



Government of India
Ministry of Earth Sciences
India Meteorological Department



Press Release

Date: 17th February 2026

Time of Issue: 1350 hours

Subject:(i) Under the influence of the Western Disturbance, isolated light to moderate rainfall/snowfall is likely over the Western Himalayan Region and isolated light rainfall with thunderstorm & lightning over plains of northwest India on 17th & 18th February.

(ii) Maximum Temperatures are likely to be above normal by 2-4°C over Plains of Northwest India during the week with temporally relief on 17th & 18th February.

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

- ❖ **Dense fog (visibility 50-199 m) conditions** prevailed in isolated pockets over Odisha, Haryana and Meghalaya.
- ❖ **Visibility Reported (In Meters <200 m):** Odisha: Paradeep, Bhubaneswar (50-199m); **Haryana:** Karnal 60m; Meghalaya: Barapani (50m).

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

- ❖ **Minimum temperatures** were **less than 0°C** over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad; **upto 6°C** over Himachal Pradesh & Uttarakhand; **7-12°C** over Punjab, Haryana Chandigarh & Delhi, Uttar Pradesh, Madhya Pradesh, Jharkhand, Chhattisgarh, Bihar, Odisha, Sikkim, Assam & Meghalaya and **12-15°C** over Rajasthan, Saurashtra & Kutch, Madhya Maharashtra, Vidarbha, Gangetic West Bengal, Northeast India.
- ❖ **Minimum Temperature Departures** were **above normal (1.6°C to 3.1°C)** over Jammu Division, Himachal Pradesh, Uttarakhand, Haryana, Rajasthan, Madhya Pradesh, Gujarat State, Maharashtra, Kerala & Mahe and **near normal** over rest parts of the country.
- ❖ The **lowest minimum temperature** of **8.2°C** was observed at **Banda (East Uttar Pradesh)** over the plains of India.
- ❖ The **highest maximum temperature** of **36.4°C** was observed at **Kochi (Kerala)** over the plains of India.
- ❖ **Maximum temperatures** were in the range of **35-36°C** over Tamil Nadu, Kerala & Mahe, Karnataka; **30-35°C** over Central, West India, remaining parts of south Peninsular India, Odisha, Jharkhand, Gangetic West Bengal, Assam & Meghalaya; **20-25°C** over Jammu-Kashmir, Himachal Pradesh, north Punjab and remaining parts of Northeast India.
- ❖ **Maximum Temperatures** were also appreciably above normal by **3-5°C** over many parts of western Himalayan region and plains of Northwest India; by **2-3°C** over Uttar Pradesh, East Rajasthan, Bihar, Madhya Pradesh, Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya, Gujarat State, Coastal Karnataka and **near normal** over rest parts of the country.

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

- ❖ The **Low-Pressure Area** over east Equatorial Indian Ocean & adjoining central parts of south Bay of Bengal moved slowly west-northwestwards and lay over Equatorial Indian Ocean & adjoining southwest Bay of Bengal at 0830 hrs IST of today, the 17th February, 2026. The associated upper air cyclonic circulation extends upto 5.8 km above mean sea level. It is likely to move west-northwestwards and become more marked over southwest Bay of Bengal & adjoining east Equatorial Indian Ocean around 18th February, 2026.
- ❖ The **Western Disturbance** as a cyclonic circulation lies over central Pakistan & adjoining Punjab in lower tropospheric levels.
- ❖ Another **Western Disturbance** as a cyclonic circulation lies over southeast Pakistan & neighbourhood in lower to upper tropospheric levels tilting northwestwards with height.
- ❖ A **induced upper air cyclonic circulation** lies over Punjab & neighbourhood in lower tropospheric levels.
- ❖ An **upper air cyclonic circulation** lies over southeast Arabian Sea off south Kerala coast in lower tropospheric levels.
- ❖ **Subtropical westerly Jet Stream** with core winds of the order of 115 knots at 12.6 km above mean sea level prevails over Northeast India.

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

- ❖ **Isolated** rainfall/snowfall likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh on 17th & 18th and Uttarakhand on 18th & 19th, West Uttar Pradesh on 18th February.
- ❖ **Isolated** rainfall with **thunderstorm, lightning & gusty winds speed reaching (30-40 kmph)** likely over Nicobar, Haryana, Rajasthan on 17th & 18th, with **thunderstorm & lightning** likely over West Madhya Pradesh on 18th February.
- ❖ **Hailstorm activity** also likely at isolated places over Punjab, Haryana, East Rajasthan on 18th February.

Forecast of minimum temperatures:

- ❖ Gradual rise in minimum temperature by 2°C likely over Northwest India during next 24 hours; gradual fall by 2-3°C during subsequent 2 days and no significant change thereafter.
- ❖ Gradual rise in minimum temperature by 2-3°C likely over Central India during next 24 hours and no significant change during subsequent 6 days.
- ❖ Gradual rise in minimum temperature by 2-3°C likely over Gujarat during next 4 days and no significant change during subsequent 3 days.
- ❖ Gradual rise in minimum temperature by 2-3°C likely over southern parts of Maharashtra during next 2 days and no significant change during subsequent 3 days.
- ❖ No significant change in minimum temperature likely over East India during next 3 days and gradual rise by 2-3 °C during subsequent 4 days.
- ❖ No significant change in minimum temperatures likely over rest parts of the country.

Forecast of maximum temperatures:

- ❖ **Maximum Temperatures are likely to fall by 2-4°C over plains of Northwest India during next 2 days and gradual rise by 2-4°C thereafter for subsequent 5 days.**
- ❖ No significant change in Maximum temperature likely over Gujarat State, Maharashtra & Goa during next 3 days and gradual rise by 2-3 °C thereafter during subsequent 4 days.

Dense Fog Warnings:

- ❖ **Dense fog conditions** likely during morning hours in isolated pockets over Odisha and Coastal Andhra Pradesh & Yanam till 19th February.

Fisherman Warning:

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

- **Bay of Bengal:** Over many parts of southwest and adjoining southeast Bay of Bengal & adjoining east Equatorial Indian Ocean, along and off Sri Lanka coast on 17th February; over many parts of southwest Bay of Bengal & adjoining east Equatorial Indian Ocean, along and off Sri Lanka coast on 18th February; over many parts of southwest Bay of Bengal & adjoining east Equatorial Indian Ocean, along and off Sri Lanka coast, over some parts of Gulf of Mannar, Comorin area on 19th February; over many parts of southwest Bay of Bengal & adjoining east Equatorial Indian Ocean, along and off Sri Lanka coast, over Gulf of Mannar, Comorin area on 20th February; along and off Sri Lanka coast & adjoining southwest Bay of Bengal, over Gulf of Mannar, Comorin area on 21st February.
- **Arabian Sea:** No warning.

Weather conditions and forecast over Delhi/NCR during 17th -20th February, 2026 (ANNEXURE III)

For more details, kindly refer National Weather Bulletin:

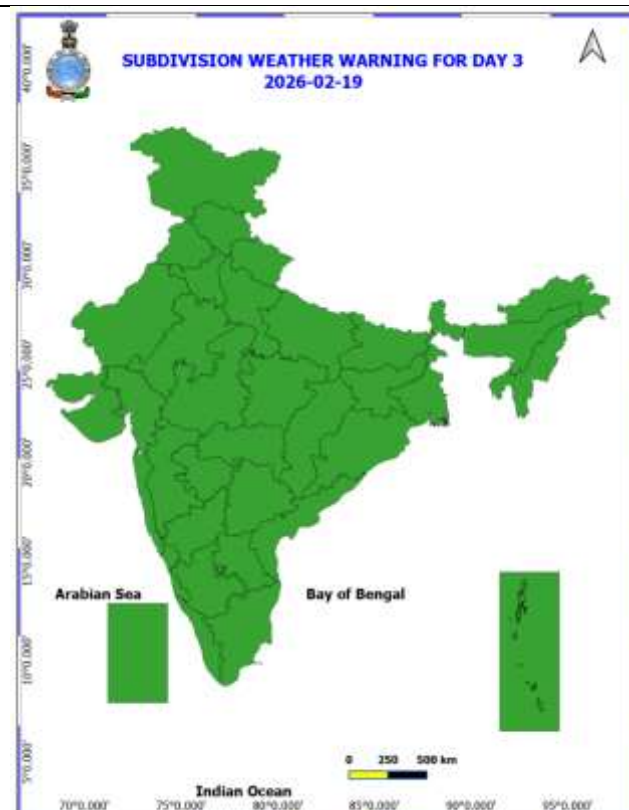
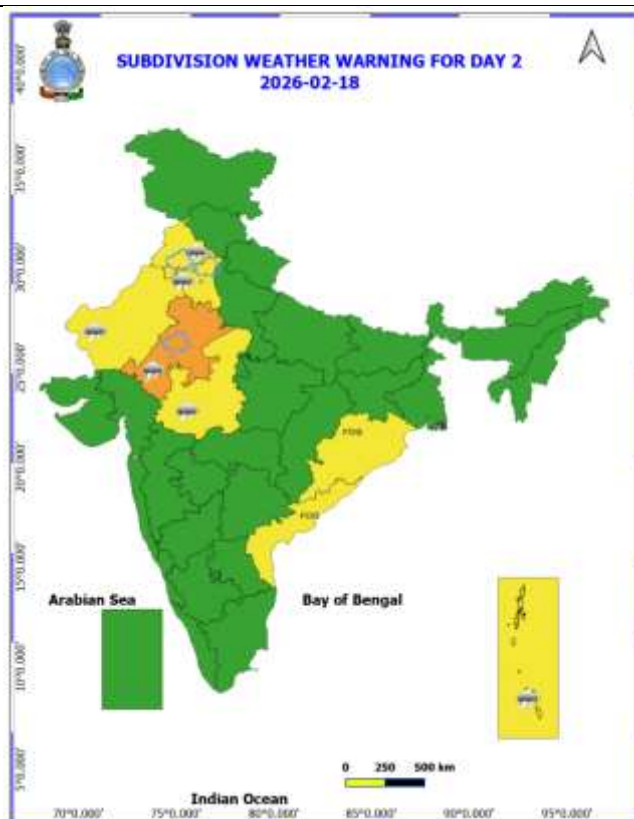
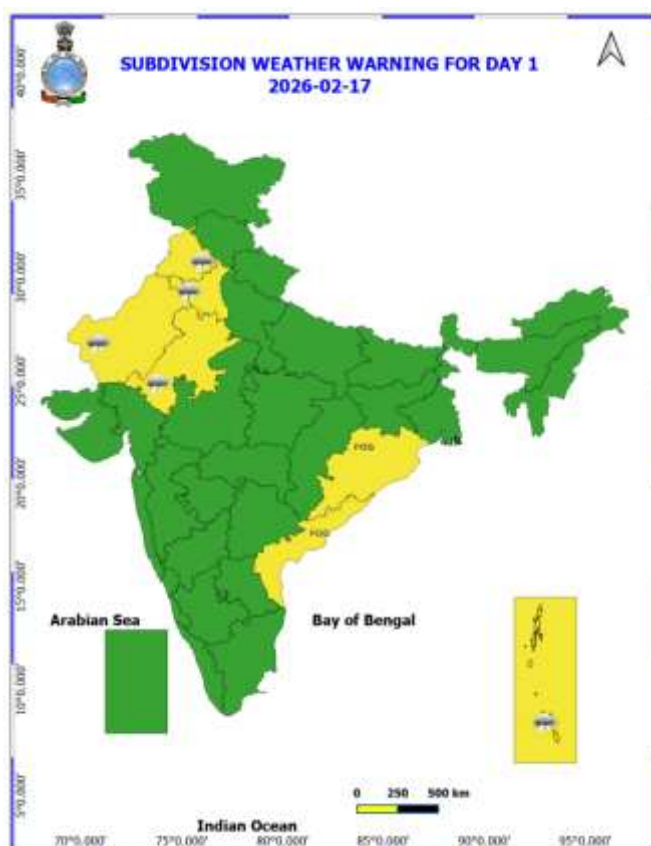
https://mausam.imd.gov.in/responsive/all_india_forecast_bulletin.php

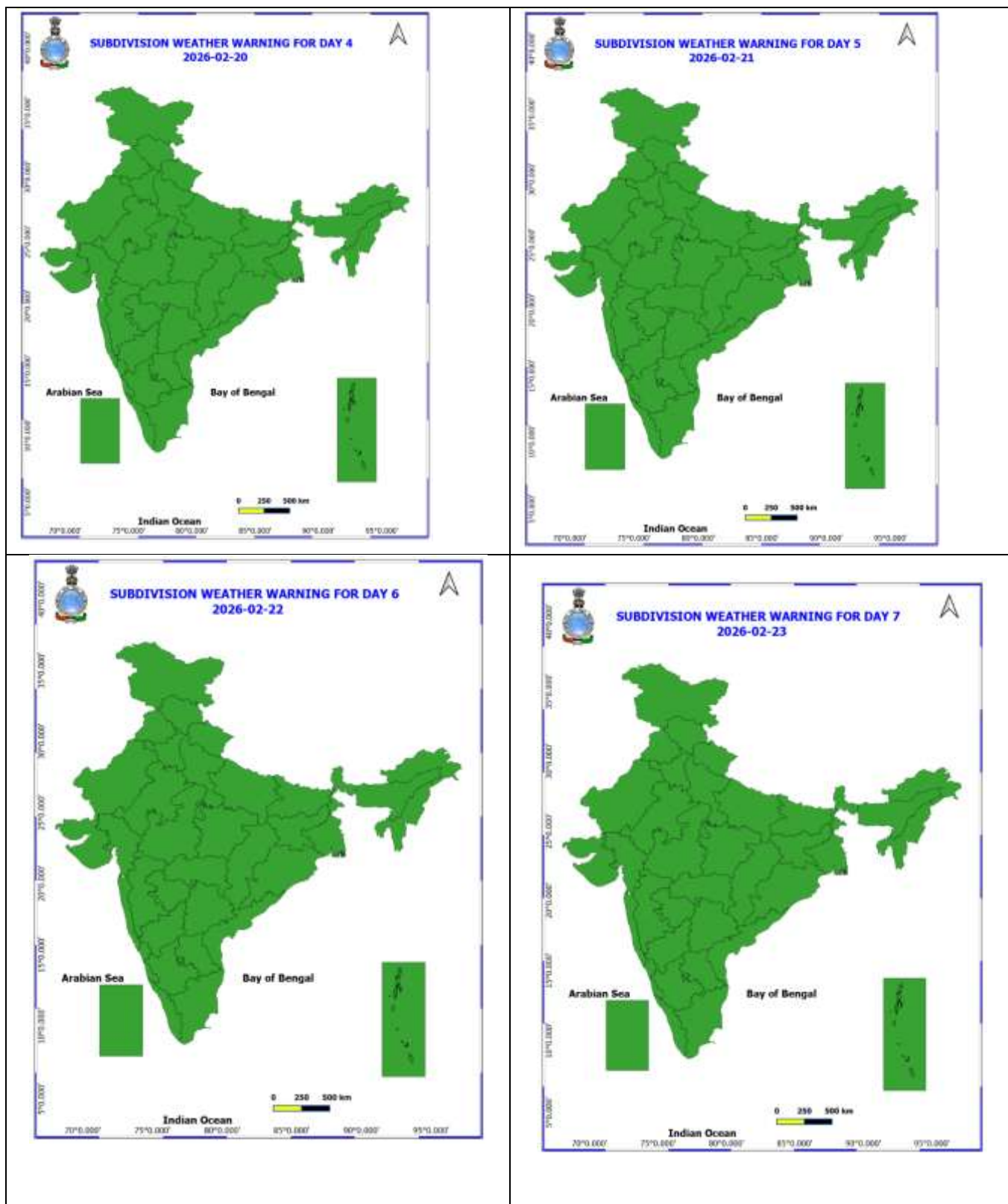
For District wise warnings refer: <https://mausam.imd.gov.in/responsive/districtWiseWarningGIS.php>

For Fishermen warning refer <https://rsmcnewdelhi.imd.gov.in/fishermen-warning.php>

| Table-1 | | | | | | | | |
|--------------------------|--|---------|---------|---------|---------|---------|---------|---------|
| 7 Days Rainfall Forecast | | | | | | | | |
| S.No. | Subdivision | 17- Feb | 18- Feb | 19- Feb | 20- Feb | 21- Feb | 22- Feb | 23- Feb |
| | | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 | Day 7 |
| 1 | ANDAMAN & NICOBAR ISLANDS | FWS | SCT | SCT | SCT | ISOL | DRY | DRY |
| 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 | ISOL | ISOL | ISOL | DRY | DRY | DRY |
| 6 | GANGETIC WEST BENGAL | DRY | DRY | DRY | DRY | DRY | DRY | DRY |
| 7 | ODISHA | DRY | DRY | DRY | DRY | DRY | DRY | DRY |
| 8 | JHARKHAND | DRY | DRY | DRY | DRY | DRY | DRY | DRY |
| 9 | BIHAR | DRY | DRY | DRY | DRY | DRY | DRY | DRY |
| 10 | EAST UTTAR PRADESH | DRY | DRY | DRY | DRY | DRY | DRY | DRY |
| 11 | WEST UTTAR PRADESH | DRY | ISOL | DRY | DRY | DRY | DRY | DRY |
| 12 | UTTARAKHAND | DRY | ISOL | ISOL | DRY | DRY | DRY | ISOL |
| 13 | HARYANA, CHANDIGARH & DELHI | ISOL | ISOL | DRY | DRY | DRY | DRY | DRY |
| 14 | PUNJAB | ISOL | ISOL | DRY | DRY | DRY | DRY | DRY |
| 15 | HIMACHAL PRADESH | DRY | ISOL | DRY | DRY | DRY | DRY | DRY |
| 16 | JAMMU AND KASHMIR AND LADAKH | ISOL | DRY | DRY | DRY | DRY | DRY | DRY |
| 17 | WEST RAJASTHAN | ISOL | ISOL | DRY | DRY | DRY | DRY | DRY |
| 18 | EAST RAJASTHAN | ISOL | SCT | DRY | DRY | DRY | DRY | DRY |
| 19 | WEST MADHYA PRADESH | DRY | ISOL | DRY | DRY | DRY | DRY | DRY |
| 20 | EAST MADHYA PRADESH | DRY | ISOL | 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 | 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 | ISOL | ISOL | SCT | SCT | ISOL |
| 36 | LAKSHADWEEP | DRY | DRY | DRY | DRY | SCT | SCT | SCT |

- 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 MultiHazard weather warning for next five days available at
<https://mausam.imd.gov.in/responsive/districtWiseWarningGIS.php>

Weather forecast over Delhi/NCR during 17th to 20th February 2026

Past Weather:

There has been rise in minimum temperatures by 2-3°C and a rise in the maximum temperature by 2-3°C during the past 24 hours over Delhi. The maximum temperatures over Delhi were around 28°C-32°C and the minimum temperatures are around 12°C-15°C respectively. The minimum temperatures are appreciably above normal (3.1°C to 5.0°C) at isolated places, above normal (1.6°C to 3.0°C) at a few places and normal (-1.5°C to 1.5°C) over remaining parts of Delhi. The maximum temperatures are markedly above normal (5.1°C or more) at most places and appreciably above normal (3.1°C to 5.0°C) at isolated places over Delhi. Mainly clear sky with wind speed reaching up to 14 kmph from the east direction prevailed over past 24 hours. Mainly clear sky. Surface wind speed reaching up to 18 kmph from the southeast direction to be prevailed over the region in the forenoon today.

Weather Forecast:

17.02.2026: Mainly clear sky becoming partly cloudy sky towards afternoon and generally cloudy sky towards evening/night. Mist during night. The maximum temperatures are likely to be in the range of 29°C to 31°C. The maximum temperatures will be markedly above normal (5.1°C or more) over Delhi. The predominant surface wind is likely to be from the southeast direction reaching up to 15 kmph during the afternoon hours. The wind speed will decrease becoming less than 10 kmph from the northeast direction during evening and night.

18.02.2026: Generally cloudy sky. A spell of very light to light rain with thunderstorm/lightning at isolated places accompanied with gusty winds (speed 30-40 kmph) towards forenoon. Another spell of very light rain at isolated places towards afternoon. The maximum and minimum temperatures over Delhi are likely to be in the range of 26°C to 28°C and 13°C to 15°C respectively. The minimum temperature and the maximum temperature will be above normal (1.6°C to 3.0°C) over Delhi. The predominant surface wind is likely to be from the south 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 12 kmph from southeast direction during the afternoon. The wind speed will decrease becoming less than 05 kmph from the north direction during evening and night.

19.02.2026: Mainly clear sky. Mist during morning hours. The maximum and minimum temperatures over Delhi are likely to be in the range of 26°C to 28°C and 12°C to 14°C respectively. The minimum temperature and the maximum temperature will be above normal (1.6°C to 3.0°C) over Delhi. The predominant surface wind is likely to be from the north 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 12 kmph from northwest direction during the afternoon. The wind speed will decrease becoming up to 05 kmph from the northwest direction during evening and night.

20.02.2026: Mainly clear sky. Mist during morning hours. The maximum and minimum temperatures over Delhi are likely to be in the ranges of 27°C to 29°C and 12°C to 14°C respectively. The minimum temperature and the maximum temperature will be above 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 up to 10 kmph during the morning hours. The wind speed will increase becoming up to 16 kmph from northwest direction in the afternoon. The wind speed will decrease becoming up to 10 kmph from the west direction during evening and night.

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

- ❖ **Isolated** rainfall with **thunderstorm, lightning & gusty winds speed reaching (30-40 kmph)** likely over Nicobar, Haryana, Rajasthan on 17th & 18th, with **thunderstorm & lightning** likely over West Madhya Pradesh on 18th February.
- ❖ **Hailstorm activity** also likely at isolated places over Punjab, Haryana, East Rajasthan on 18th February.

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 kutchha 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.

Agromet advisories for likely impact of Hailstorms

- Use hail nets or hail caps in fruit orchards and vegetable plants to protect them from mechanical damage in **Punjab, Haryana and East Rajasthan.**

Agromet advisories for likely impact of Above normal Temperatures

- In **Intermediate Zone of Jammu and Kashmir**, apply light irrigation to wheat and mustard crops. Maintain optimum moisture in apple orchards.
- In **Himachal Pradesh**, provide protective irrigation to wheat and early vegetables. Maintain ventilation in polyhouses for capsicum and tomato.
- In **Punjab**, maintain optimum soil moisture through irrigation in mustard, gobhi sarson and potato.
- In **Haryana**, provide light irrigation to mustard and gram at flowering and pod formation stages.
- In **Uttarakhand**, provide light and frequent irrigation in wheat, lentil, chickpea and mustard during critical growth stages (flowering and grain filling in wheat, pod formation in mustard and gram etc.).
- In **Western Uttar Pradesh**, provide light and frequent irrigation in wheat, mustard and chickpea, potato and early planted sugarcane.
- In **Rajasthan**, provide protective irrigation in cumin, isabgol, mustard and gram.
- In **East Arunachal Pradesh**, provide light irrigation to potato, cabbage, mustard, and peas in the morning to maintain adequate moisture.
- In **East Assam**, apply irrigation in rice crop during the tillering stage to maintain the optimum water level. Irrigate cauliflower as needed.
- Take appropriate action for conservation of soil moisture through mulching, proper field bunding, and avoiding unnecessary intercultivation.

Livestock / Poultry

- Provide clean, hygienic and plenty of drinking water to animals.
- To reduce the effect of heat wave/high temperature, cover the roof of poultry sheds with grass.

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.

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 Snow



Cold Wave



Heavy Rain



Dust Storm



Cold Day



Very Heavy Rain



Heat Wave



Ground Frost



Extremely Heavy Rain



Warm Night



Thunder & Lightning



Hot Day



Hailstorm



Hot & Humid



Dust Raising Winds



Strong Surface Winds

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 $\geq 40^{\circ}\text{C}$ 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 $\geq 6.5^{\circ}\text{C}$

(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 62-67 kmph

Very Severe: Wind speed > 67 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 Storm: 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

(Service to the Nation since 1875)