulmarg 50.8, Kukernag 47, Pahlgam 46, Batote 43, Bhaderwah 31, Banihal 22, Qazigund 10.
- ❖ **Himachal Pradesh:** Kothi 105.0, Gondla 85.0, Keylong 75.0, Khadrala 68.6, Kufri 66.0.

Realised Gusty wind since last 24 hours (till 0830 hrs IST) (in kmph)

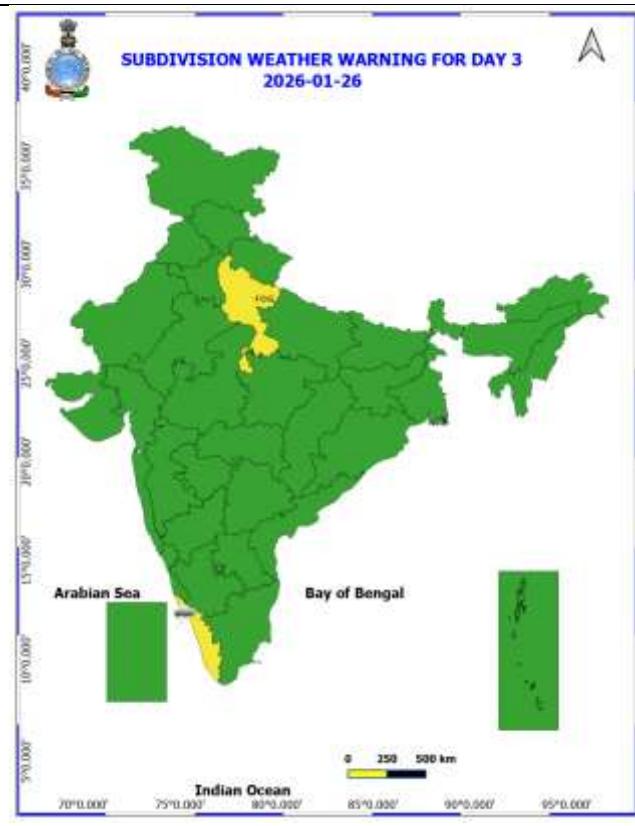
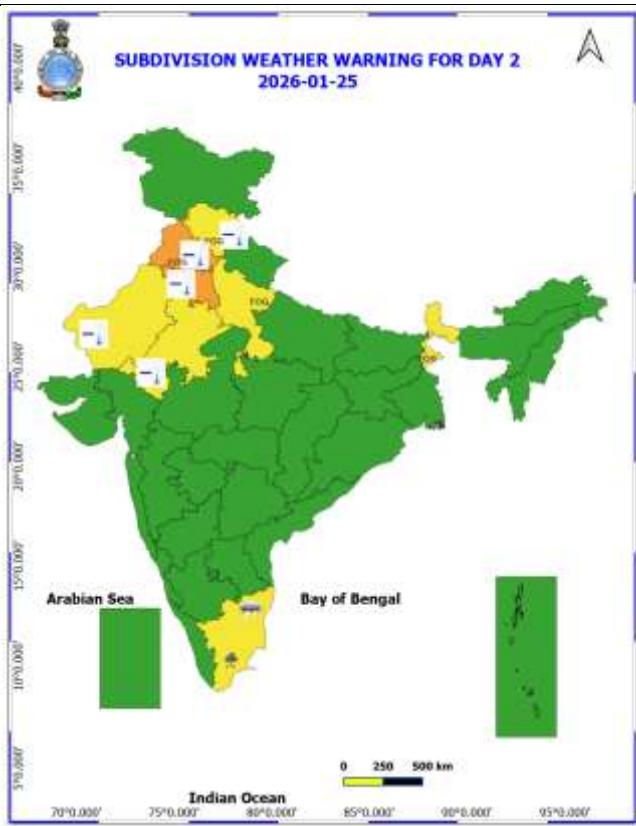
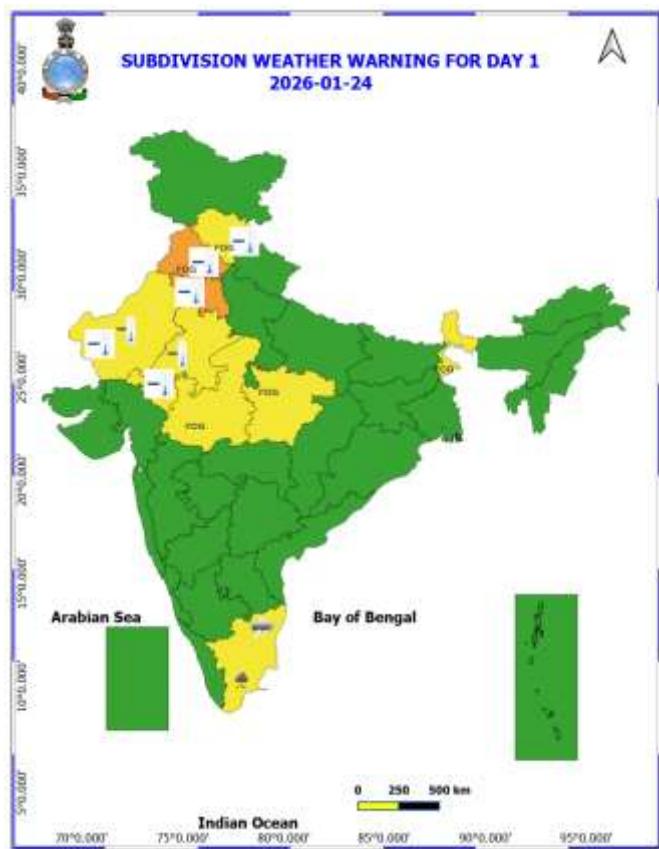
- ❖ **Himachal Pradesh:** Narkanda-81, Kufri-80, Masobra-74, Shimla-70, Seobagh-48, Recongpeo-46, Tabo-39
- ❖ **Haryana:** Chandigarh (68), Hathni kund barraj (Yng) 59, Panipat(48), Gurgram 39;
- ❖ **Jammu-Kashmir:** Jammu=65, Reasi=54, Samba=48, Baramulla=43
- ❖ **West Uttar Pradesh:** Sarsawa-61, Muzaffarnagar Aws-44, Hindon Iaf-37;
- ❖ **East Uttar Pradesh:** Kanpur Iaf41, Farrukhabad Aws-41,;
- ❖ **Punjab:** Hoshiarpur 50, Pathankot 44;
- ❖ **Uttarakhand:** Kosyakatauli/Matella-37 Kmhp, Pantnagar-41 Kmhp, Champawat-48;

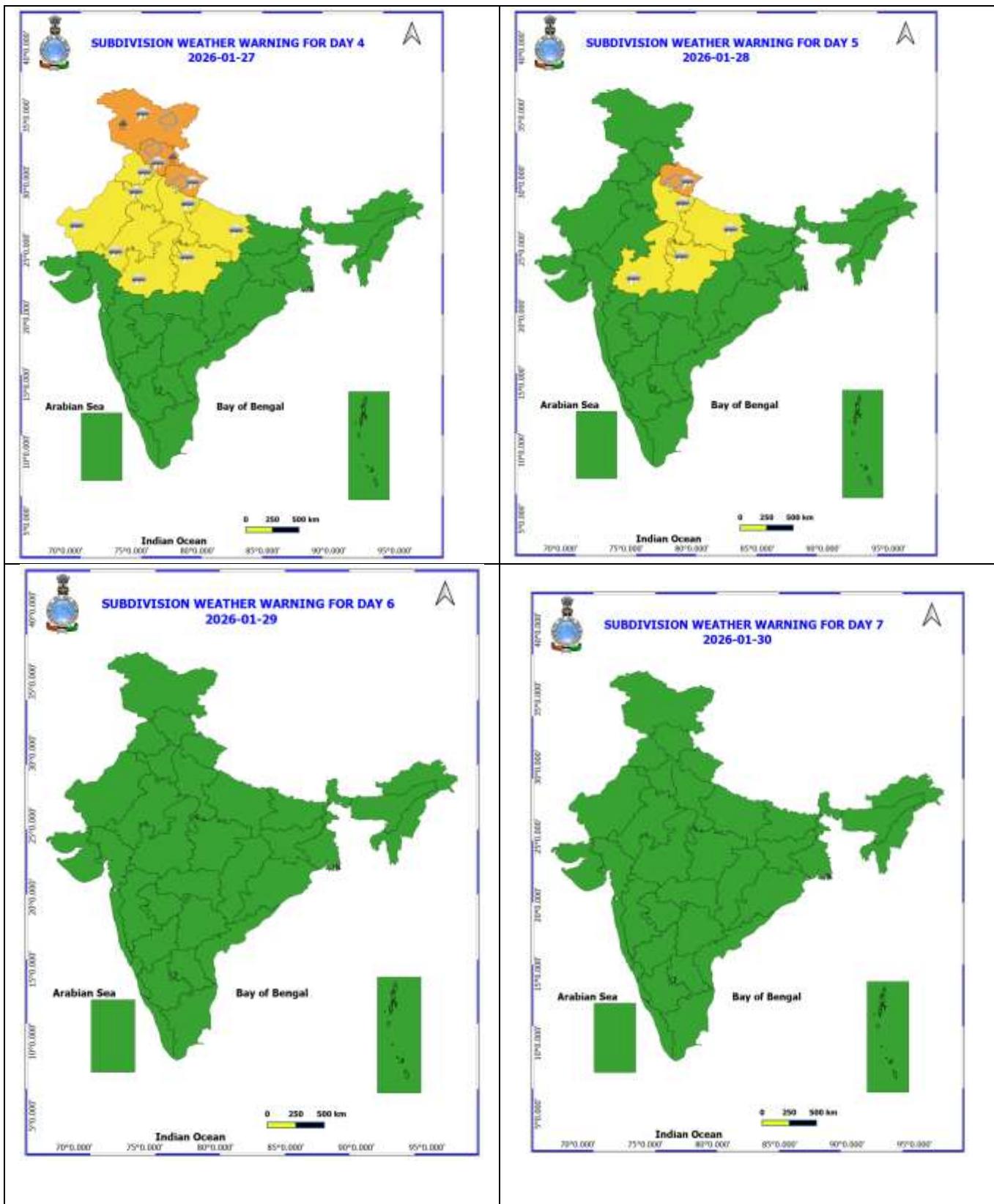
Table-1

7 Days Rainfall Forecast

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

- As the lead period increases forecast accuracy decrease.





- Action may be taken based on ORANGE AND REDCOLOUR warnings.
- Vulnerable regions likely urban and hilly areas action may be initiated for heavy rainfall warning.
- As the lead period increases forecast accuracy decreases.

Detailed districtwise Multi Hazard weather warning for next five days available at
<https://mausam.imd.gov.in/responsive/districtWiseWarningGIS.php>

Weather forecast over Delhi/NCR during 24th to 27th January 2026

Past Weather:

There has been a markedly fall in minimum temperature up to 6 - 8°C and markedly fall in maximum temperatures by 08 - 11°C during the past 24 hours over Delhi. The maximum and minimum temperatures over Delhi were around 15°C to 16°C and 06°C to 08°C respectively. The minimum temperatures were below normal (-1.6 to -3.0°C) at a few places and normal (-1.5 to 1.5°C) over remaining parts of Delhi. The maximum temperatures were appreciably below normal (-3.1 to -5.0°C) at most places over Delhi. Safdarjung reported lowest visibility 400m at 0130 IST, which thereafter improved to 500m at 0200 IST of today, 24.01.2026. Palam reported lowest visibility 400m at 0200 IST, which thereafter improved to 700m at 0230 IST of today, 24.01.2026. Generally cloudy sky with light to moderate rain accompanied with thunderstorm/lightning and gusty winds (speed 30-40 Kmph) at most places and predominant surface wind from the southeast direction with a wind speed up to 18kmph reaching up to 37kmph prevailed during the past 24 hours. Partly cloudy sky with wind speed reaching up to 15kmph from the northwest direction prevailed over the region in the forenoon today.

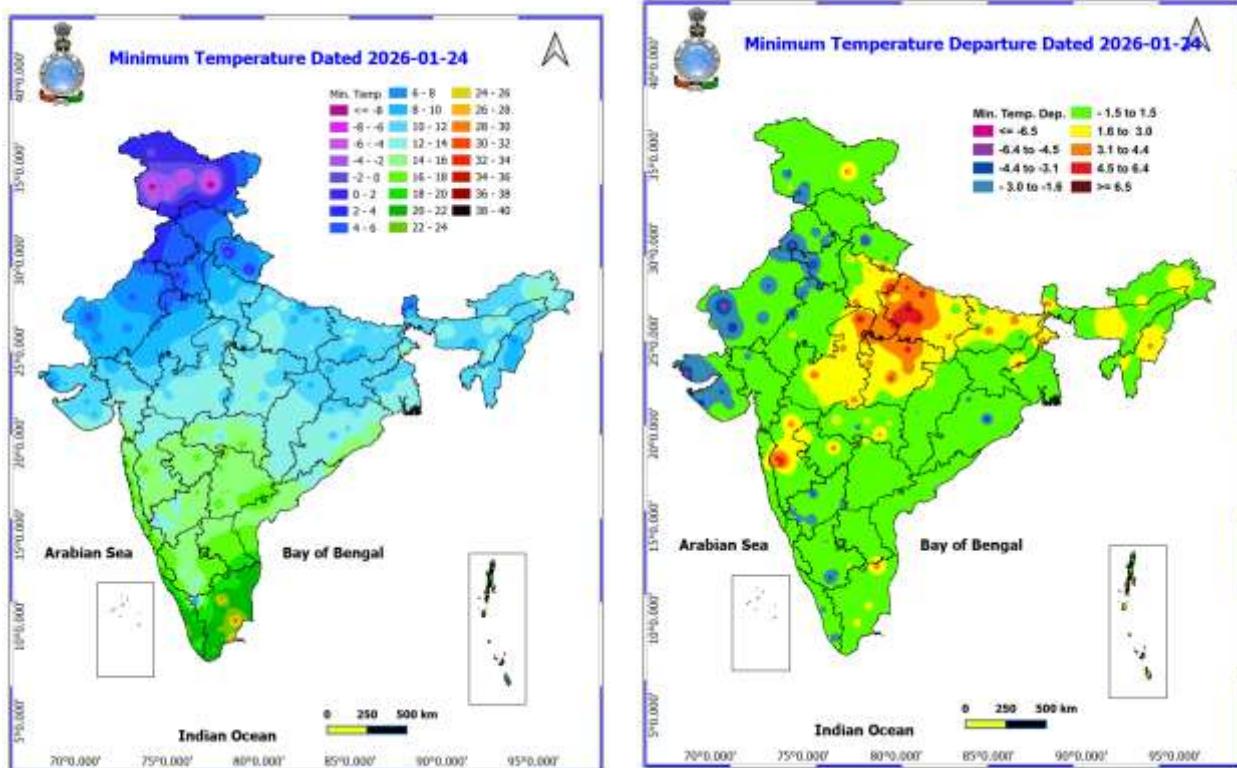
Weather Forecast:

24.01.2026: Partly cloudy sky. Sustained surface winds speed reaching 20 – 30 kmph. The maximum temperatures are likely to be in the range of 17°C to 19°C. Maximum temperatures will be below 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 20kmph during the afternoon hours. The wind speed will decrease becoming up to 12 kmph from the northwest direction during the evening and night.

25.01.2026: 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 17°C to 19°C and 04°C to 06°C respectively. The minimum temperature will be below normal (-1.6°C to 3.0°C) and the maximum temperatures will be below normal (-1.6°C to -3.0°C) over Delhi. The predominant surface wind is likely to be from the northwest direction with wind speed less than 15kmph during the morning hours. The wind speed will decrease up to 10kmph from the northwest direction in the afternoon hours. The wind speed will decrease becoming up to 08kmph from the northwest direction during evening and night.

26.01.2025: 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 18°C to 20°C and 04°C to 06°C respectively. The minimum temperatures will be below normal (-1.6°C to 3.0°C) and the maximum temperatures will be below normal (-1.6°C to -3.0°C). The predominant surface wind is likely to be from the northwest direction with wind speed associated with calm wind reaching up to 05 kmph during the morning hours. The wind speed will increase becoming up to 10kmph from the north direction in the afternoon. The wind speed will decrease becoming up to 08kmph from northeast direction during the evening and night.

27.01.2026: Generally cloudy sky. One or two spells of light rain accompanied with thunderstorms/lightning and gusty wind (wind speed 30-40 kmph) during early morning hours to forenoon hours. Another spell of very light to light rain during evening hours to night. Shallow fog during morning hours. The maximum and minimum temperatures in Delhi are likely to be in the ranges of 20°C to 22°C and 08°C to 10°C respectively. The minimum temperatures will be above normal (1.6°C 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 southeast direction with wind speeds up to 15kmph during the morning hours. The wind speed will increase becoming up to 20kmph from the southeast direction in the afternoon. The wind speed will decrease becoming up to 12kmph from southeast direction during the evening and night.



Impact expected and action suggested due to isolated thunderstorm with lightning/gusty winds & Hailstorm over

- ❖ **Hailstorm** activity also likely over Jammu-Kashmir, Himachal Pradesh on 27th, Uttarakhand on 27th & 28th January.
- ❖ **Thunderstorm with lightning & winds speed reaching 40-50 kmph gusting to 60 kmph** likely over Tamil Nadu, Puducherry & Karaikal on 24th & 25th and over Kerala & Mahe on 26th; Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh, West Uttar Pradesh, East Rajasthan on 27th January.

Impact expected:

- Breaking of tree branches, uprooting of large avenue trees. Large dead limbs blown from trees. Damage to Standing crops.
- Minor to Major damage to banana and papaya trees.
- Minor to major damage to power and communication lines due to breaking of branches.
- Strong wind/hail may damage plantation, horticulture and standing crops.
- Hail may injure people and cattle at open places.
- Partial damage to vulnerable structures due to strong winds.
- Minor damage to kutcha houses/walls and huts.
- Loose objects may fly.

Action suggested:

- People are advised to keep a watch on the weather for worsening conditions and be ready to move to safer places accordingly.
- Stay indoors, close windows & doors and avoid travel if possible.
- Take safe shelters; do not take shelter under trees.
- Do not lie on concrete floors and do not lean against concrete walls.
- Unplug electrical/ electronic appliances.
- Immediately get out of water bodies.
- Keep away from all the objects that conduct electricity.

Impact & Action Suggested due to

- ❖ **Isolated heavy rainfall/snowfall also likely over Tamil Nadu, Puducherry & Karaikal on 24th & 25th; Jammu-Kashmir and Himachal Pradesh 27th January**

Impact Expected

- Localized Flooding of roads, water logging in low lying areas and closure of underpasses mainly in urban areas of the above region.
- Occasional reduction in visibility due to heavy rainfall.
- Disruption of traffic in major cities due to water logging in roads leading to increased travel time.
- Minor damage to kutch roads.
- Possibilities of damage to vulnerable structure.
- Localized Landslides/Mudslides/landsips/mudsips/landsinks/mudsinks.
- Damage to horticulture and standing crops in some areas due to inundation.
- It may lead to riverine flooding in some river catchments (for riverine flooding please visit Web page of CWC)

Action Suggested

- Check for traffic congestion on your route before leaving for your destination.
- Follow any traffic advisories that are issued in this regard.
- Avoid going to areas that face the water logging problems often.
- Avoid staying in vulnerable structure.

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

- ❖ **Dense to very dense fog** conditions likely during morning/ night hours in some/isolated pockets over Punjab and Haryana & Chandigarh on 25th-26th January.
- ❖ **Dense fog** conditions also likely during morning/night hours in isolated pockets over Himachal Pradesh, Sub-Himalayan West Bengal & Sikkim on 25th-26th; Madhya Pradesh on 25th 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.

Agromet advisories for likely impact of Heavy Rainfall

- In **Jammu & Kashmir**, ensure proper drainage to drain out excess water from wheat, mustard, chickpea, pea and vegetables fields. Gently shake the fruit bearing trees to remove snow immediately from the branches.
- In **Himachal Pradesh**, ensure proper drainage to drain out excess rainwater from the standing crops, vegetable fields and fruit orchards. Gently shake the fruit bearing trees to remove snow immediately from the branches.
- In **Tamil Nadu**, make necessary arrangements to drain out excess rain water from the standing crops and vegetable fields. Strengthen supports and pandals in vegetable fields.

Agromet advisories for likely impact of Hailstorm

- Use hail nets to protect orchards and vegetable plants in Jammu & Kashmir, Himachal Pradesh and Uttarakhand.

Agromet advisories for likely impact of Cold Waves / Low Temperatures

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

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.

Livestock / Poultry

- Keep the animals inside the shed during heavy rainfall/ Hailstorm period and provide them balanced feed. Store feed and fodder in a safe place to prevent spoilage.
- To protect from cold, keep cattle inside the sheds during night and provide dry bedding. Also 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.

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. झारखण्ड

9. बिहार

10. पूर्वी उत्तर प्रदेश

11. पश्चिम उत्तर प्रदेश

12. उत्तराखण्ड

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. कोकण और गोवा

24. मध्य महाराष्ट्र

25. मराठवाड़ा

26. विदर्भ

27. छत्तीसगढ़

28. तटीय आंध्र प्रदेश और यनम

29. तेलंगाना

30. रायलसीमा

31. तमिलनाडु, पुदुचेरी और कराईकल

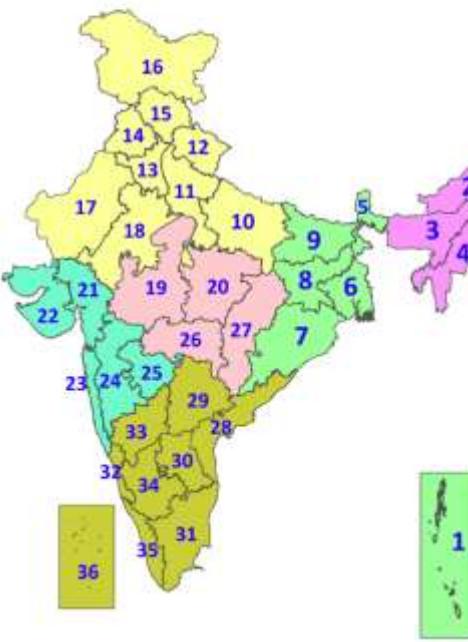
32. तटीय कर्नाटक

33. आतंरिक उत्तरी कर्नाटक

34. आतंरिक 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

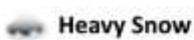
34. South Interior Karnataka

35. Kerala & Mahe

36. Lakshadweep

SPATIAL DISTRIBUTION (% of Stations reporting)

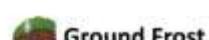
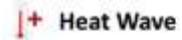
% Stations	Category	% Stations	Category
76-100	Widespread (WS/Most Places)		
51-75	Fairly Widespread (FWS/Many Places)		
26-50	Scattered (SCT/A Few Places)		
1-25	Isolated (ISOL)		



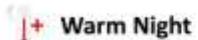
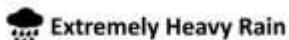
COLOUR CODED WARNING



No Warning (No Action)



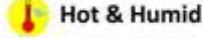
Watch (Be Aware)



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



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 *

When maximum temperature of a station reaches $\geq 40^{\circ}\text{C}$ for plains and $\geq 30^{\circ}\text{C}$ for hilly regions
(a) Based on Departure from normal

Heat Wave: Maximum Temperature Departure from normal 4.5°C to 6.4°C .

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

Heat Wave

(b). Based on Actual maximum temperature

Heat Wave: When actual maximum temperature $\geq 45^{\circ}\text{C}$.

Severe Heat Wave: When actual maximum temperature $\geq 47^{\circ}\text{C}$

(c). Criteria for heat wave for coastal stations

When maximum temperature departure is $>4.5^{\circ}\text{C}$ from normal. Heat Wave may be described provided maximum temperature $\geq 37^{\circ}\text{C}$

Warm Night

When maximum temperature remains 40°C

Warm Night: When minimum temperature departure 4.5°C to 6.4°C .

Severe Warm Night: When minimum temperature departure $>6.4^{\circ}\text{C}$

Cold Wave

When minimum temperature of a station $\leq 10^{\circ}\text{C}$ for plains and $\leq 0^{\circ}\text{C}$ for hilly regions.

(a). Based on departure

Cold Wave: Minimum Temperature Departure from normal -4.5°C to -6.4°C .

Severe Cold Wave: Minimum Temperature Departure from normal $\leq -6.5^{\circ}\text{C}$

(b) Based on actual Minimum Temperature (for Plains only)

Cold Wave : When Minimum Temperature is $\leq 4.0^{\circ}\text{C}$

Severe Cold Wave: When Minimum Temperature is $\leq 2.0^{\circ}\text{C}$

(c) For Coastal Stations

When Minimum Temperature departure is $\leq -4.5^{\circ}\text{C}$ & actual Minimum Temperature is $\leq 15^{\circ}\text{C}$

Cold Day

When minimum temperature of a station $\leq 10^{\circ}\text{C}$ for plains and $\leq 0^{\circ}\text{C}$ for hilly regions

Based on departure

Cold Day: Maximum Temperature Departure from normal -4.5°C to -6.4°C .

Severe Cold Day: Maximum Temperature Departure from normal $\leq -6.5^{\circ}\text{C}$

Fog

Phenomenon of small droplets suspended in air and the horizontal visibility $< 1\text{ km}$

Moderate Fog: When the visibility between 500-200 metres

Dense Fog: when the visibility between 50- 200 metres

Very Dense Fog: when the visibility < 50 metres

Thunderstorm

Sudden electrical discharges manifested by a flash of light (Lightning) and a sharp rumbling sound (thunder)

Dust/Sand Storm

An ensemble of particles of dust or sand energetically lifted to great heights by a strong and turbulent wind.

Frost

Ice deposits on ground

Air temperature $\leq 4^{\circ}\text{C}$ (over Plains)

Squall

A strong wind that rises suddenly, lasts for atleast 1 minute.

Moderate: Wind speed 52-61 kmph

Severe: Wind speed 62-87 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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