Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release
Date: 06th February, 2025
Time of Issue: 1300 hours IST

Subject: A fresh wet spell likely over Western Himalayan Region during 08th -12th February.

i. Realised weather during past 24 hours till 0830 hours IST of today (Annexure I)

- **Cold Day conditions** prevailed in isolated pockets of Himachal Pradesh and West Madhya Pradesh.
- **Dense to very dense fog conditions (visibility < 50 m)** reported in isolated pockets of Meghalaya and **dense fog (visibility 50-199 m)** reported in isolated pockets of Odisha.
- **Ground Frost conditions** reported in isolated pockets of Uttarakhand.
- **Light rainfall/snowfall** occurred at a few places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and at isolated places over Himachal Pradesh & Uttarakhand.

ii. Weather Systems, Forecast and warning (Annexure II & III):

- A **Western Disturbance** seen as a cyclonic circulation over north Pakistan and adjoining Jammu region with a trough aloft in middle tropospheric levels runs roughly along Long. 72°E to the north of Lat. 30°N.
- A **cyclonic circulation** lies over central Assam & neighbourhood in lower tropospheric levels. Under its influence,
  - ✓ Isolated to scattered light to moderate rainfall accompanied with thunderstorm & lightning likely over Arunachal Pradesh and northeast Assam on 06th & 07th February.
- Another **fresh Western Disturbance** is likely to affect Western Himalayan Region from 08th February, 2025. Under its influence,
  - ✓ Isolated to scattered light rainfall/snowfall activity likely over Western Himalayan Region during 08th-12th February, 2025.

Temperature, Cold wave and Fog Forecast:

(Temperature Conditions during past 24 hours till 0830 hours IST of today is provided in **Annexure IV**)

Forecast of temperature:

- No significant change in minimum temperatures likely over Northwest India & Maharashtra during next 24 hours and gradual rise by 2-3°C during subsequent 4 days.
- Gradual fall in minimum temperatures by 2-3°C likely over Central India during next 3 days and no significant change during subsequent 2 days.
- Gradual fall in minimum temperatures by 3-5°C likely over East India during next 2 days and no significant change during subsequent 3 days.
- Gradual rise in minimum temperatures by 2-3°C likely over Gujarat state during next 2-3 days and no significant change thereafter.
- Maximum temperatures are likely to be above normal by 3-5°C over north Peninsular & East India during next 4-5 days.

Dense Fog Warnings:

- **Dense fog conditions** very likely to continue to prevail during early morning hours in isolated pockets of Himachal Pradesh and Odisha till 08th February.

Cold Wave Warnings:

- **Cold Wave conditions** very likely in isolated pockets of Himachal Pradesh and Rajasthan on 06th February.

iii. Weather conditions and forecast over Delhi/NCR during 06th Feb. to 09th Feb. 2025 (Annexure V)

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

ANNEXURE I

Significant rainfall recorded during past 24 hours till 0830 hours IST of today 06.02.2025 (in cm):

- **Jammu-Kashmir:** Kishtwar (dist Kistwar) 2;
- **Himachal Pradesh:** Manali (dist Kullu) 2

Visibility reported (≤200 m) (in meter):

- **Meghalaya:** Barapani 30; **Odisha:** Bhubaneswar 100.

Impact expected due to dense fog in the night /morning hours over Himachal Pradesh and Odisha

- 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:

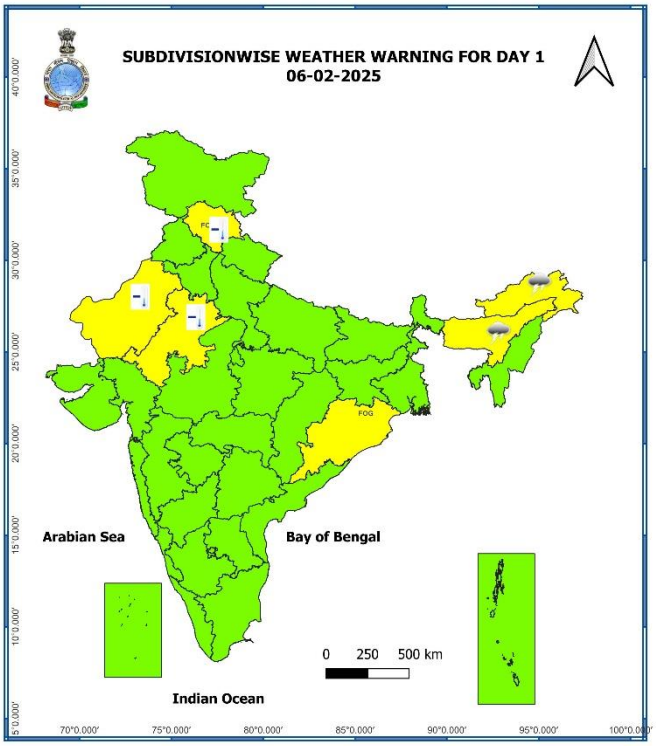
- Transport and Aviation:
  - Be careful while driving or outing through any transport.
  - Use fog lights during driving.
  - Be in touch with airlines, railways and state transport for schedule of your journey.
- Power Sector:
  - To keep ready Maintenance Team.
  - Human Health: To avoid outing until unless emergency and to cover the face.

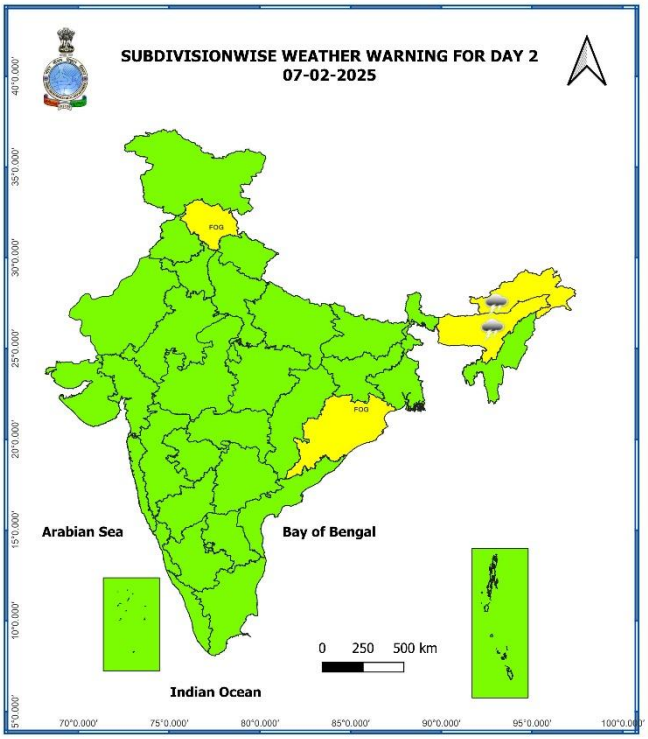
ANNEXURE II

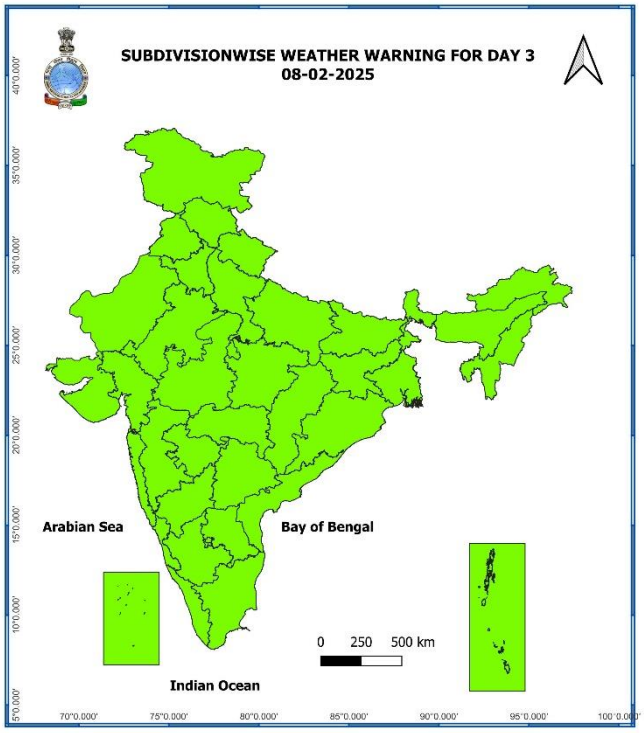
7 Days Rainfall Forecast								
S. No.	Subdivision	06-Feb	07-Feb	08-Feb	09-Feb	10-Feb	11-Feb	12-Feb
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	ISOL	ISOL	ISOL	ISOL	DRY	DRY	DRY
2	ARUNACHAL PRADESH	SCT	SCT	ISOL	ISOL	SCT	FWS	FWS
3	ASSAM & MEGHALAYA	ISOL	ISOL	DRY	DRY	ISOL	ISOL	ISOL
4	NAGALAND, MANIPUR, MIZORAM & TRIPURA	ISOL	ISOL	DRY	DRY	DRY	ISOL	ISOL
5	SUB-HIMALAYAN WEST BENGAL & SIKKIM	ISOL	ISOL	DRY	DRY	ISOL	ISOL	ISOL
6	GANGETIC WEST BENGAL	DRY	DRY	DRY	DRY	DRY	DRY	DRY
7	ODISHA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
8	JHARKHAND	DRY	DRY	DRY	DRY	DRY	DRY	DRY
9	BIHAR	DRY	DRY	DRY	DRY	DRY	DRY	DRY
10	EAST UTTAR PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
11	WEST UTTAR PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
12	UTTARAKHAND	DRY	DRY	DRY	ISOL	ISOL	ISOL	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	ISOL	ISOL	ISOL	ISOL	ISOL
16	JAMMU & KASHMIR AND LADAKH	DRY	DRY	ISOL	SCT	SCT	SCT	ISOL
17	WEST RAJASTHAN	DRY	DRY	DRY	DRY	DRY	DRY	DRY
18	EAST RAJASTHAN	DRY	DRY	DRY	DRY	DRY	DRY	DRY
19	WEST MADHYA PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
20	EAST MADHYA PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
21	GUJARAT 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	MARATHAWADA	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 & YANAM	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 & KARAIKAL	DRY	DRY	DRY	DRY	DRY	DRY	DRY
32	COASTAL 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 & MAHE	DRY	DRY	DRY	DRY	DRY	ISOL	DRY
36	LAKSHADWEEP	DRY	DRY	DRY	DRY	DRY	DRY	DRY

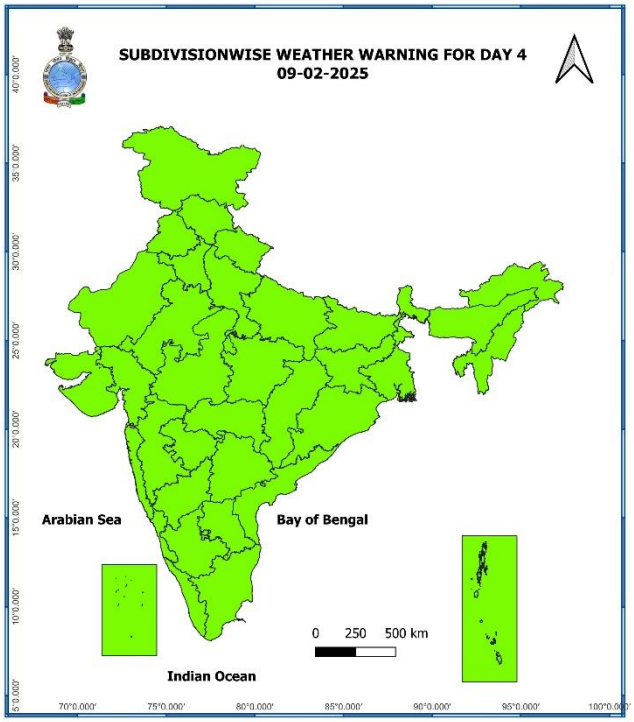
- **As the lead period increases forecast accuracy decreases**

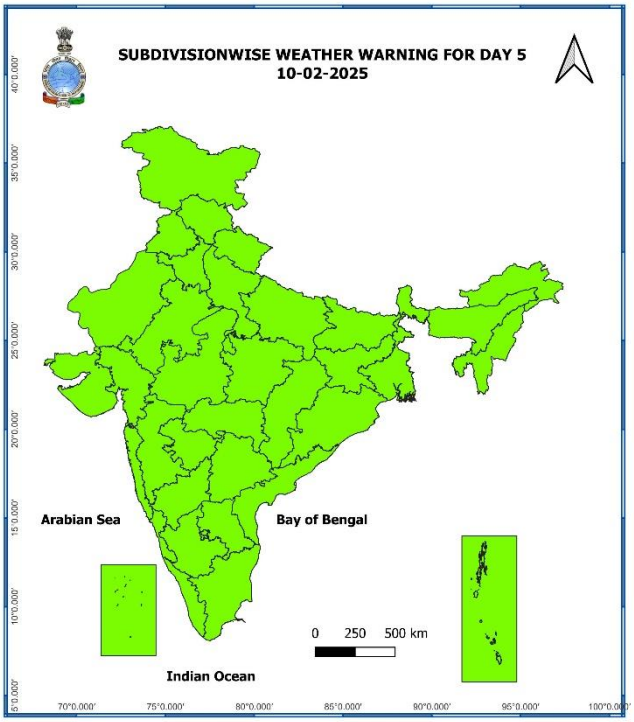
ANNEXURE III

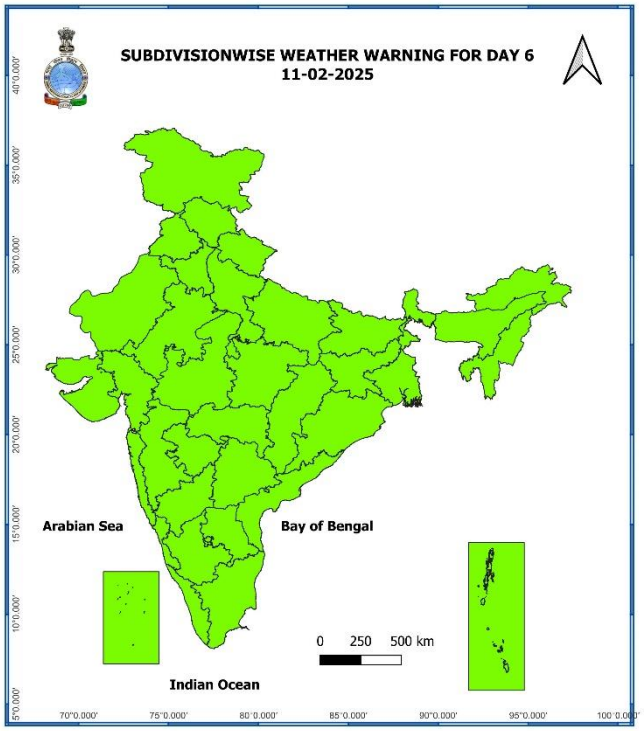


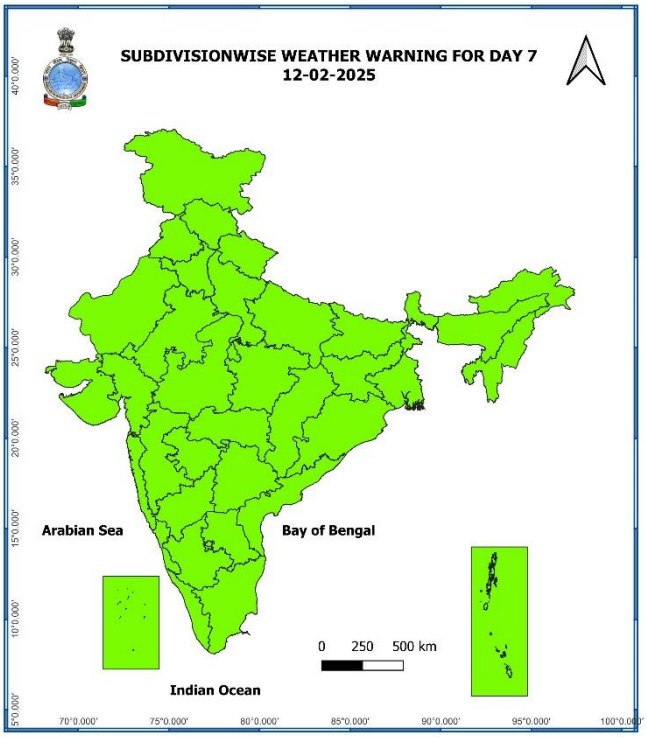












- **Action may be taken based on ORANGE AND RED COLOUR warnings.**
- **Vulnerable regions likely urban and hilly areas action may be initiated for heavy rainfall warning.**
- **As the lead period increases forecast accuracy decreases.**

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

- Minimum temperatures are in the range of **5-12°C** over many parts of plains of Northwest India; **12-20°C** over many parts of Central, East & West India. Today, the lowest minimum temperature of **3.5°C** is reported at **Sikar (East Rajasthan)** over the plains of the country.

- During the past 24 hours, **minimum temperatures has fallen by 1-4^{0}C** over many parts of Northwest & Central India; in some parts of Saurashtra & Kutch and **risen by 1-4^0** over many parts of East India; in some parts of Northeast India; at isolated places over Karnataka & Coastal Andhra Pradesh & Yanam.

- Minimum temperatures are **above normal (2°C or more)** in most parts of East India; in some parts of Central, West & Northeast India. These are **below normal (-1°C to -3°C)** at isolated places over Rajasthan, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Haryana-Chandigarh-Delhi, Saurashtra & Kutch, East Uttar Pradesh and near normal over rest parts of the country.

- Maximum temperatures are in the range of **35-39°C** over many parts of Odisha & Coastal Andhra Pradesh & Yanam; in some parts of Telangana, at isolated places over Chhattisgarh, Rayalaseema and Kerala & Mahe. Yesterday, the highest **maximum temperature** of **38.4°C** was reported at **Nandigama (Coastal Andhra Pradesh)** over the plains of the country.

- Maximum temperatures were **markedly above normal (5°C or above)** at a few places over Chhattisgarh; at isolated places over Odisha, Jharkhand; **appreciably above normal (3°C to 5°C)** at isolated places over East Uttar Pradesh, Bihar, Gangetic West Bengal, East Madhya Pradesh, Vidarbha, Telangana, Coastal Andhra Pradesh & Yanam; **above normal (1°C to 3°C)** at a few places over Marathwada, Rayalaseema; at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, West Uttar Pradesh, West Madhya Pradesh, Madhya Maharashtra, North Interior Karnataka, Tamil Nadu, Puducherry & Karaikal. These were **below normal (-1°C to -3°C)** at isolated places over Himachal Pradesh, East Rajasthan, Gujarat state and near normal over rest parts of the country.

Fig. 1: Maximum Temperatures

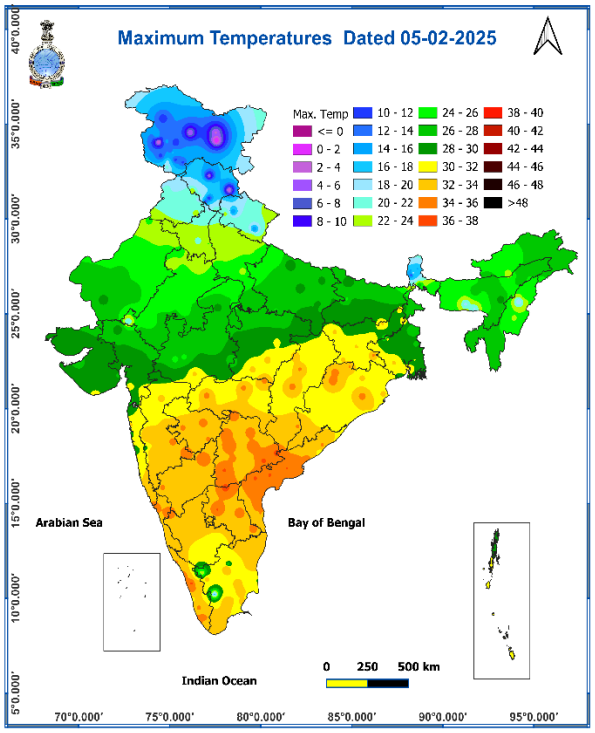


Fig. 2: Departure of Maximum Temperatures

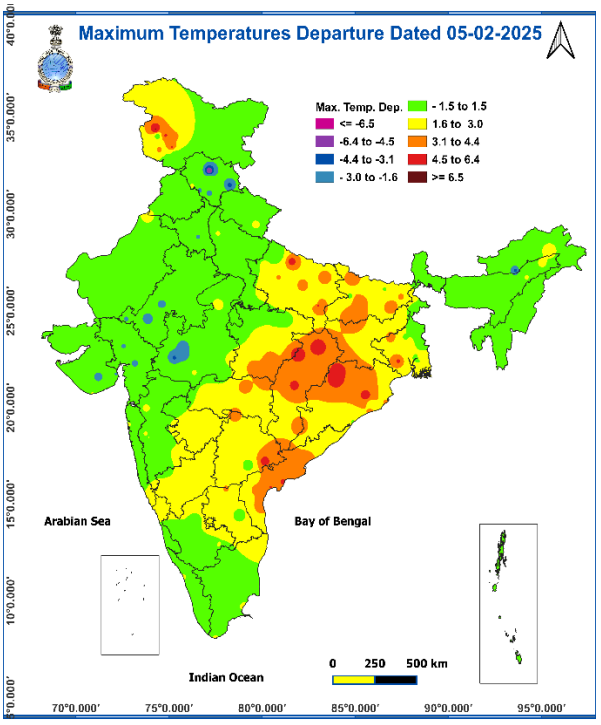


Fig. 3: Minimum Temperatures

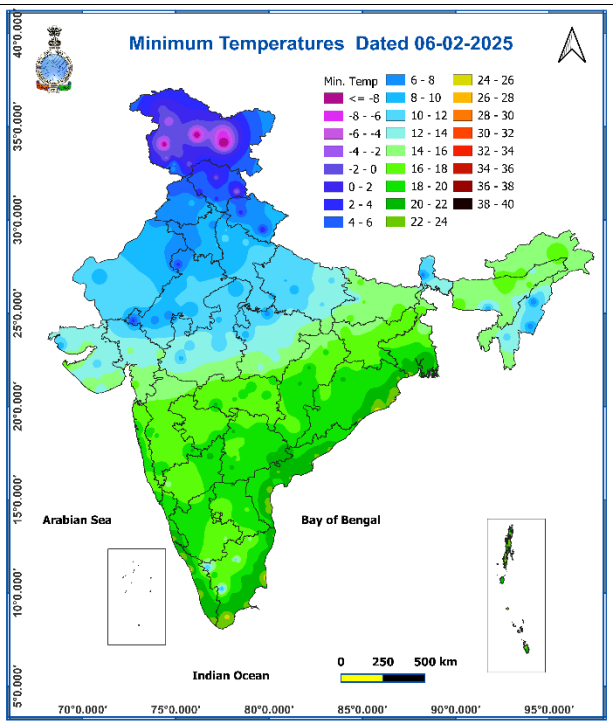
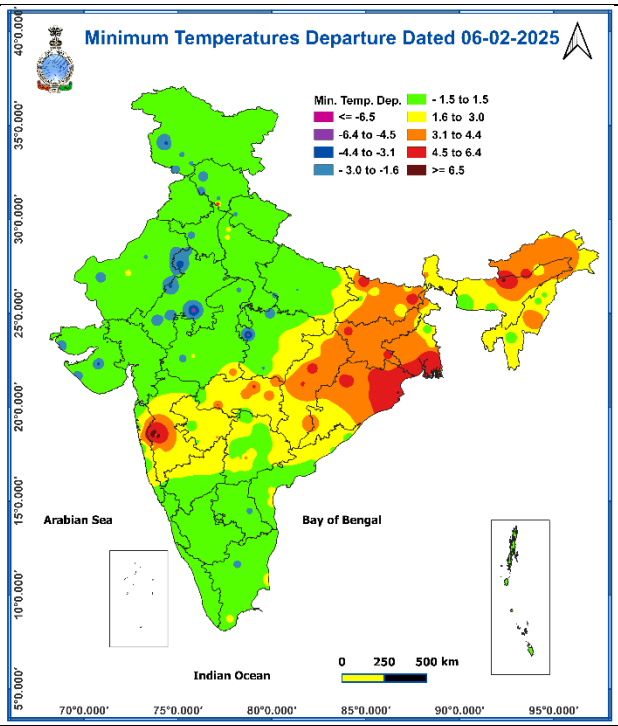


Fig. 4: Departure of Minimum Temperatures



ANNEXURE V

Weather forecast over Delhi/NCR during 06th Feb. to 09th Feb. 2025

Past Weather:

There has been a fall in minimum temperatures upto 01 - 03 °C over Delhi/NCR during the past 24 hours. The Maximum and Minimum temperatures over Delhi are in the range of 22 to 25°C and 08 to 10°C respectively. The minimum temperature was below normal upto 02°C and maximum temperature was near normal over most places. Mainly clear sky conditions with predominant surface wind from the northwest direction with wind speed reaching 08 to 10 kmph prevailed during the past 24 hours. Mainly clear sky conditions with wind speed less than 12 kmph northwest direction prevailed over the region in the forenoon today.

Weather Forecast:

06.02.2025: Mainly clear sky. The predominant surface wind will likely to be from northwest direction with a wind speed of less than 20 kmph till evening. It would decrease thereafter becoming less than 12 kmph from the northwest direction during the night.

07.02.2025: Mainly clear sky. The predominant surface wind is likely to be from the northwest direction with a wind speed less than 10 kmph during morning hours. Smog/mist likely in the morning. The wind speed will gradually increase thereafter becoming 14-16 kmph from the northwest direction during the afternoon. It will decrease further becoming less than 10 kmph from the northwest direction during evening and night.

08.02.2025: Mainly clear sky. The predominant surface wind will likely to be from the northwest direction with a wind speed of less than 08 kmph during morning hours. Smog/mist likely in the morning. The wind speed will gradually increase thereafter becoming 10-12 kmph from the northwest direction during the afternoon. It will decrease becoming less than 06 kmph from northwest direction during evening and night. Smog/mist is likely in the night.

09.02.2025: Partly cloudy sky. The predominant surface wind will likely to be from northwest direction with a wind speed of less than06 kmph during morning hours. Smog/shallow fog likely in the morning. The wind speed will gradually increase thereafter becoming 08-10 kmph from the northwest direction during the afternoon. It will increase becoming less than 06 kmph from northwest direction during evening and night. Smog/mist is likely in the night.

Legends & abbreviations:

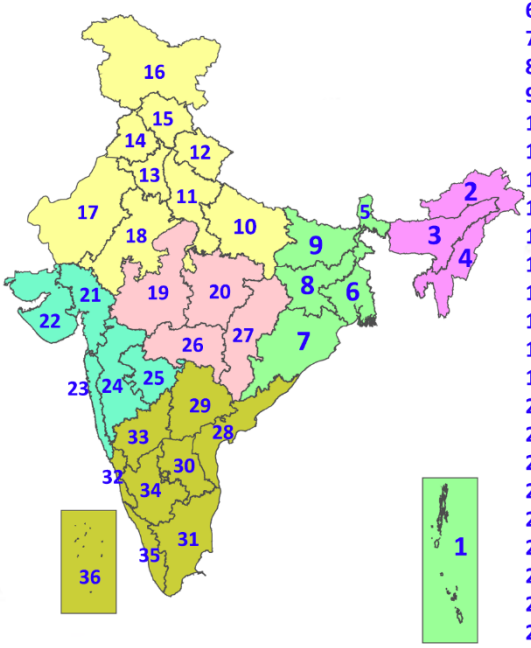
- **Heavy Rain:**64.5-115.5mm; **Very Heavy Rain:**115.6-204.4mm; **Extremely Heavy Rain:** >204.4mm.
- **Obsy:** Observatory; **AWS:** Automatic Weather Station; **ARG:** Automatic Rain Gauge; **dist:** District: **NH:** National Highway; **KVK**: Krishi Vigyan Kendra; **DVC:** Damodar Valley Corporation; **PTO**: Part Time Office, **Aero:** Aerodrome, **IAF:** Indian Air Force.
- **Region wise classification of meteorological Sub-Divisions:**
  - **Northwest India:** Western Himalayan Region (Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh and Uttarakhand); Punjab, Haryana-Chandigarh-Delhi; West Uttar Pradesh, East Uttar Pradesh, West Rajasthan and East Rajasthan.
  - **Central India:** West Madhya Pradesh, East Madhya Pradesh, Vidarbha and Chhattisgarh.
  - **East India:** Bihar, Jharkhand, Sub-Himalayan West Bengal & Sikkim; Gangetic West Bengal, Odisha and Andaman & Nicobar Islands.
  - **Northeast India:** Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
  - **West India:** Gujarat Region, Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra and Marathawada.
  - **South India:** Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Coastal Karnataka, North Interior Karnataka, South Interior Karnataka, Kerala & Mahe, Tamil Nadu, Puducherry & Karaikal and Lakshadweep.

राष्ट्रीय मौसम पूर्वानुमान केन्द्र
भारत मौसम विज्ञान विभाग
पृथ्वी विज्ञान मंत्रालय

National Weather Forecasting Centre
India Meteorological Department
Ministry of Earth Sciences

LEGENDS

1. अंडमान और निकोबार द्वीपसमूह
2. अरुणाचल प्रदेश
3. असम और मेघालय
4. नागालैंड, मणिपुर, मिजोरम और त्रिपुरा
5. उप-हिमालयी पश्चिम बंगाल और सिक्किम
6. गंगीय पश्चिम बंगाल
7. ओडिशा
8. झारखंड
9. बिहार
10. पूर्वी उत्तर प्रदेश
11. पश्चिम उत्तर प्रदेश
12. उत्तराखंड
13. हरियाणा, चंडीगढ़ और दिल्ली
14. पंजाब
15. हिमाचल प्रदेश
16. जम्मू और कश्मीर और लद्दाख
17. पश्चिम राजस्थान
18. पूर्वी राजस्थान
19. पश्चिम मध्य प्रदेश
20. पूर्वी मध्य प्रदेश
21. गुजरात
22. सौराष्ट्र
23. कोंकण और गोवा
24. मध्य महाराष्ट्र
25. मराठवाड़ा
26. विदर्भ
27. छत्तीसगढ़
28. तटीय आंध्र प्रदेश और यनम
29. तेलंगाना
30. रायलसीमा
31. तमिलनाडु, पुडुचेरी और कराईकल
32. तटीय कर्नाटक
33. आंतरिक उत्तरी कर्नाटक
34. आंतरिक दक्षिणी कर्नाटक
35. केरल और माहे
36. लक्षद्वीप



1. Andaman & Nicobar Islands
2. Arunachal Pradesh
3. Assam & Meghalaya
4. Nagaland, Manipur, Mizoram & Tripura
5. Sub-Himalayan West Bengal & Sikkim
6. Gangetic West Bengal
7. Odisha
8. Jharkhand
9. Bihar
10. East Uttar Pradesh
11. West Uttar Pradesh
12. Uttarakhand
13. Haryana, Chandigarh & Delhi
14. Punjab
15. Himachal Pradesh
16. Jammu & Kashmir and Ladakh
17. West Rajasthan
18. East Rajasthan
19. West Madhya Pradesh
20. East Madhya Pradesh
21. Gujarat
22. Saurashtra
23. Konkan & Goa
24. Madhya Maharashtra
25. Marathwada
26. Vidarbha
27. Chhattisgarh
28. Coastal Andhra Pradesh & Yanam
29. Telangana
30. Rayalaseema
31. Tamilnadu, Puducherry & Karaikal
32. Coastal Karnataka
33. North Interior Karnataka
34. South Interior Karnataka
35. Kerala & Mahe
36. Lakshadweep

SPATIAL DISTRIBUTION (% of Stations reporting)

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

Fog
Heavy Rain
Very Heavy Rain
Extremely Heavy Rain
Thunder & Lightning
Hailstorm
Dust Raising Winds

Heavy Snow
Dust Storm
Heat Wave
Warm Night
Hot Day
Hot & Humid
Strong Surface Winds

Cold Wave
Cold Day
Ground Frost

COLOUR CODED WARNING

- No Warning (No Action)
- Watch (Be Aware)
- Alert (Be Prepared To Take Action)
- Warning (Take Action)

Probabilistic Forecast

Terms	Probability of Occurrence (%)
Unlikely	< 25
Likely	25 - 50
Very Likely	50 - 75
Most Likely	> 75

* Red colour warning does not mean "Red Alert", Red colour warning means "Take Action".
Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day.
For more details, kindly visit https://mausam.imd.gov.in or contact: 011-2434-4599
(Service to the Nation since 1875)

DEFINITION/CRITERIA

Rain/ Snow *

- **Heavy:** 64.5 to 115.5 mm/cm *
- **Very Heavy:** 115.6 to 204.4 mm/cm*
- **Extremely Heavy:** > 204.4 mm/cm *

Heat Wave

When maximum temperature of a station reaches ≥40° C for plains and ≥30° C for hilly regions

(a) Based on Departure from normal

- **Heat Wave:** Maximum Temperature Departure from normal 4.5° C to 6.4° C.
- **Severe Heat Wave:** Maximum Temperature Departure from normal ≥6.5° C

(b). Based on Actual maximum temperature

- **Heat Wave:** When actual maximum temperature ≥45°C.
- **Severe Heat Wave:** When actual maximum temperature ≥47°C

(c). Criteria for heat wave for coastal stations

When maximum temperature departure is >4.5°C from normal. Heat Wave may be described provided maximum temperature ≥37°C

Warm Night

When maximum temperature remains 40°C

- **Warm Night:** When minimum temperature departure 4.5 °C to 6.4 °C.
- **Severe Warm Night:** When minimum temperature departure >6.4 °C.

Cold Wave

When minimum temperature of a station ≤10°C for plains and ≤0°C for hilly regions.

(a). Based on departure

- **Cold Wave:** Minimum Temperature Departure from normal -4.5 °C to -6.4 °C.
- **Severe Cold Wave:** Minimum Temperature Departure from normal ≤ -6.5 °C

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

- **Cold Wave :** When Minimum Temperature is ≤ 4.0 °C
- **Severe Cold Wave:** When Minimum Temperature is ≤ 2.0 °C

(c) For Coastal Stations

When Minimum Temperature departure is ≤-4.5 °C & actual Minimum Temperature is ≤ 15 °C

Cold Day

When minimum temperature of a station ≤10°C for plains and ≤0°C for hilly regions

Based on departure

- **Cold Day:** Maximum Temperature Departure from normal -4.5 °C to -6.4 °C.
- **Severe Cold Day:** Maximum Temperature Departure from normal ≤ -6.5 °C

Fog

Phenomenon of small droplets suspended in air and the horizontal visibility < 1km

- **Moderate Fog:** When the visibility between 500-200 metres
- **Dense Fog:** when the visibility between 50- 200 metres
- **Very Dense Fog:** when the visibility < 50 metres

Thunderstorm

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

Dust/Sand Storm

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

Frost

Ice deposits on ground

- Air temperature ≤4°C (over Plains)

Squall

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

- **Moderate**: Wind speed 52-61 kmph
- **Severe**: Wind speed 62-87 kmph
- **Very Severe**: Wind speed >87 kmph

Sea State

Effect of various waves in the sea over specific area

- **Rough to very rough**: Wind speed 41-62 kmph (22-33 knots) & Wave height 2.5-6 metre
- **High to very high**: Wind speed 63-117 kmph (34-63 knots) & Wave height 6-14 metre
- **Phenomenal**: Wind speed >117 kmph (>63 knots) & Wave height >14 metre

Cyclone

- **Cyclonic Storm**: Wind speed 62-87 kmph (34-47 knots)
- **Severe Cyclonic Storm**: Wind speed 88-117 kmph (48-63 knots)
- **Very Severe Cyclonic Storm**: Wind speed 118-165 kmph (64 - 89 knots)
- **Extremely Severe Cyclonic Storm**: Wind speed 166-220 kmph (90 -119 knots)
- **Super Cyclone Strom**: Wind speed >220 kmph (>119 knots)

* 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)