



Government of India  
Ministry of Earth Sciences  
India Meteorological Department



Press Release

Date: 20<sup>th</sup> February 2026

Time of Issue: 1330 hours

**Subject: (i) Heavy rainfall likely at isolated places over south Tamil Nadu and south Kerala on 21<sup>st</sup> & 22<sup>nd</sup> February.  
(ii) Gradual rise in maximum temperature by 2-4°C likely over Northwest India during next 7 days.**

**Realised weather during past 24 hours ending at 0830 hours IST of today, the 20<sup>th</sup> February, 2026:**

- ❖ **Dense to very Dense fog (visibility <50 m) conditions** prevailed in isolated pockets of East Uttar Pradesh and **dense fog (visibility 50-199 m) conditions** in isolated pockets over Punjab and Haryana.
- ❖ **Visibility Reported (In Meters <200 m): East Uttar Pradesh:** Kushinagar 0m; **Haryana:** Narnaul 100m; **Punjab:** Amritsar 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, northeast Rajasthan, Sikkim, Assam & Meghalaya, Nagaland and **12-15°C** over Delhi, Uttar Pradesh, Rajasthan, Madhya Pradesh, Jharkhand and Sub-Himalayan West Bengal.
- ❖ **Minimum Temperature Departures** were **above normal (1.6°C to 3.1°C)** over Himachal Pradesh, Haryana, Uttar Pradesh, West Rajasthan, Madhya Pradesh, Bihar, Saurashtra & Kutch, Maharashtra, Odisha, Kerala & Mahe and **near normal** over rest parts of the country.
- ❖ The **lowest minimum temperature** of **8.5°C** was observed at **Narnaul (Haryana)** over the plains of India.
- ❖ The **highest maximum temperature** of **37.0°C** was observed at **Kottayam (Kerala)** over the plains of India.
- ❖ **Maximum temperatures** were in the range of **34-37°C** over Maharashtra, Rayalaseema, Telangana, Tamil Nadu, Kerala & Mahe; **30-34°C** over many parts of Central, West & East India, remaining parts of south Peninsular India, West Rajasthan, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura; **25-30°C** over Punjab, Haryana, Chandigarh & Delhi, East Rajasthan and Uttar Pradesh.
- ❖ **Maximum Temperatures** were also appreciably above normal by **3-5°C** over Jammu-Kashmir, Himachal Pradesh, Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, Bihar, Nagaland, Manipur, Mizoram & Tripura; by **2-3°C** over West Rajasthan, Vidarbha, Jharkhand, Gangetic West Bengal, Chhattisgarh, Gujarat State and **near normal** over rest parts of the country.

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

- ❖ The **Low Pressure Area** over the Equatorial Indian Ocean & adjoining southwest Bay of Bengal became less marked at 0830 hrs IST of today, the 20<sup>th</sup> February, 2026. However, the associated **upper air cyclonic circulation** lay over the same region extending upto 3.1 km above mean sea level. It is likely to move west-northwestwards towards Sri Lanka during the next 24 hours.
- ❖ The **upper air cyclonic circulation** over the Equatorial Indian Ocean & adjoining southeast Bay of Bengal extending upto 5.8 km above mean sea level persisted over the same region at 0830 hrs IST of today, the 20<sup>th</sup> February, 2026. Under its influence a **low pressure area** is likely to form over the same region during the next 48 hours. It is likely to move west-northwestwards thereafter.
- ❖ A **trough** runs from the cyclonic circulation over Equatorial Indian Ocean & adjoining southwest Bay of Bengal to the Lakshadweep area across south Tamil Nadu and south Kerala in lower and middle tropospheric levels.
- ❖ The **Western Disturbance** now seen as trough from central Uttar Pradesh to north Gujarat across East Rajasthan in middle tropospheric levels.
- ❖ An **upper air cyclonic circulation** lies over south Haryana and adjoining Punjab in lower tropospheric levels.
- ❖ An **upper air cyclonic circulation** lies over northeast Assam in lower tropospheric levels.
- ❖ An **upper air cyclonic circulation** lies over East Bangladesh & neighbourhood in lower tropospheric levels.
- ❖ **Subtropical westerly Jet Stream** with core winds of the order of 95 knots at 12.6 km above mean sea level prevails over Northeast India.
- ❖ A feeble **Western Disturbance** is likely to affect Western Himalayan region from 22<sup>nd</sup> February.

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

- ❖ **Heavy rainfall** likely at isolated places over south Tamil Nadu and south Kerala on 21<sup>st</sup> & 22<sup>nd</sup> February.
- ❖ **Isolated to Scattered** light/moderate rainfall with **thunderstorm, lightning & gusty winds speed reaching (30-40 kmph)** likely over Andaman & Nicobar Islands on 20<sup>th</sup>; Tamil Nadu, Kerala & Mahe on 21<sup>st</sup> & 22<sup>nd</sup>; with **thunderstorm & lightning** likely over Uttarakhand on 22<sup>nd</sup>; Vidarbha on 23<sup>rd</sup>, Chhattisgarh & Odisha on 23<sup>rd</sup> & 24<sup>th</sup>; Kerala & Mahe on 20<sup>th</sup> & 23<sup>rd</sup>; South Interior Karnataka during 21<sup>st</sup>-24<sup>th</sup> and Coastal & North Interior Karnataka during 22<sup>nd</sup>-24<sup>th</sup> February.
- ❖ **Isolated** rainfall/snowfall likely over Jammu-Kashmir & Himachal Pradesh on 22<sup>nd</sup> & 23<sup>rd</sup> and Uttarakhand during 22<sup>nd</sup>-24<sup>th</sup> February.

**Forecast of minimum temperatures:**

- ❖ No significant change in minimum temperature likely over Maharashtra during next 4 days and gradual fall by 2-4°C during subsequent 3 days.
- ❖ No significant change in minimum temperature likely over Gujarat State during next 2 days and gradual fall by 2-3°C during subsequent 5 days.
- ❖ No significant change in minimum temperatures likely over rest parts of the country.

**Forecast of maximum temperatures:**

- ❖ Gradual rise in maximum temperature by 2-4°C likely over Northwest India during next 7 days.
- ❖ Gradual rise in maximum temperature by 2-3°C likely over Central India during next 2 days and no significant change during subsequent 5 days.
- ❖ Gradual rise in maximum temperature by 2-3°C likely over Gujarat State and Maharashtra during next 2-3 days and gradual fall by 2-3 °C during subsequent 4-5 days.

**Fisherman Warning:**

Fishermen are advised not to venture into the following areas:

- ❖ **Bay of Bengal:** Over many parts of southeast Bay of Bengal and adjoining Equatorial Indian Ocean (EIO), adjoining parts of south Andaman Sea, over Gulf of Mannar, Comorin area, along and off west Sri Lanka coast on 20<sup>th</sup> February; over some parts of southwest & southeast Bay of Bengal, along and off Kerala coast, over Lakshadweep area on 21<sup>st</sup> February; over some parts of southwest Bay of Bengal, along and off east Sri Lanka coast, along and off Kerala coast, over Lakshadweep area on 22<sup>nd</sup> February.
- ❖ **Arabian Sea:** No warning.

**Weather conditions and forecast over Delhi/NCR during 20<sup>th</sup> -23<sup>rd</sup> February, 2026 (ANNEXURE III)**

**For more details, kindly refer National Weather Bulletin:**

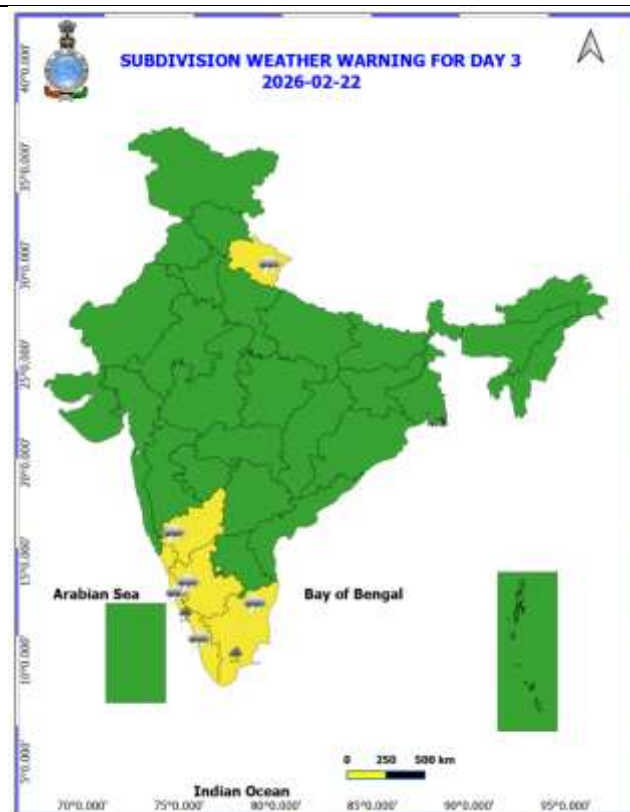
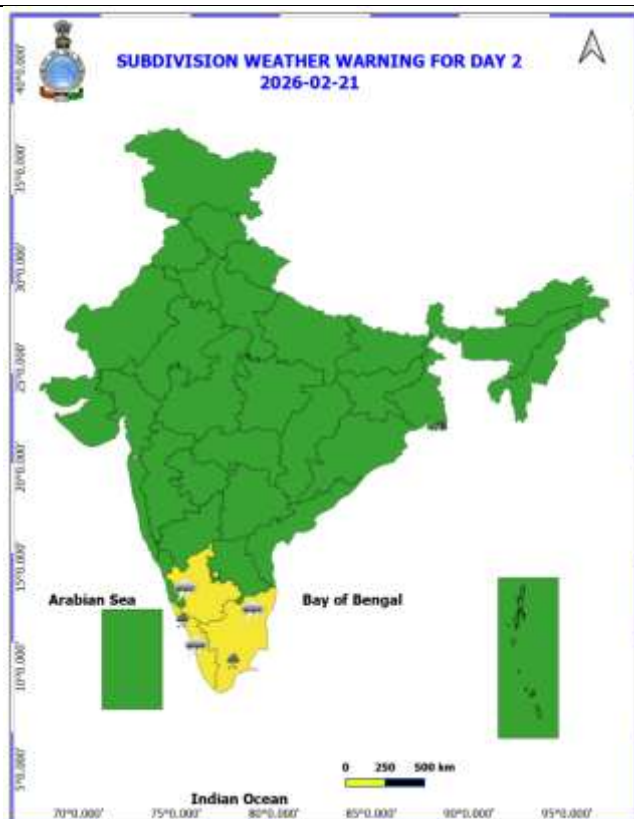
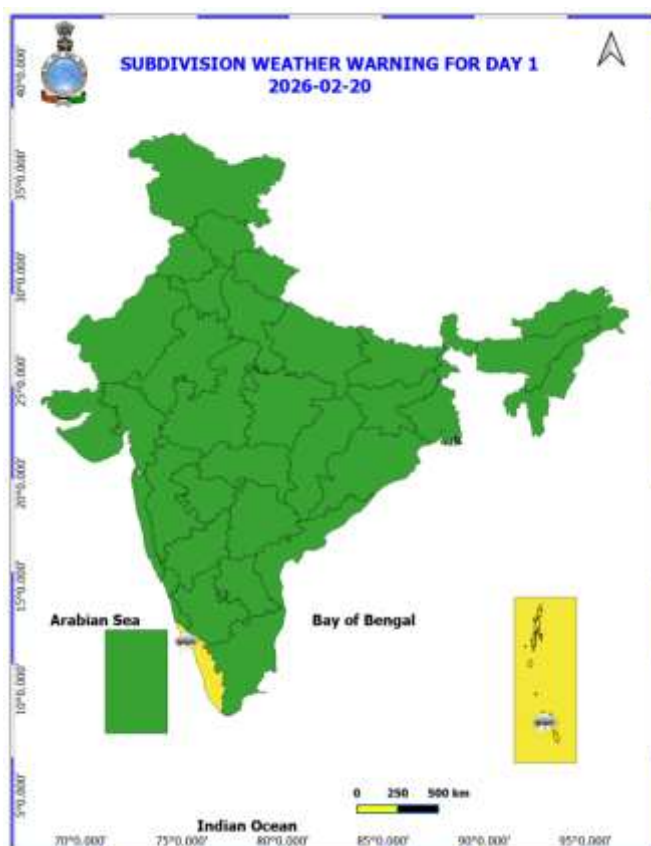
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**For District wise warnings refer:** <https://mausam.imd.gov.in/responsive/districtWiseWarningGIS.php>

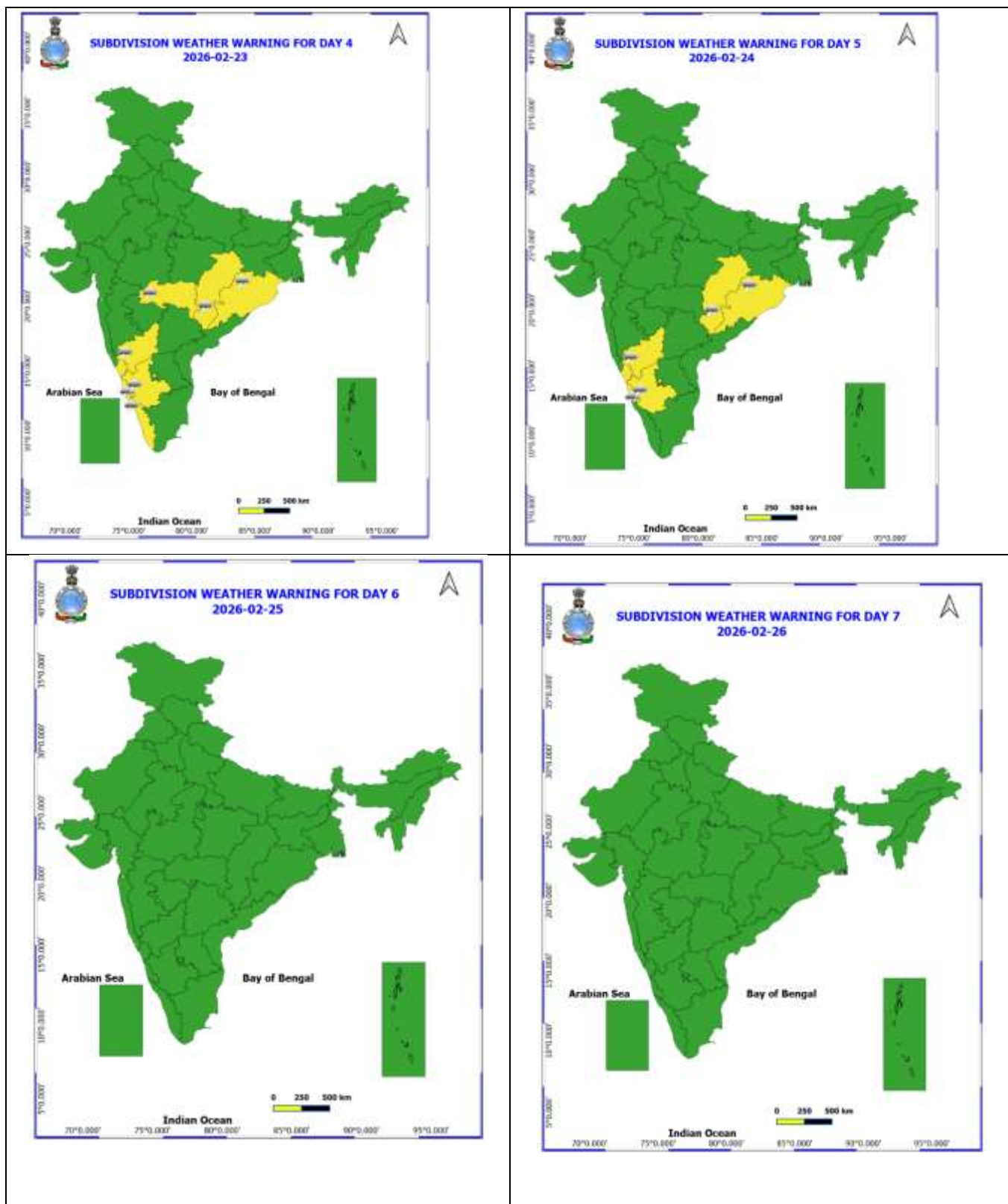
**For Fishermen warning refer** <https://rsmcnewdelhi.imd.gov.in/fishermen-warning.php>

Table-1								
7 Days Rainfall Forecast								
S.No.	Subdivision	20- Feb	21- Feb	22- Feb	23- Feb	24- Feb	25- Feb	26- Feb
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	SCT	SCT	DRY	DRY	DRY	DRY	DRY
2	ARUNACHAL PRADESH	ISOL	DRY	DRY	ISOL	ISOL	ISOL	ISOL
3	ASSAM & MEHGHALAYA	ISOL	DRY	DRY	DRY	ISOL	ISOL	ISOL
4	NAGALAND, MANIPUR, MIZORAM AND TRIPURA	DRY	DRY	DRY	DRY	ISOL	ISOL	DRY
5	SUB HIMALAYAN WEST BENGAL & SIKKIM	ISOL	DRY	DRY	ISOL	ISOL	DRY	DRY
6	GANGETIC WEST BENGAL	DRY	DRY	DRY	ISOL	ISOL	DRY	DRY
7	ODISHA	DRY	DRY	DRY	ISOL	ISOL	DRY	DRY
8	JHARKHAND	DRY	DRY	DRY	DRY	ISOL	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	DRY	ISOL	ISOL	DRY	DRY
13	HARYANA, CHANDIGARH & DELHI	DRY	DRY	DRY	DRY	DRY	DRY	DRY
14	PUNJAB	DRY	DRY	DRY	DRY	DRY	DRY	DRY
15	HIMACHAL PRADESH	DRY	DRY	DRY	ISOL	DRY	DRY	DRY
16	JAMMU AND KASHMIR AND LADAKH	DRY	DRY	DRY	DRY	DRY	DRY	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	ISOL	DRY	DRY	ISOL	DRY	DRY	DRY
20	EAST MADHYA PRADESH	ISOL	DRY	DRY	ISOL	ISOL	DRY	DRY
21	GUJRAT REGION	ISOL	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	ISOL	ISOL	DRY	DRY	DRY
25	MARATHWADA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
26	VIDARBHA	DRY	DRY	DRY	ISOL	ISOL	DRY	DRY
27	CHHATTISGARH	DRY	DRY	DRY	ISOL	ISOL	DRY	DRY
28	COASTAL ANDHRA PRADESH	DRY	DRY	ISOL	ISOL	ISOL	DRY	DRY
29	TELANGANA	DRY	DRY	ISOL	ISOL	ISOL	DRY	DRY
30	RAYALASEEMA	DRY	ISOL	ISOL	ISOL	ISOL	DRY	DRY
31	TAMILNADU & PUDUCHERRY	ISOL	SCT	SCT	ISOL	ISOL	ISOL	ISOL
32	COSTAL KARNATAKA	DRY	DRY	ISOL	ISOL	DRY	DRY	DRY
33	NORTH INTERIOR KARNATAKA	DRY	DRY	ISOL	ISOL	ISOL	DRY	DRY
34	SOUTH INTERIOR KARNATAKA	DRY	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
35	KERALA AND MAHE	SCT	FWS	FWS	SCT	ISOL	ISOL	ISOL
36	LAKSHADWEEP	SCT	SCT	FWS	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 MultiHazard weather warning for next five days available at  
<https://mausam.imd.gov.in/responsive/districtWiseWarningGIS.php>

**Weather forecast over Delhi/NCR during 20<sup>th</sup> to 23<sup>rd</sup> February 2026****Past Weather:**

There has been rise in minimum temperatures up to 1 - 2°C and rise in maximum temperatures by 05 - 07°C during past 24 hours over Delhi. The maximum temperatures over Delhi were around 25 -28°C and the minimum temperatures are around 13°C-14°C respectively. The minimum temperatures are above normal (1.6°C to 3.0°C) at few places and normal (-1.5°C to 1.5°C) at many places over Delhi. The maximum temperatures are appreciably above normal (3.1°C to 5.0°C) at few places and above normal (1.6°C to 3.0°C) at isolated places and normal (-1.5°C to 1.5°C) over the remaining parts of Delhi. Mainly clear sky with wind speed reaching up to 12 kmph from the northwest direction prevailed over past 24 hours. Mainly clear sky. Surface wind speed reaching up to 08 kmph from the southwest direction to be prevailed over the region in the forenoon today.

**Weather Forecast:**

**20.02.2026:** Mainly clear sky. Mist during night. The maximum temperatures are likely to be in the range of 27°C to 29°C. The maximum temperatures will be above normal (1.6 to 3.0°C) over Delhi. The predominant surface wind is likely to be from the northwest direction reaching up to 10 kmph during the afternoon hours. The wind speed will decrease becoming up to 08 kmph from the west direction during evening and night.

**21.02.2026:** Mainly clear sky. Mist during morning hours. The maximum and minimum temperatures over Delhi are likely to be in the range of 27°C to 29 °C and 12°C to 14°C respectively. The minimum temperatures will be near normal and the maximum temperatures will be above normal (1.6°C to 3.0°C) over Delhi. The predominant surface wind is likely to be from the west direction with wind speed reaching up to 10 kmph during the morning hours. The wind speed will increase becoming up to 15 kmph from northwest direction during the afternoon. The wind speed will decrease becoming up to 05 kmph from the south direction during evening and night.

**22.02.2026:** Mainly clear sky. Mist during morning hours. The maximum and minimum temperatures over Delhi are likely to be in the range of 28°C to 30°C and 12°C to 14°C respectively. The minimum temperatures will be near normal and the maximum temperatures will be appreciably above normal (3.1°C to 5.0°C) over Delhi. The predominant surface wind is likely to be from the southwest 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 15 kmph from southeast direction during the afternoon. The wind speed will decrease becoming up to 10 kmph from the east direction during evening and night.

**23.02.2026:** Mainly clear sky. Mist during morning hours. The maximum and minimum temperatures over Delhi are likely to be in the ranges of 29°C to 31°C and 13°C to 15°C respectively. The minimum temperatures will be above normal (1.6°C to 3.0°C) and the maximum temperatures will be appreciably above normal (3.1°C to 5.0°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 15 kmph from northeast direction in the afternoon. The wind speed will decrease becoming up to 10 kmph from the northeast direction during evening and night.

### Agromet advisories for likely impact of Heavy Rainfall

- In **south Tamil Nadu** and **south Kerala**, undertake harvesting of matured paddy and shift the harvested produce to safer places. Clean and open drainage channels and strengthen field bunds in paddy and low-lying vegetable fields to avoid water stagnation. Provide staking in banana and support to vegetables in pandals.

### 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

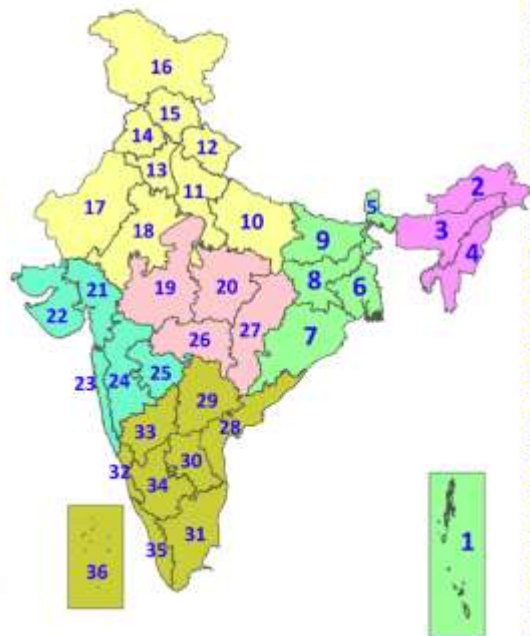
32. तटीय कर्नाटक

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  $4.5^{\circ}\text{C}$  to  $6.4^{\circ}\text{C}$ .

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

Warm Night: When minimum temperature departure  $4.5^{\circ}\text{C}$  to  $6.4^{\circ}\text{C}$ .

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  $-4.5^{\circ}\text{C}$  to  $-6.4^{\circ}\text{C}$ .

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  $-4.5^{\circ}\text{C}$  to  $-6.4^{\circ}\text{C}$ .

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)

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