



Government of India
Ministry of Earth Sciences
India Meteorological Department



Press Release

Date: 18th February, 2025

Time of Issue: 1250 hours IST

Subject: a) Wet spell over Western Himalayan Region likely to continue till 22nd and over plains of northwest India on 19th & 20th February, 2025.
b) Maximum temperatures are likely to be above normal by 2-4°C over many parts of Northwest, Central and north Peninsular India during next 4-5 days.

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

Temperature:

- ❖ During Past 24 hours, Day temperatures have risen by 1-3°C at many places over Uttarakhand, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Punjab, Haryana, Rajasthan, Madhya Pradesh, Chhattisgarh, Odisha, Maharashtra, Karnataka and Kerala & Mahe. It has fallen by 1-3°C at some places over Tamilnadu Puducherry & Karaikal; at isolated places over Himachal Pradesh, Bihar, Assam & Meghalaya and Gangetic West Bengal.
- ❖ Day temperatures were **markedly above normal (5.1°C or more)** at isolated places over Jammu-Kashmir-Ladakh Gilgit-Baltistan-Muzaffarabad, Haryana-Chandigarh-Delhi; **appreciably above normal (3.1°C to 5.0°C)** at a few places over Vidarbha; at isolated places over Himachal Pradesh, West Rajasthan, Madhya Pradesh, East Uttar Pradesh, Chhattisgarh, Odisha, Marathwada, Madhya Maharashtra, Gujarat state, Gangetic West Bengal; **above normal (1.6°C to 3.0°C)** at isolated places over West Uttar Pradesh, Bihar, Rayalaseema, Coastal Andhra Pradesh & Yanam, Konkan & Goa, East Rajasthan, Uttarakhand.
- ❖ During past 24 hours, Night temperatures have fallen by 1-3°C over many parts of Odisha, East Madhya Pradesh, Tamilnadu Puducherry & Karaikal; at isolated places over Chhattisgarh, East Rajasthan, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and Telangana and risen by 1-3°C at a few places over Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya, Maharashtra, Gujarat State; by 4-6°C at many places over Himachal Pradesh.
- ❖ Night temperatures were **above normal (2.0°C to 5.0°C)** at many places over Northwest India and adjoining central India, Gangetic West Bengal, Madhya Maharashtra, Coastal Karnataka, Kerala & Mahe; at isolated places over Odisha, Chhattisgarh, Coastal Andhra Pradesh & Yanam, Telangana, Northeast India; These were **below normal (-1.6°C to -3.0°C)** at a few places over Andaman & Nicobar Islands; at isolated places over Tamil Nadu, Puducherry & Karaikal and near normal over rest parts of the country.
- ❖ Further detailed temperature observations during past 24 hours till 0830 hours IST of today are provided in **Annexure II**

Rainfall:

- ❖ Light to moderate **Rainfall/Snowfall** observed at isolated places over Uttarakhand; Light to moderate **Rainfall** at a few places over Sikkim; at isolated places over Rajasthan, Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.

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

- ❖ A **cyclonic circulation** lies over northeast Assam in lower tropospheric levels. Under its influence,
 - ✓ Scattered to Fairly widespread light/moderate rainfall/snowfall activity likely over Arunachal Pradesh during 18th-24th February with **Heavy rainfall activity** likely on 18th & 19th February.
 - ✓ Isolated to scattered light rainfall activity likely over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and Sub-Himalayan West Bengal & Sikkim during next 7 days.
 - ✓ Thunderstorm & lightning activity likely over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 18th -20th February; with gusty winds (speed 30-40 kmph) over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura on 18th & 19th February.

- ❖ A Western disturbance as a **cyclonic circulation lies over north Pakistan & neighbourhood** and an **Induced cyclonic circulation** lies over southwest Rajasthan in lower tropospheric levels. Under their influence, isolated light rainfall/snowfall activity likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 18th February.
- ❖ Another **Western Disturbance** is seen as a trough in middle tropospheric level roughly along Long. 55°E to the north of Lat. 32°N.; under its influence **scattered to fairly widespread light to moderate rainfall/snowfall accompanied with thunderstorm & lightning over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh & Uttarakhand on 19th & 20th and isolated light rainfall/snowfall during 21st -23rd February.**
- ❖ **Heavy rainfall/snowfall** at isolated places likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and Himachal Pradesh on 20th February.
- ✓ **Isolated to Scattered light to moderate rainfall accompanied with thunderstorm & lightning** likely over East Rajasthan on 19th; Punjab, Haryana on 19th & 20th; West Uttar Pradesh on 20th; with gusty winds (speed 30-40 kmph) over West Rajasthan on 19th and isolated light rainfall over Central India on 21st & 22nd February.

Temperature & Fog Forecast:

Forecast of temperature:

Minimum Temperature:

- ❖ No significant change in Minimum temperatures likely over Northwest India during next 24 hours and gradual rise by about 2-3°C during subsequent 48 hours and gradual fall by 2-3°C during subsequent 2 days.
- ❖ No significant change in minimum temperature likely over rest parts of India during next 4-5 days.

Maximum temperature:

- ❖ No significant change in Maximum temperatures likely over Northwest India during next 2 days and gradual fall by about 2°C during subsequent 24 hours and gradual rise by 2-3°C during subsequent 2 days.
- ❖ No significant change in maximum temperature likely over rest parts of 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 Sub-Himalayan West Bengal & Sikkim till 19th February.

iii. Weather conditions and forecast over Delhi/NCR during 18th Feb. to 20th Feb. 2025 (Annexure V)

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>

ANNEXURE I

Significant rainfall recorded during past 24 hours till 0830 hours IST of today 18.02.2025 (in cm):

- ❖ **Arunachal Pradesh:** Tuting (dist Upper Siang) 2, Tuting_ Aws (dist Upper Siang) 2, Tawang_ Aws (dist Tawang) 1;
- ❖ **Assam & Meghalaya:** Dhemaji (dist Dhemaji) 2;
- ❖ **Nagaland, Manipur, Mizoram & Tripura:** Mangkolemba (dist Mokokchung) 1, Mokokchang (dist Mokokchung) 1;
- ❖ **Sub-Himalayan West Bengal & Sikkim:** Sankalan (dist Mangan) 1, Singhik (dist Mangan) 1.

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

- ❖ **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 Gangetic West Bengal and Punjab.**
- ❖ **Visibility reported (≤ 200 m) (in meter): Meghalaya: Barapani 30; Gangetic West Bengal: Diamond Harbour 150; Punjab: Amritsar 150.**

- ❖ Minimum temperatures are in the range of **11-15°C** over many parts of Punjab, Uttar Pradesh, Haryana, Chandigarh & Delhi, Bihar; **15-20°C** over many parts of Rajasthan, Central, East & West India. Today, the lowest minimum temperature of **7.8°C** is reported at **Ropar (Punjab)** over the plains of the country.
- ❖ During the past 24 hours, **minimum temperatures** have risen by 1-3°C at many places over Uttarakhand, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Punjab, Haryana, Rajasthan, Madhya Pradesh, Chhattisgarh, Odisha, Maharashtra, Karnataka and Kerala & Mahe. It has fallen by 1-3°C at some places over Tamilnadu Puducherry & Karaikal; at isolated places over Himachal Pradesh, Bihar, Assam & Meghalaya and Gangetic West Bengal.
- ❖ Minimum temperatures are **markedly above normal (5.1°C or more)** at a few places over West Rajasthan; at isolated places over Gujarat state; **appreciably above normal (3.1°C to 5.0°C)** at isolated places over Haryana-Chandigarh-Delhi, East Rajasthan, Madhya Pradesh, Assam & Meghalaya; **above normal (1.6°C to 3.0°C)** at a few places over East Uttar Pradesh, Gangetic West Bengal, Madhya Maharashtra, Coastal Karnataka, Kerala & Mahe; at isolated places over Odisha, Chhattisgarh, Coastal Andhra Pradesh & Yanam, Telangana, Nagaland, Manipur, Mizoram & Tripura. These are **below normal (-1.6°C to -3.0°C)** at a few places over Andaman & Nicobar Islands; at isolated places over Tamil Nadu, Puducherry & Karaikal and near normal over rest parts of the country
- ❖ Maximum temperatures are in the range of **35-37°C** over many parts of Odisha, Maharashtra, North Interior Karnataka; in some parts of Telangana, Rayalaseema, Coastal Andhra Pradesh and Kerala & Mahe; at isolated places over Gujarat State, Tamilnadu Puducherry & Karaikal and. Yesterday, the highest **maximum temperature of 38.2°C** was reported at **Bramhapuri (Vidarbha)** over the plains of the country.
- ❖ Maximum temperatures were **markedly above normal (5.1°C or more)** at isolated places over Jammu-Kashmir-Ladakh Gilgit-Baltistan-Muzaffarabad, Haryana-Chandigarh-Delhi; **appreciably above normal (3.1°C to 5.0°C)** at a few places over Vidarbha; at isolated places over Himachal Pradesh, West Rajasthan, Madhya Pradesh, East Uttar Pradesh, Chhattisgarh, Odisha, Marathwada, Madhya Maharashtra, Gujarat state, Gangetic West Bengal; **above normal (1.6°C to 3.0°C)** at isolated places over West Uttar Pradesh, Bihar, Rayalaseema, Coastal Andhra Pradesh & Yanam, Konkan & Goa, East Rajasthan, Uttarakhand. These were **below normal (-1.6°C to -3.0°C)** at isolated places over Tamil Nadu, Puducherry & Karaikal, Assam & Meghalaya and near normal over rest parts of the country.

Fig. 1: Maximum Temperatures

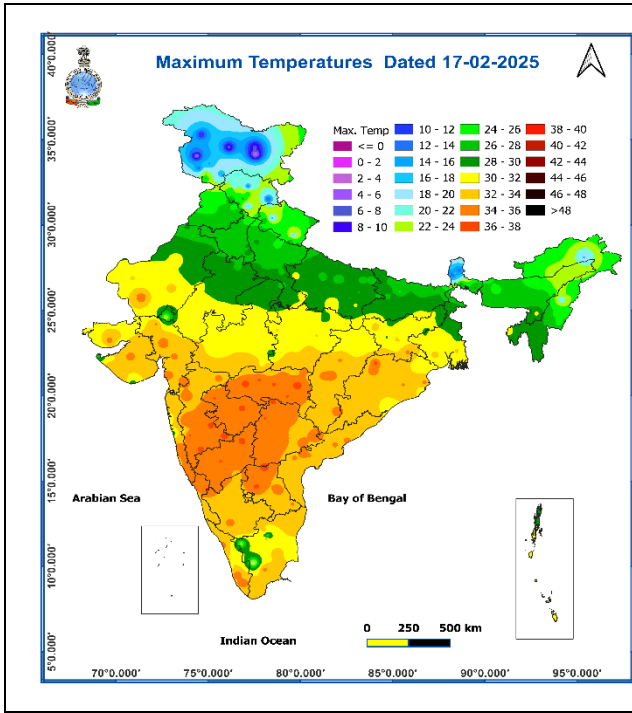


Fig. 2: Departure of Maximum Temperatures

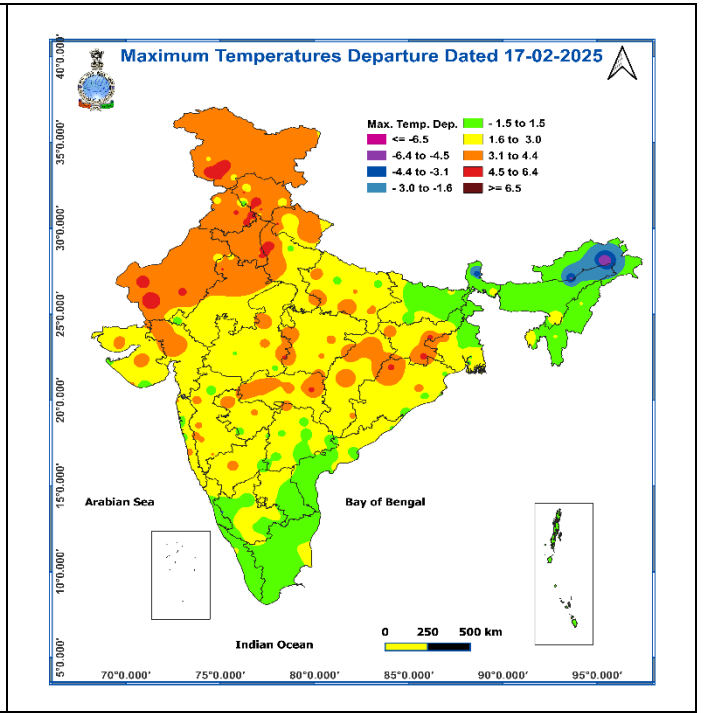


Fig. 3: Minimum Temperatures

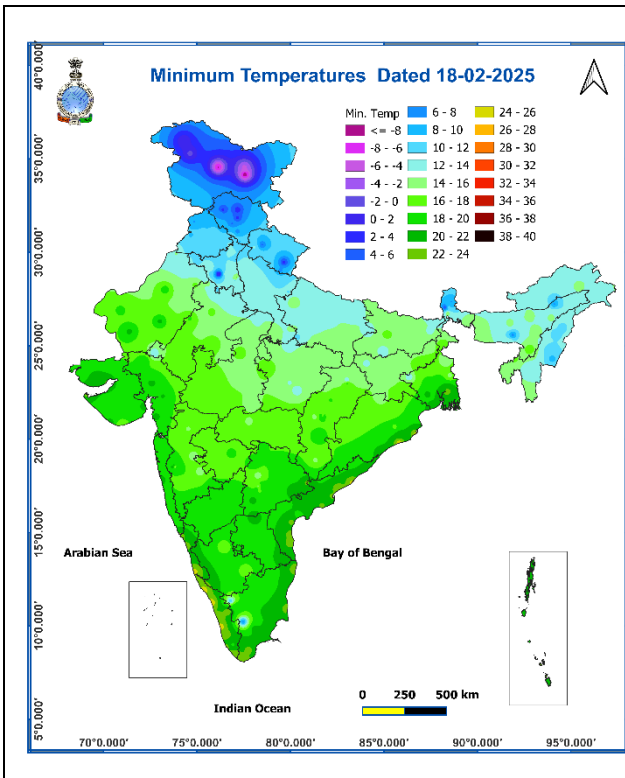
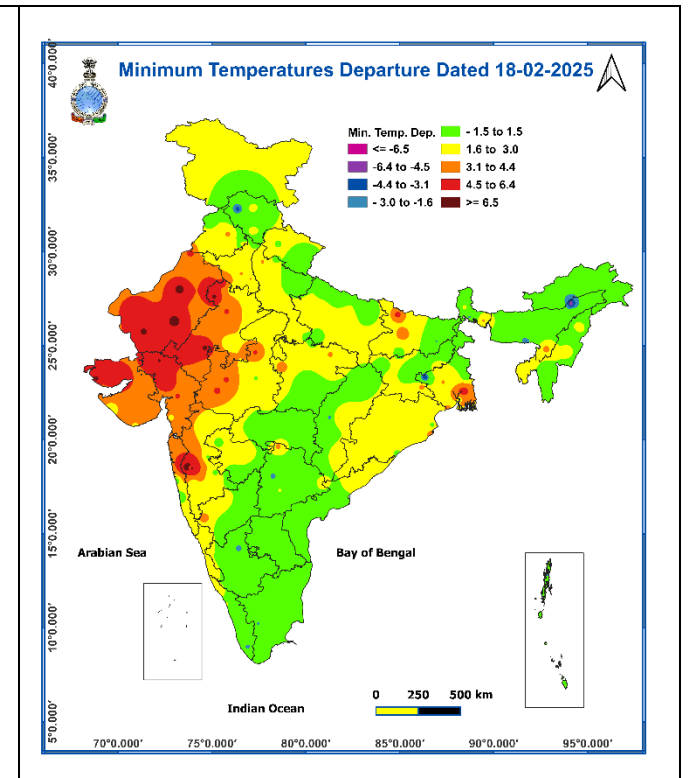
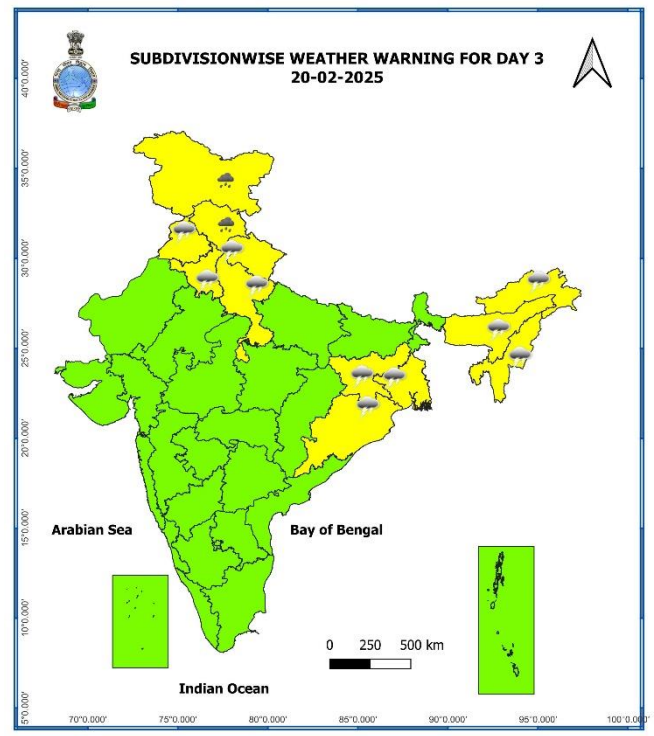
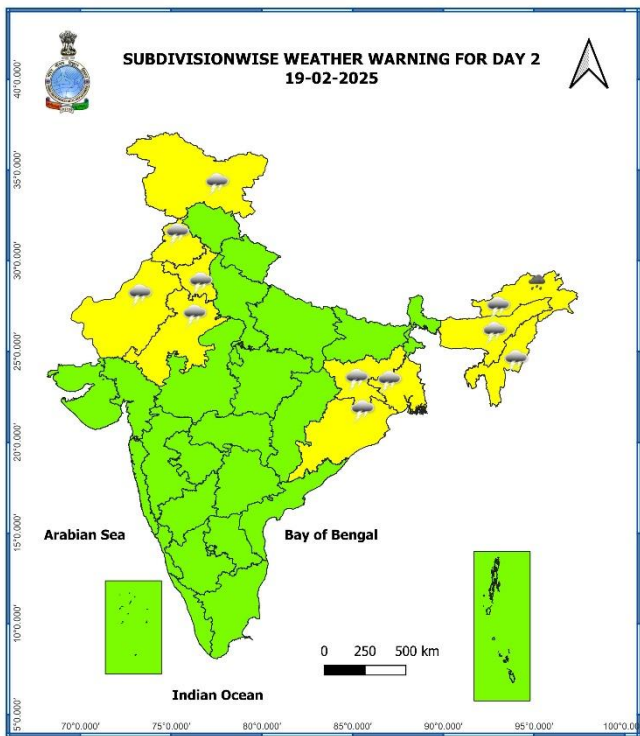
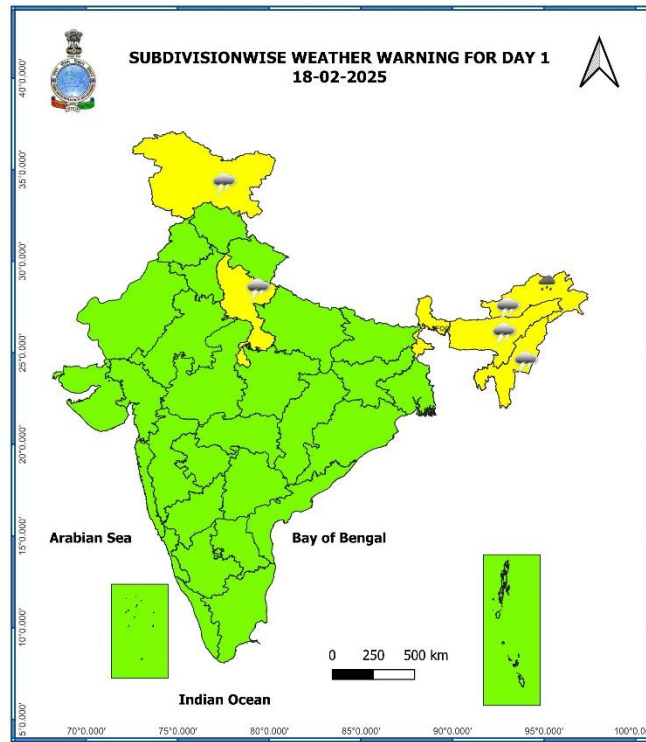


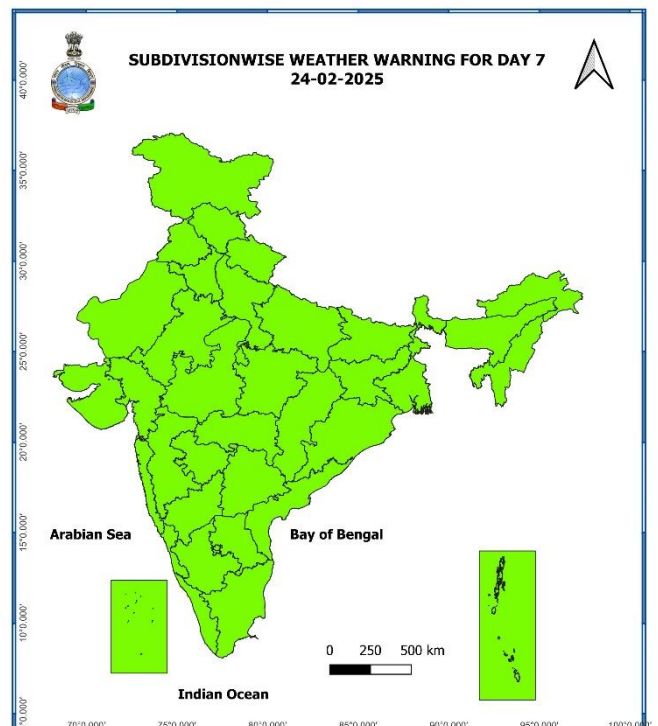
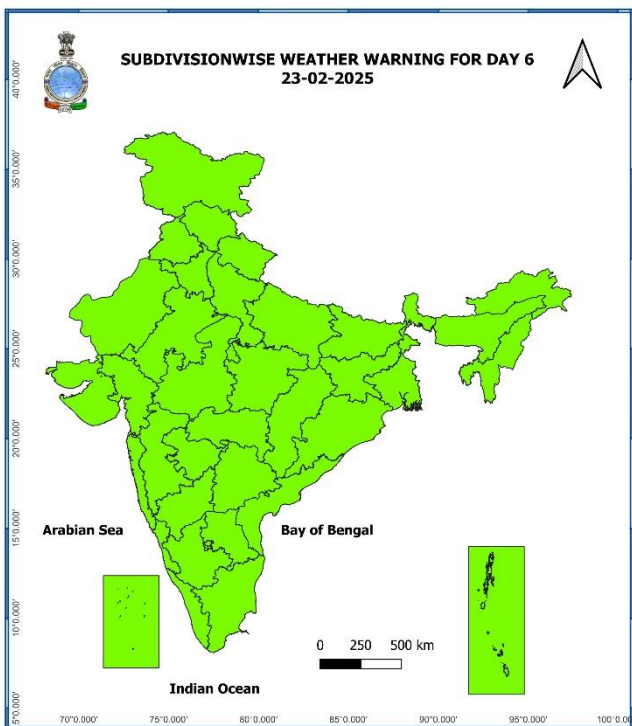
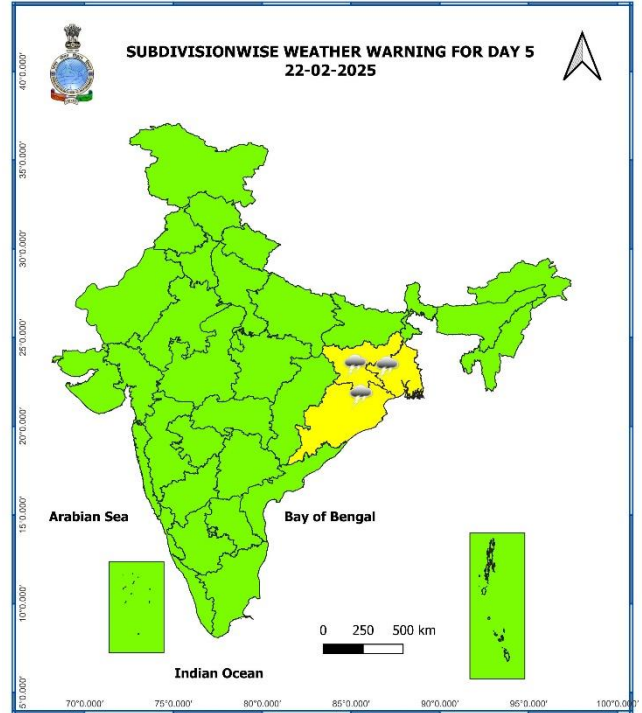
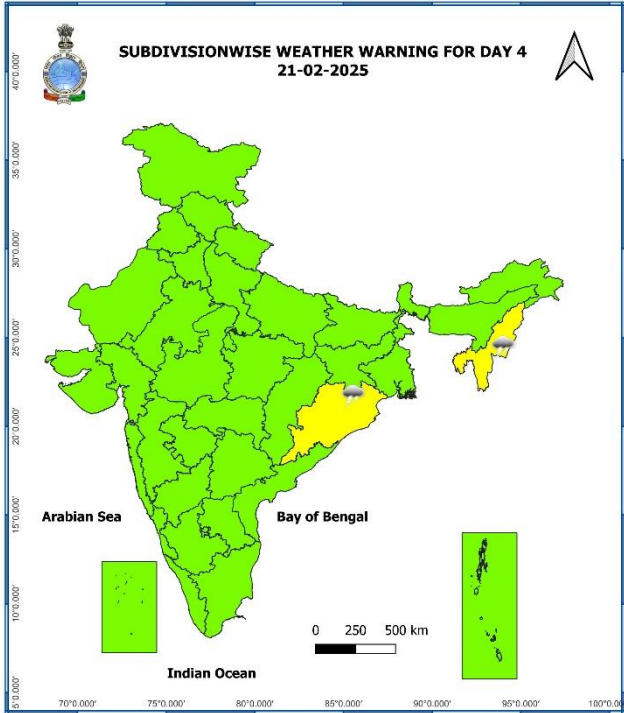
Fig. 4: Departure of Minimum Temperatures



7 Days Rainfall Forecast								
S. No.	Subdivision	18-Feb	19-Feb	20-Feb	21-Feb	22-Feb	23-Feb	24-Feb
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	ISOL	ISOL	ISOL	SCT	FWS	FWS	WS
2	ARUNACHAL PRADESH	SCT	FWS	SCT	SCT	ISOL	SCT	SCT
3	ASSAM & MEGHALAYA	ISOL	SCT	ISOL	ISOL	ISOL	SCT	ISOL
4	NAGALAND, MANIPUR, MIZORAM & TRIPURA	ISOL	SCT	SCT	ISOL	ISOL	SCT	ISOL
5	SUB-HIMALAYAN WEST BENGAL & SIKKIM	ISOL	SCT	ISOL	ISOL	SCT	SCT	ISOL
6	GANGETIC WEST BENGAL	DRY	SCT	SCT	ISOL	SCT	ISOL	DRY
7	ODISHA	DRY	ISOL	SCT	ISOL	SCT	ISOL	ISOL
8	JHARKHAND	DRY	ISOL	ISOL	ISOL	SCT	ISOL	DRY
9	BIHAR	DRY	DRY	DRY	DRY	DRY	ISOL	ISOL
10	EAST UTTAR PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
11	WEST UTTAR PRADESH	ISOL	DRY	ISOL	DRY	DRY	DRY	DRY
12	UTTARAKHAND	DRY	ISOL	FWS	ISOL	ISOL	DRY	ISOL
13	HARYANA CHANDIGARH & DELHI	DRY	ISOL	SCT	DRY	DRY	DRY	DRY
14	PUNJAB	DRY	ISOL	SCT	DRY	DRY	DRY	DRY
15	HIMACHAL PRADESH	DRY	SCT	WS	ISOL	ISOL	DRY	DRY
16	JAMMU & KASHMIR AND LADAKH	ISOL	SCT	FWS	ISOL	ISOL	DRY	SCT
17	WEST RAJASTHAN	DRY	ISOL	ISOL	DRY	DRY	DRY	DRY
18	EAST RAJASTHAN	ISOL	ISOL	ISOL	DRY	DRY	DRY	DRY
19	WEST MADHYA PRADESH	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
20	EAST MADHYA PRADESH	ISOL	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	ISOL	ISOL	DRY	DRY
27	CHHATTISGARH	DRY	DRY	DRY	ISOL	ISOL	ISOL	DRY
28	COASTAL ANDHRA PRADESH & YANAM	DRY	DRY	ISOL	ISOL	ISOL	ISOL	ISOL
29	TELANGANA	DRY	DRY	DRY	ISOL	ISOL	ISOL	ISOL
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	ISOL	ISOL	ISOL	ISOL
36	LAKSHADWEEP	DRY	DRY	DRY	DRY	DRY	DRY	DRY

- As the lead period increases forecast accuracy decreases.





- 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>

Weather forecast over Delhi/NCR during 18th Feb. to 21st Feb. 2025

Past Weather:

There has been a rise in minimum and maximum temperatures upto 01 - 02°C over Delhi/NCR during the past 24 hours. The Maximum and Minimum temperatures over Delhi are in the range of 27 to 29°C and 13 to 14°C respectively. The minimum temperature was above normal upto 03°C and maximum temperature was above normal upto 05°C 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 smog/mist conditions with wind speed less than 12 kmph southwest direction prevailed over the region in the forenoon today.

Weather Forecast:

18.02.2025: Partly cloudy sky. The maximum temperature over Delhi is likely to be in the range of 27 to 29°C. The predominant surface wind will likely to be from northwest direction with a wind speed of less than 10 kmph till evening. It would decrease thereafter becoming less than 06 kmph from the northeast direction during the night.

19.02.2025: Partly cloudy sky becoming generally cloudy sky towards afternoon. Smog/mist likely in the morning. Very light/light rain accompanied with thunderstorm likely towards night. The maximum and minimum temperatures over Delhi are likely to be in the range of 27 to 29°C and 10 to 12°C respectively. The predominant surface wind is likely to be from the northwest direction with a wind speed less than 06 kmph during morning hours. The wind speed will gradually increase thereafter becoming 10-12 kmph from the northwest direction during the afternoon. It will decrease further becoming less than 04 kmph from the variable direction during evening and night.

20.02.2025: Generally cloudy sky. Very light rain/drizzle likely in the morning. Strong surface wind (speed 20-30 kmph) during the day. The maximum and minimum temperatures over Delhi are likely to be in the range of 25 to 27°C and 12 to 14°C respectively. The predominant surface wind will likely to be from the southeast direction with a wind speed of less than 10 kmph during morning hours. The wind speed will gradually increase thereafter becoming 18-20 kmph from the southeast direction during the afternoon. It will decrease becoming less than 10 kmph from southeast direction during evening and night.

21.02.2025: Partly cloudy sky. Smog/mist likely in the morning. The maximum and minimum temperatures over Delhi are likely to be in the range of 26 to 28°C and 10 to 12°C respectively. The predominant surface wind will likely to be from southeast direction with a wind speed of less than 08 kmph during morning hours. The wind speed will gradually increase thereafter becoming 10-12 kmph from the southeast direction during the afternoon. It will decrease becoming less than 08 kmph from northeast direction during evening and night.

Agromet advisories for likely impact of Heavy Rainfall

- In **Arunachal Pradesh**, postpone rice harvesting during rainfall periods and shift the already harvested produce to well-covered storage facilities to prevent damage. Provide extensive drainage in the fields of rice, mustard, other standing crops, vegetables and horticultural crops.
- Make provision for draining out excess water from the fields of wheat, mustard, pulses, other standing crops, vegetables and horticultural crops in **Jammu & Kashmir** and **Himachal Pradesh** to avoid water stagnation. Harvest the mature crops and keep the harvested produce in safer places.
- Provide mechanical support to horticultural crops and staking to vegetables.

Livestock

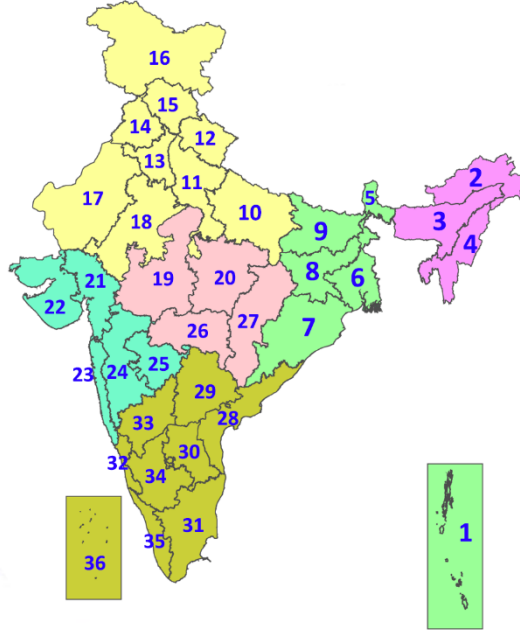
- Keep the animals inside the shed during heavy rainfall and provide them with balanced feed. Store feed and fodder in a safe place to prevent spoilage.

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.

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 62-87 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 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.
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