राष्ट्रीय मौसम पूर्वानुमान केन्द्र
भारत मौसम विज्ञान विभाग
पृथ्वी विज्ञान मंत्रालय

National Weather Forecasting Centre
India Meteorological Department
Ministry of Earth Sciences

2025-12-31
Time of Issue: 14:28:00 hours IST
(Mid-Day)

ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

Significant Weather Features

Weather Forecast and warning

- **Fairly widespread to widespread** heavy rainfall/snowfall very likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 31st December and 1st January and scattered to fairly widespread light/moderate rainfall/snowfall over Himachal Pradesh and Uttarakhand during 31st December-02nd January 2026.
- **Isolated heavy rainfall/snowfall** very likely over Kashmir valley on 31st December, 2025.
- **Isolated to scattered**light rainfall likely over Punjab, Haryana Chandigarh and Rajasthan on 31st & 01st January and west Uttar Pradesh & Delhion 1st January 2026.
- **Isolated Thunderstorm and lightning** likely over gusty wind speed (30-40kmph) likely to prevail over Andaman & Nicobar Islands and Tamilnadu during 31st Dec & 01stJan 2026 and heavy rainfall likely over Tamilnadu on 31st December 2025.

Forecast of minimum temperatures:

- Gradual rise in minimum temperature very likely over northwest India by 2-4°C during next 2 days and thereafter fall by 2-4°C for subsequent 3 days and thereafter no significant change.
- Gradual rise in minimum temperature very likely over Central India by 2-3°C during next 3 days and thereafter fall by 2-4°C for the subsequent days.
- Gradual rise in minimum temperature very likely over East India by 2-3°C during next 3 days and no significant change thereafter.
- No significant change in minimum temperature likely over Maharashtra during 2 days and thereafter rise by 2-3°C for subsequent 4 days and thereafter rise over south Maharashtra by 2-3°C for subsequent 4 days.
- No significant change in minimum temperature likely over Gujarat for next 24 hours and thereafter fall by 2-3°C for subsequent 2 days and thereafter rise by 2-3°C for subsequent 5 days.
- No significant change in minimum temperature likely over northeast India during next 7days.

Dense Fog, Cold wave & Cold day Warnings:

- **Dense to Very dense** fog conditions very likely to continue during night/morning hours over Odisha, Punjab, Haryana, Chandigarh & Delhi till 05th; East Uttar Pradesh till 02nd; West Rajasthan till 03rd 2026.
- **Dense fog** conditions also likely during night/morning hours at isolated pockets Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and Jharkhand till 02nd; over Himachal Pradesh, Uttarakhand, Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura till 05th ; Uttar Pradesh, Bihar, Punjab and Haryana, Chandigarh & Delhi till 7th ; west Rajasthan till 04th ; East Rajasthan during 02nd -04th; Madhya Pradesh till 01st and during 04th & 05th ; Gangetic West Bengal till 03rd January 2026.
- **Cold day conditions** very likely at isolated pockets over East Uttar Pradesh, West Bengal & Sikkim, Himachal Pradesh andUttarakhand on 31st Dec; Punjab and Haryana Chandigarh & Delhi on 01st January; Bihar on 31st December and 01st January 2026.
- **Cold wave** conditions very likely in isolated pockets of Himachal Pradesh during 02nd-04th; Punjab and Haryana Chandigarh & Delhi during 03rd-05th; Rajasthan on 05th & 06th ; Telangana on 01st January 2026.

Main Weather Observations:

❖ **Rainfall distribution** (from 0830 hours IST of yesterday to 0830 hours IST of today): **at a few places** over Andaman & Nicobar Islands; **at isolated places** over Arunachal Pradesh, Assam & Meghalaya, Sub Himalayan West Bengal & Sikkim, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad and Tamil Nadu, Puducherry & Karaikal; **Dry** over rest of the country.

❖ **Fog Condition Observed (at 0830 hours of today): Dense to very Dense fog conditions** prevailed in some parts of Uttarakhand, Punjab, Uttar Pradesh, Odisha, Haryana, Meghalaya; **dense fog:** prevailed in isolated pockets of Jammu, Gangetic West Bengal, Bihar, Madhya Pradesh and Assam.

❖ **Visibility reported (at 0830 hours of today): Jammu :**Jammu Airport(50M); **Uttarakhand:**Haridwar(30M), Katima(100M); **Punjab:**Amritsar, Ludhiana, Patiala, Halwara-(0M); **Haryana Chandigarh & Delhi:**Ambala, Hisar, Bhiwani (0M);**West Uttar Pradesh:** Hindon(IAF), Saharanpur IAF & Agra IAF-(0M), Agra Taj-(20M), Hamirpur, Bareilly & Aligarh-(30M), Ams Aligarh, Etawah & Shahjahanpur-(50M), Meerut-(100M); **East Uttar Pradesh:**Barabanki & Prayagraj(IAF)-(0M), Fatehpur & Kanpur City-(10M), Fursatganj & Prayagraj-(20M), Fatehgarh, Lucknow AP & Varanasi AP-(50M), Varanasi Bhu & Hardoi-(60M), Sultanpur-(80M), Gorakhpur Oby-(150M); **West Madhya Pradesh:**Gwalior (0M),Datia(50M); **East Madhya Pradesh:**Khajuraho (50M) , Satna (50M);**Delhi:** Safdarjung(50M), Palam(50M); **Assam & Meghalaya:** Shillong (30M), Dibrugarh (100M), Tezpur (100M),Sohra (100M).

- **Cold day to severe cold day conditions** prevailed at some parts over East Uttar Pradesh and **cold day conditions prevailed** at isolated pockets of Bihar and West Uttar Pradesh.
- **Cold wave conditions** observed at isolated places over Telangana.

❖ **Minimum Temperature Departures (as on 31-12-2025):Minimum Temperatures departures were appreciably below normal (-5.0°C to -3.1°C)** at few places over Gangetic West Bengal; at isolated places over Central parts of East Madhya Pradesh; isolated in North Interior Odisha, Chhattisgarh, Jharkhand North Interior Karnataka and Telangana and were below normal (-3.0°C to -1.6°C) at isolated places over Uttar Pradesh, Interior Karnataka and Madhya Maharashtraand Konkan & Goa. **The lowest minimum temperature** of 4.2°C is reported at ROHTAK(HARYANA), KHAJURAHO (MADHYA PRADESH), and AMBIKAPUR (CHHATTISGARH) over the Plains of India.

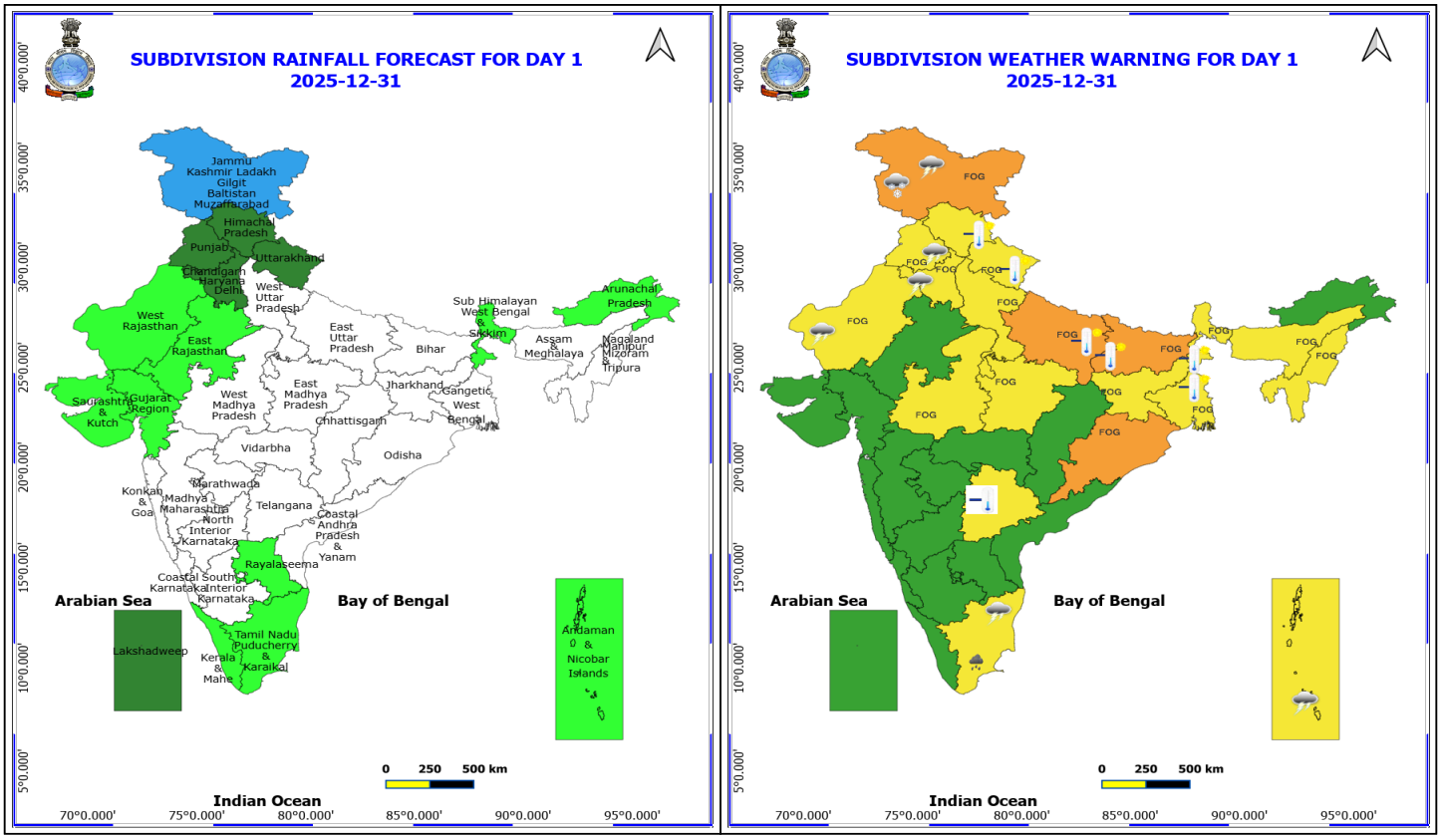
❖ **Maximum Temperature Departures (as on 30-12-2025): below normal(-1.6°C to -3.0°C)** at few places over Arunachal Pradesh; at isolated places over East Uttar Pradesh. **appreciably below normal(-5.0°C to -3.1°C)** at few places over Gangetic West Bengal; at isolated places over Bihar. **The highest maximum temperature** of 35.2°C is reported at PUNALUR (KERALA).

Meteorological Analysis (Based on 0830 hours IST)

- The **Western disturbance** now seen as an upper air cyclonic circulation over north Pakistan and adjoining Afghanistan at 3.1 km above mean sea level with a trough aloft in middle tropospheric level with its axis at 5.8 km above mean sea level roughly along Long. 60°E to the north of Lat. 28°N.
- **Subtropical westerly Jet Stream** with core winds of the order of 150 knots at 12.6 km above mean sea level prevails over south Punjab and neighbourhood.
- An **upper air cyclonic circulation** lies over north Haryana & neighbourhood extends upto 1.5 km above mean sea level.
- An **upper air cyclonic circulation** lies over southwest Bay of Bengal off Sri Lanka coasts extends upto 3.1 km above mean sea level.
- The **upper air cyclonic circulation** over north Kerala & neighbourhood between 1.5 & 4.5 km above mean sea level has become less marked.
- The **upper air cyclonic circulation** over Northeast Assam at 1.5 above mean sea level has become less marked.
- The **trough** in easterlies south of Lat.10°N along Long. 85°E over the southeast Bay of Bengal at 1.5 km above mean sea level has become less marked.

Weather Outlook for subsequent 3 days

- Isolated to Scattered rainfall activity over Western Himalayana Region, Tamil Nadu, Kerala, Karnataka and Islands.



31 December (Day 1)

❖ **Heavy Rainfall** very likely at isolated places over Tamil Nadu Puducherry & Karaikal.

❖ **Heavy Snowfall** very likely at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad.

❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Andaman & Nicobar Islands.

❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Haryana, Chandigarh & Delhi, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Punjab, Tamil Nadu Puducherry & Karaikal and West Rajasthan.

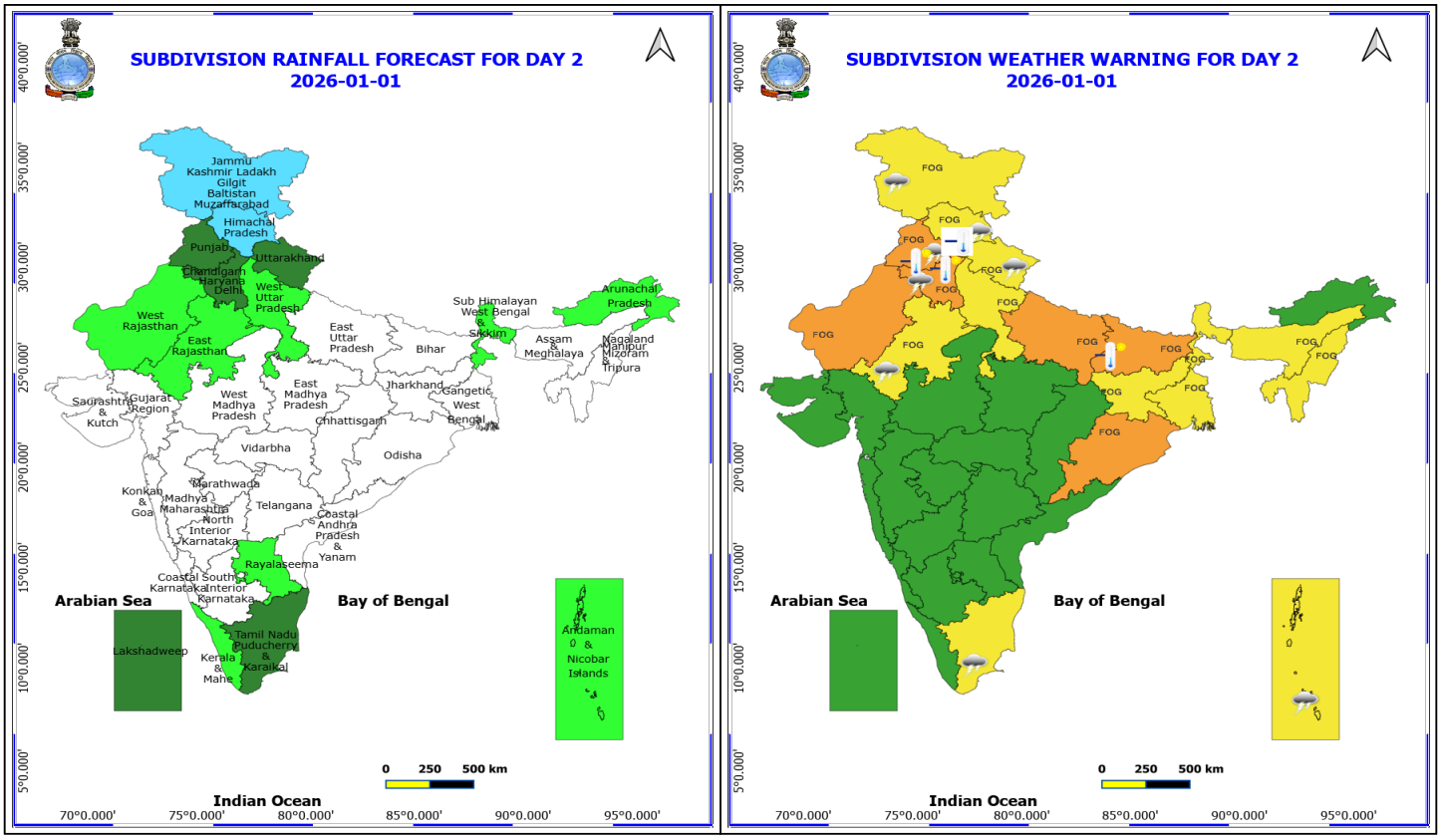
❖ **Cold wave conditions** very likely at isolated places over Telangana.

❖ **Cold Day conditions** very likely at isolated places over Bihar, East Uttar Pradesh, Himachal Pradesh, Uttarakhand and West Bengal & Sikkim.

❖ **Dense Fog** very likely at isolated places over Assam & Meghalaya, Bihar, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Jharkhand, Madhya Pradesh, Nagaland, Manipur, Mizoram and Tripura, Uttarakhand, West Bengal & Sikkim, West Rajasthan and West Uttar Pradesh.

❖ **Dense to Very Dense Fog** very likely at isolated places over East Uttar Pradesh, Haryana, Chandigarh & Delhi, Odisha and Punjab.

Squally winds with speeds reaching 45 kmph to 55 kmph gusting to 65 kmph is likely to prevail along and off north Oman coast and adjoining sea areas.



1 January (Day 2)

❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Andaman & Nicobar Islands.

❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over East Rajasthan, Haryana, Chandigarh & Delhi, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Punjab, Tamil Nadu Puducherry & Karaikal and Uttarakhand.

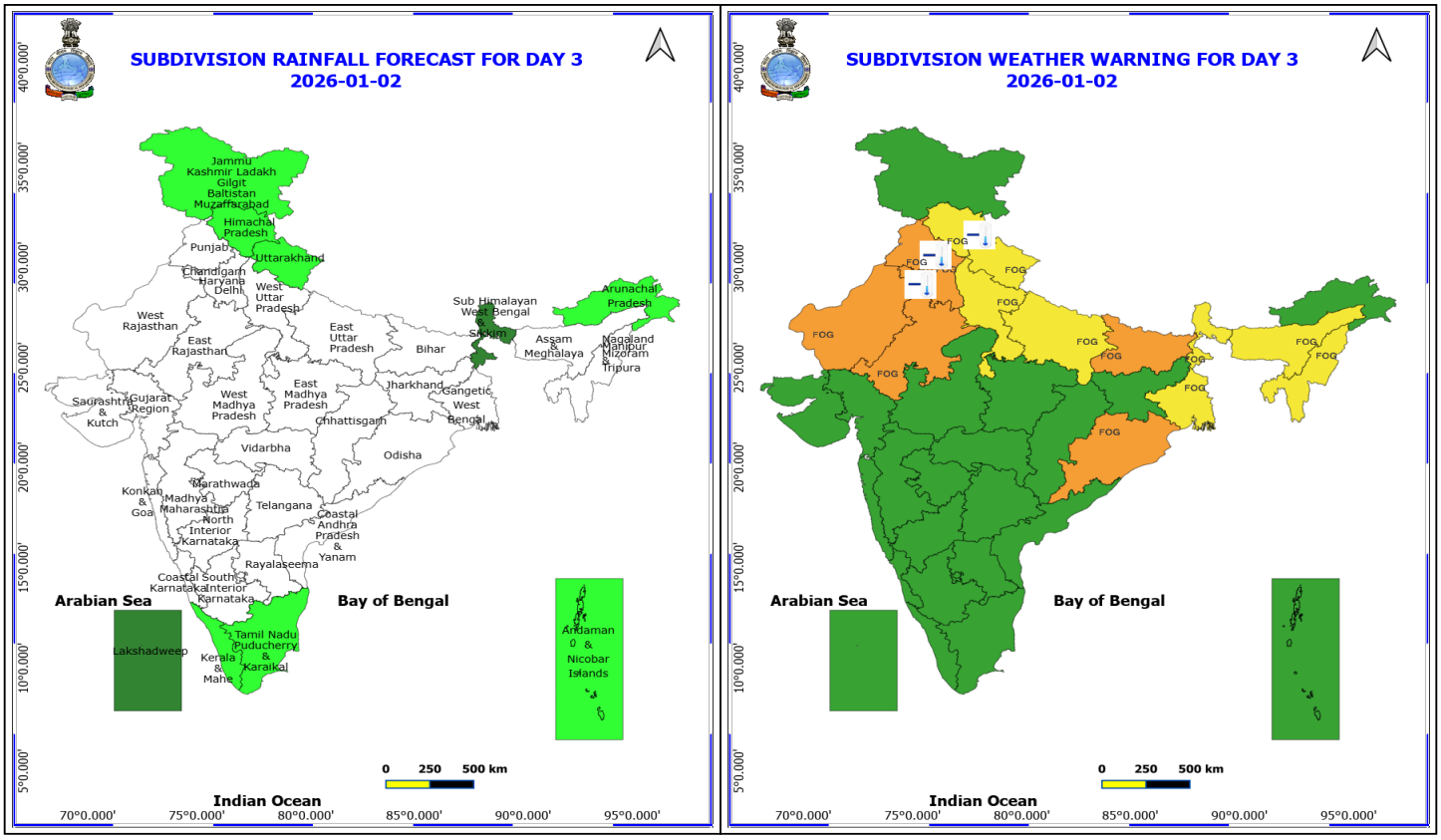
❖ **Cold wave conditions** very likely at isolated places over Himachal Pradesh.

❖ **Cold Day conditions** very likely at isolated places over Bihar, Haryana, Chandigarh & Delhi and Punjab.

❖ **Dense Fog** very likely at isolated places over Assam & Meghalaya, Bihar, East Rajasthan, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Jharkhand, Nagaland, Manipur, Mizoram and Tripura, Uttarakhand, West Bengal & Sikkim and West Uttar Pradesh.

❖ **Dense to Very Dense Fog** very likely at isolated places over East Uttar Pradesh, Haryana, Chandigarh & Delhi, Odisha, Punjab and West Rajasthan.

Squally winds with speeds reaching 45 kmph to 55 kmph gusting to 65 kmph is likely to prevail along and off Somalia coast.



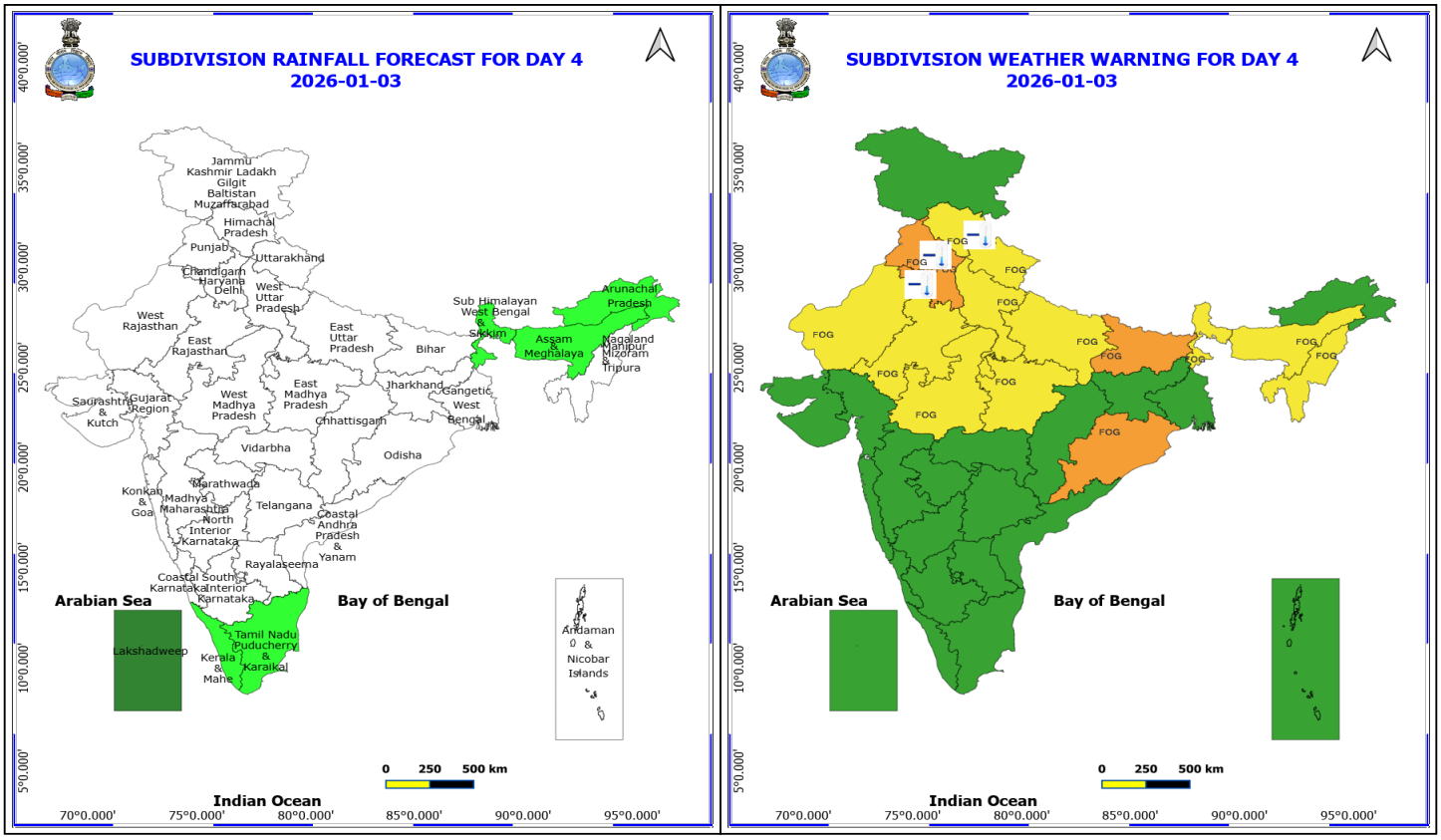
2 January (Day 3)

❖ **Cold wave conditions** very likely at isolated places over Haryana, Chandigarh & Delhi, Himachal Pradesh and Punjab.

❖ **Dense Fog** very likely at isolated places over Assam & Meghalaya, Bihar, Himachal Pradesh, Nagaland, Manipur, Mizoram and Tripura, Uttar Pradesh, Uttarakhand and West Bengal & Sikkim.

❖ **Dense to Very Dense Fog** very likely at isolated places over Haryana, Chandigarh & Delhi, Odisha, Punjab and Rajasthan.

Squally winds with speeds reaching 45 kmph to 55 kmph gusting to 65 kmph is likely to prevail along and off Somalia coast, over Gulf of Mannar & adjoining, some parts of Comorin area.



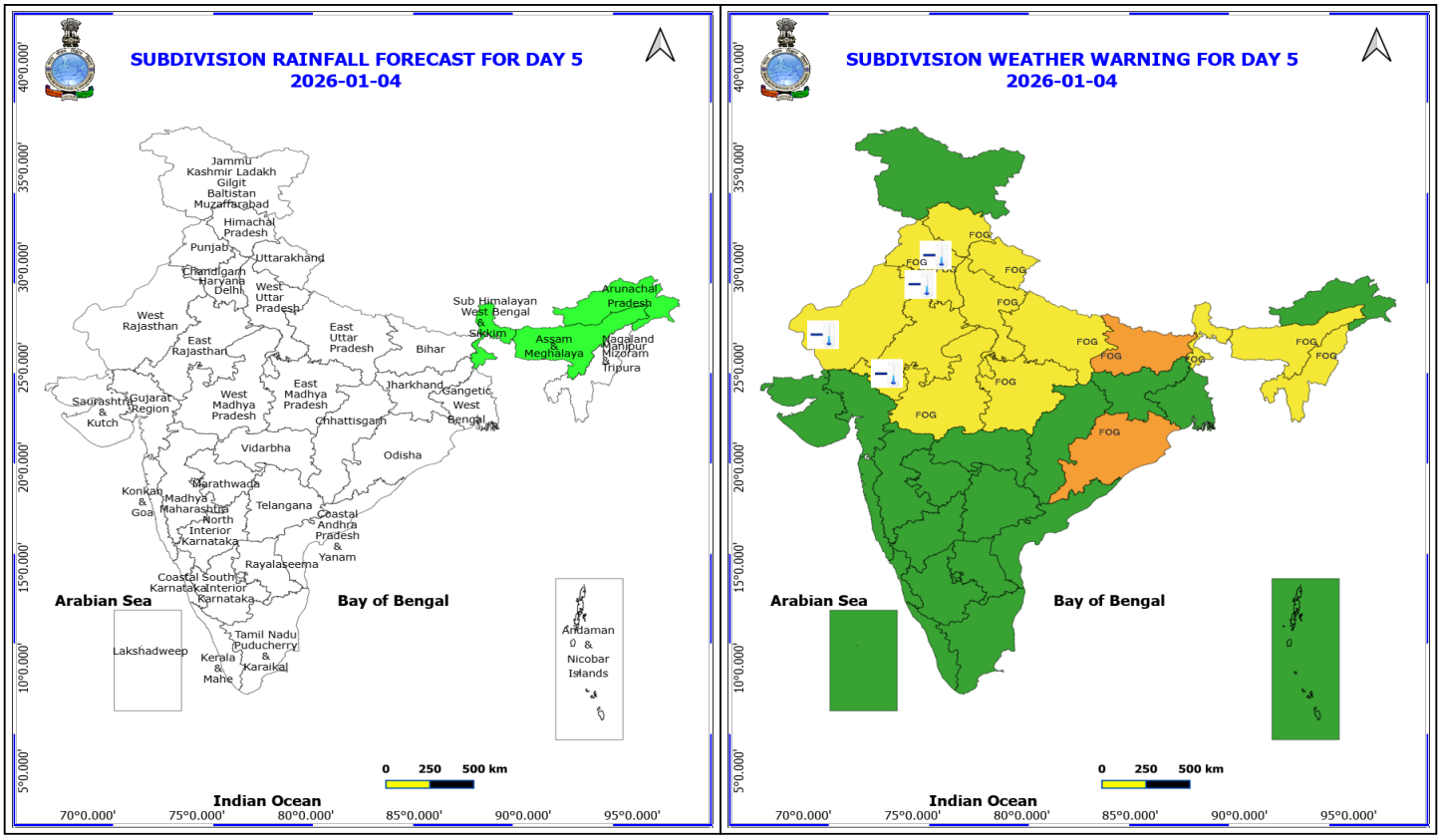
3 January (Day 4)

❖ **Cold wave conditions** likely at isolated places over Haryana, Chandigarh & Delhi, Himachal Pradesh and Punjab.

❖ **Dense Fog** likely at isolated places over Assam & Meghalaya, Bihar, Himachal Pradesh, Madhya Pradesh, Nagaland, Manipur, Mizoram and Tripura, Rajasthan, Sub Himalayan West Bengal & Sikkim, Uttar Pradesh and Uttarakhand.

❖ **Dense to Very Dense Fog** likely at isolated places over Haryana, Chandigarh & Delhi, Odisha and Punjab.

Squally winds with speeds reaching 45 kmph to 55 kmph gusting to 65 kmph is likely to prevail along and off Somalia coast, over Gulf of Mannar & adjoining, some parts of Comorin area.



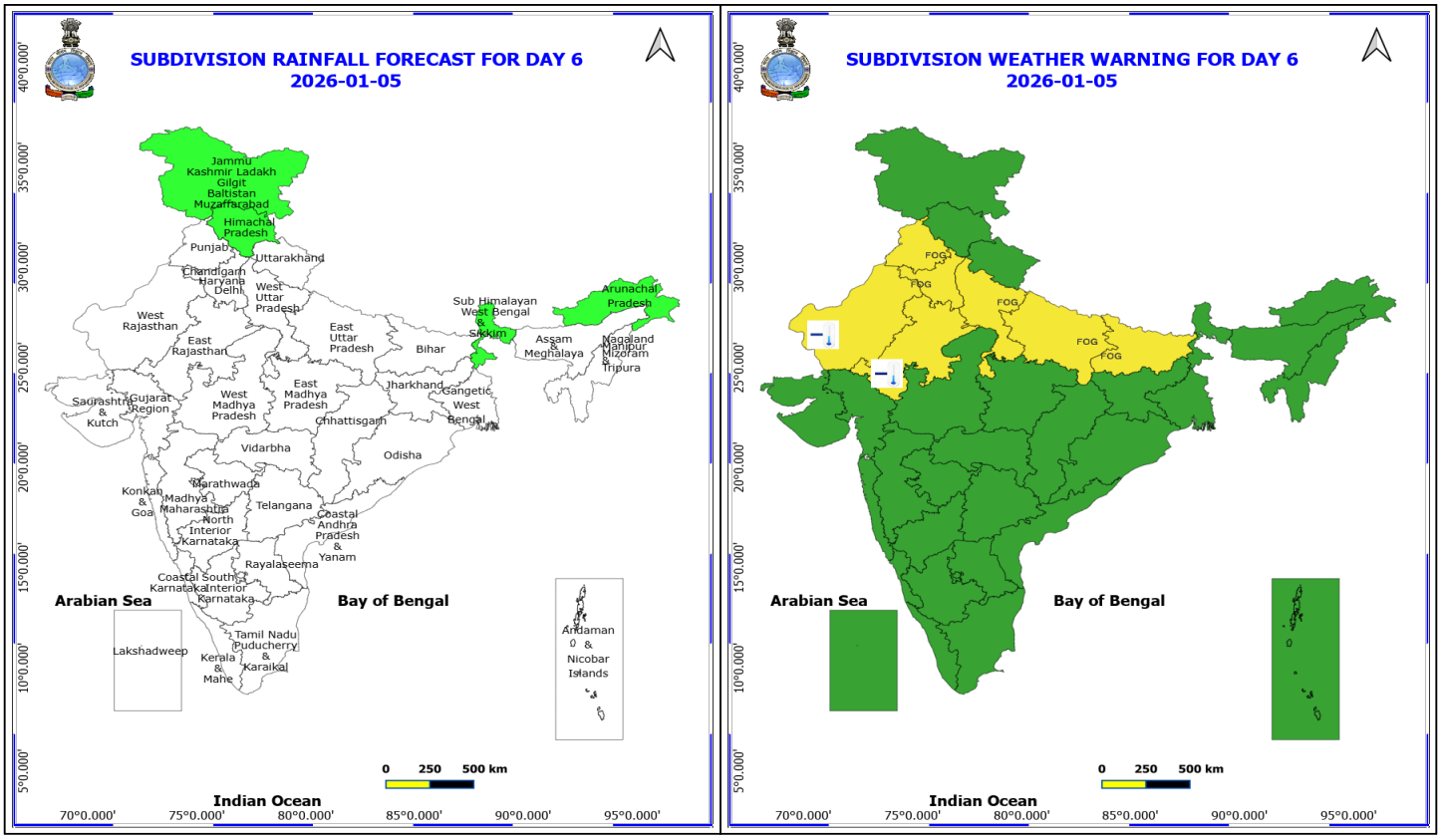
4 January (Day 5)

❖ **Cold wave conditions** likely at isolated places over Haryana, Chandigarh & Delhi, Punjab and Rajasthan.

❖ **Dense Fog** likely at isolated places over Assam & Meghalaya, Bihar, Himachal Pradesh, Madhya Pradesh, Nagaland, Manipur, Mizoram and Tripura, Sub Himalayan West Bengal & Sikkim, Uttar Pradesh and Uttarakhand.

❖ **Dense to Very Dense Fog** likely at isolated places over Haryana, Chandigarh & Delhi, Odisha and Punjab.

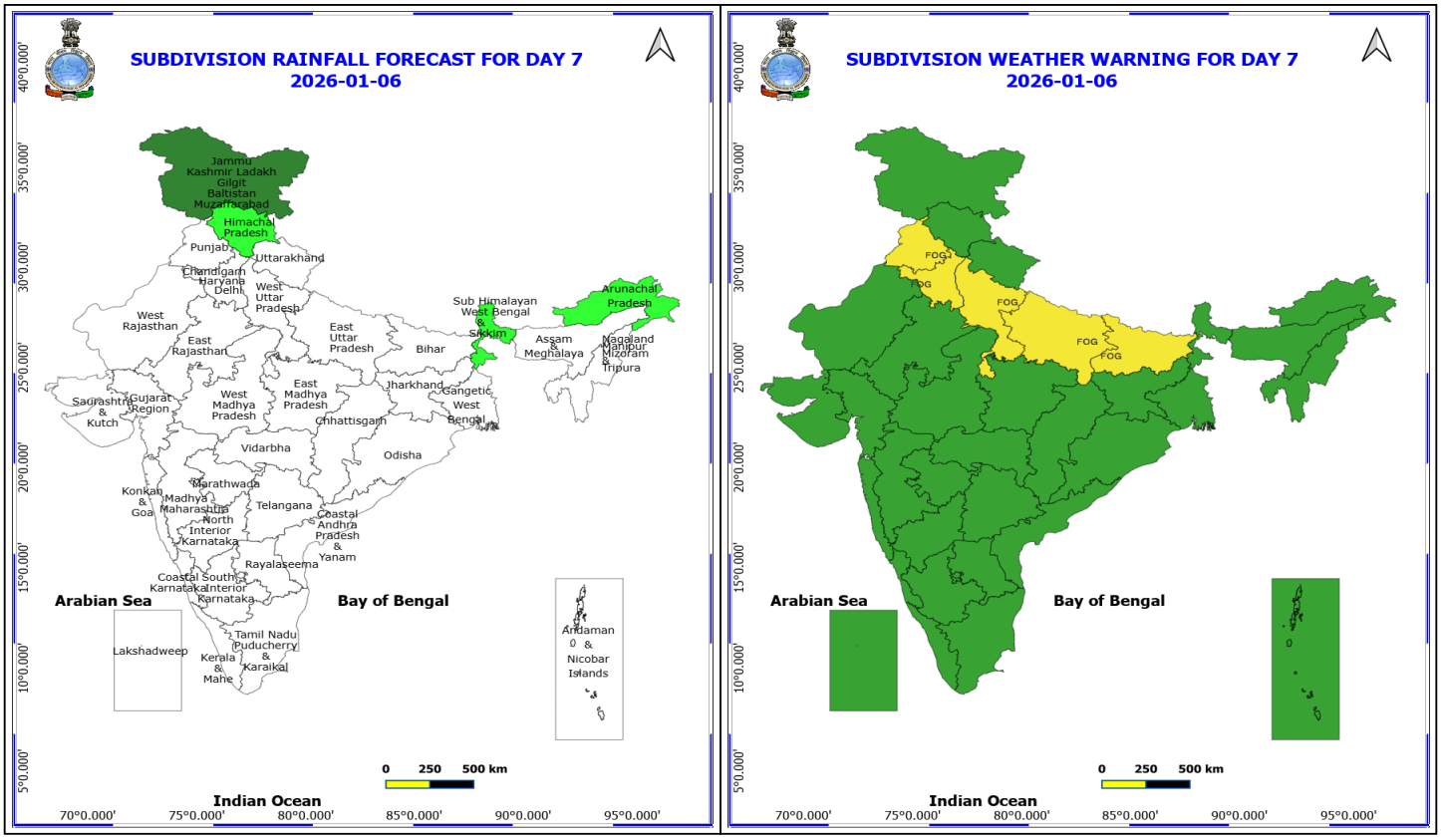
Squally winds with speeds reaching 45 kmph to 55 kmph gusting to 65 kmph is likely to prevail along and off Somalia coast, over Gulf of Mannar & adjoining, some parts of Comorin area.



5 January (Day 6)

- ❖ **Cold wave conditions** likely at isolated places over Rajasthan.
- ❖ **Dense Fog** likely at isolated places over Bihar, Haryana, Chandigarh & Delhi, Punjab and Uttar Pradesh.

No Fishermen Warning



6 January (Day 7)

❖ **Dense Fog** likely at isolated places over Bihar, Haryana, Chandigarh & Delhi, Punjab and Uttar Pradesh.

No Fishermen Warning

Table-1

7 Days Rainfall Forecast

S.No.	Subdivision	31-Dec	1- Jan	2- Jan	3- Jan	4- Jan	5- Jan	6- Jan
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	ISOL	ISOL	ISOL	DRY	DRY	DRY	DRY
2	ARUNACHAL PRADESH	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
3	ASSAM & MEHGHALAYA	DRY	DRY	DRY	ISOL	ISOL	DRY	DRY
4	N. M. M. & T.	DRY	DRY	DRY	DRY	DRY	DRY	DRY
5	S.H. WEST BENGAL & SIKKIM	ISOL	ISOL	SCT	ISOL	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	ISOL	DRY	DRY	DRY	DRY	DRY
12	UTTARAKHAND	SCT	SCT	ISOL	DRY	DRY	DRY	DRY
13	HARYANA, CHD & DELHI	SCT	SCT	DRY	DRY	DRY	DRY	DRY
14	PUNJAB	SCT	SCT	DRY	DRY	DRY	DRY	DRY
15	HIMACHAL PRADESH	SCT	FWS	ISOL	DRY	DRY	ISOL	ISOL
16	JAMMU AND KASHMIR AND LADAKH	WS	FWS	ISOL	DRY	DRY	ISOL	SCT
17	WEST RAJASTHAN	ISOL	ISOL	DRY	DRY	DRY	DRY	DRY
18	EAST RAJASTHAN	ISOL	ISOL	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	GUJRAT REGION	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
22	SAURASHTRA & KUTCH	ISOL	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	CHATTISGARH	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	ISOL	ISOL	DRY	DRY	DRY	DRY	DRY
31	TAMILNADU & PUDUCHERRY	ISOL	SCT	ISOL	ISOL	DRY	DRY	DRY
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	ISOL	ISOL	ISOL	ISOL	DRY	DRY	DRY
36	LAKSHDWEEP	SCT	SCT	SCT	SCT	DRY	DRY	DRY

Legend	Category	%Stations
WS	Widespread/Most Places	76-100
FWS	Fairly Widespread/Many Places	51-75
SCT	Scattered/ A Few Places	26-50
ISOL	Isolated Places	1-25
DRY	No Rain	0

*Red color warning does not mean "Red Alert" Red color 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)

Fig. 1: Maximum Temperatures Dated 2025-12-30

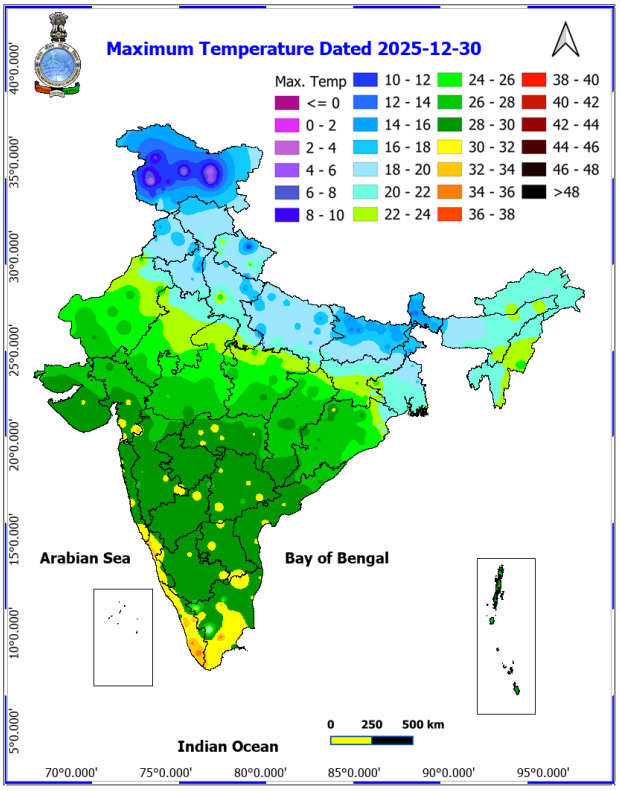


Fig. 2: Departure of Maximum Temp. Dated 2025-12-30

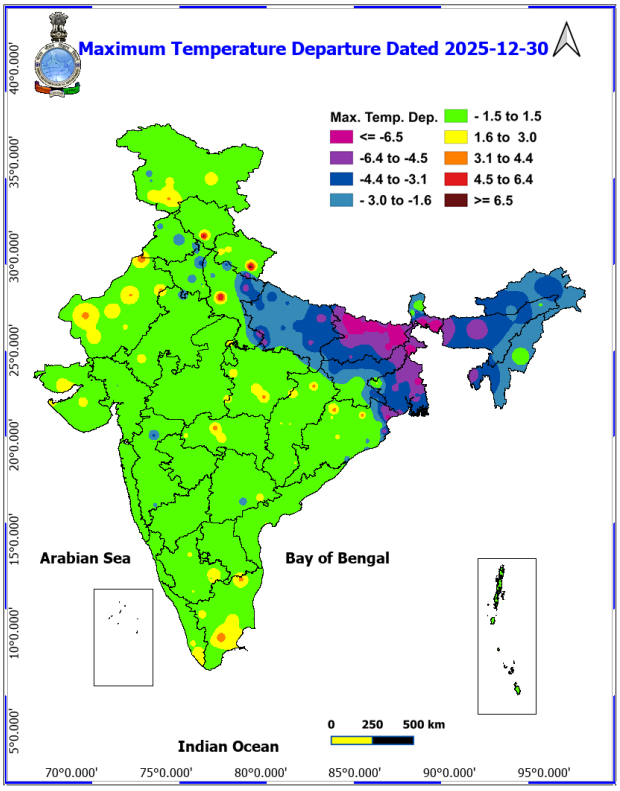


Fig. 3: Minimum Temperatures Dated 2025-12-31

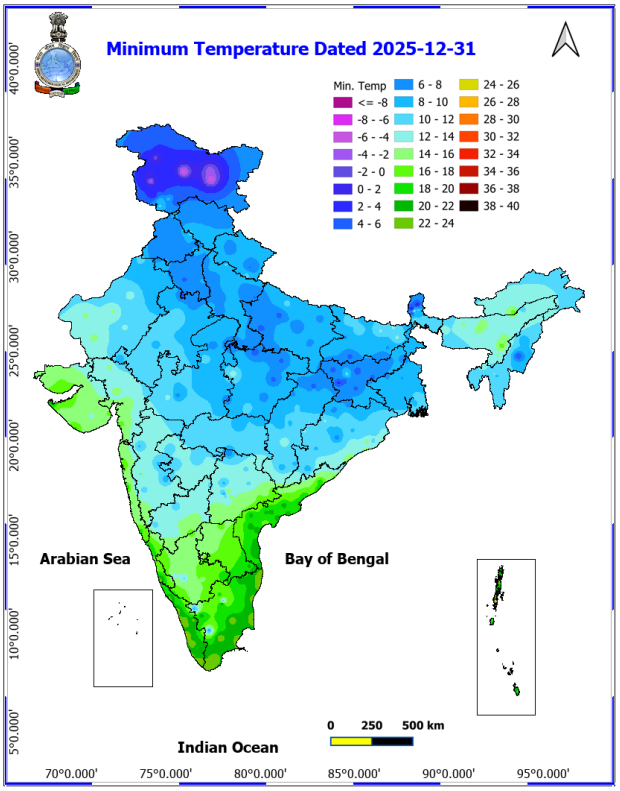
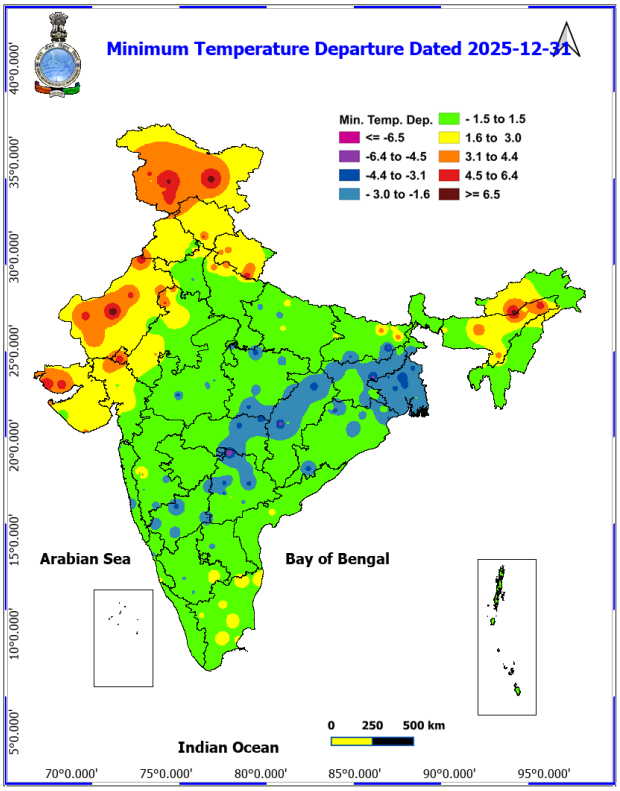
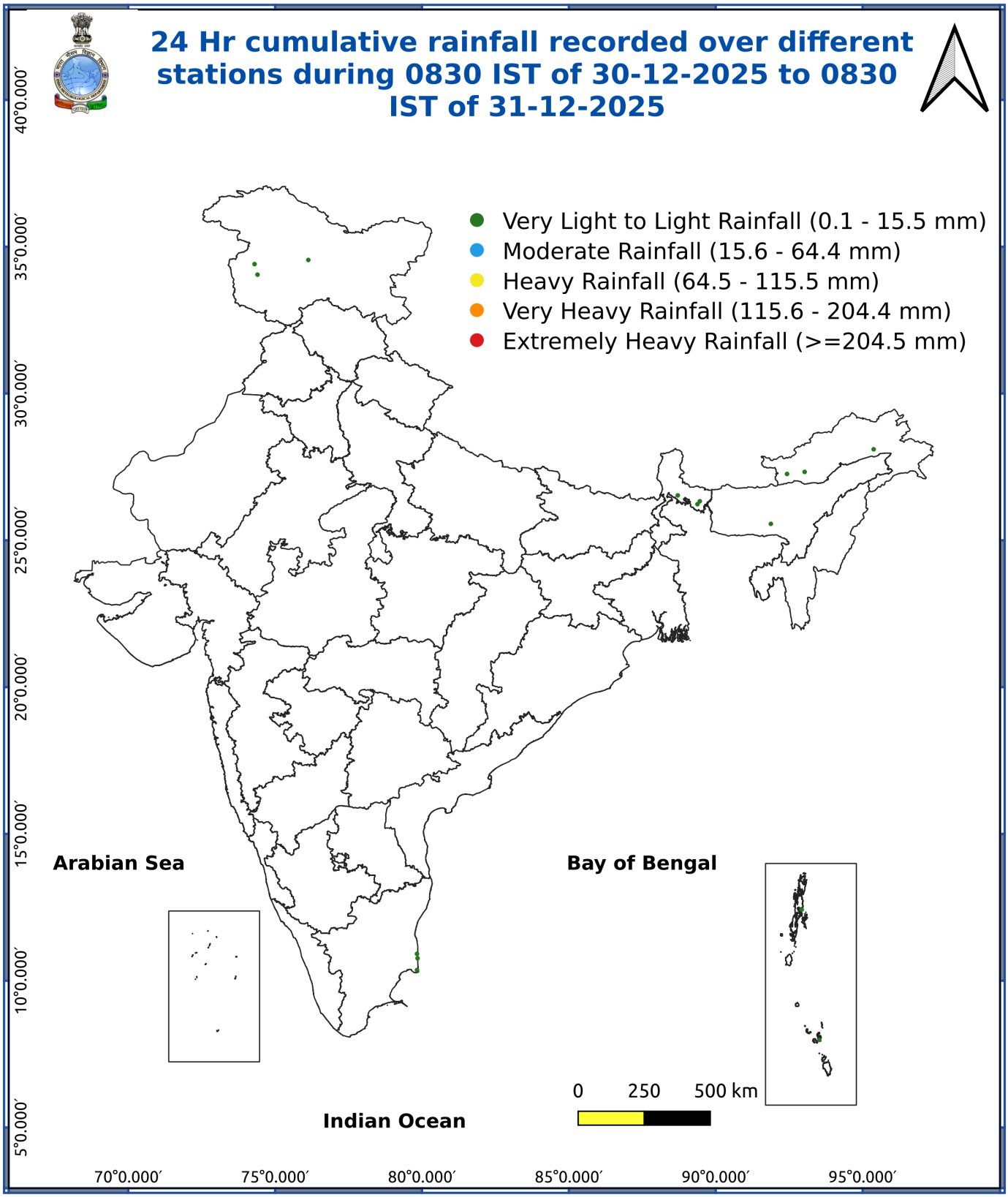


Fig. 4: Departure of Minimum Temp. Dated 2025-12-31



24 Hr cumulative rainfall recorded over different stations during 0830 IST of 30-12-2025 to 0830 IST of 31-12-2025



Impace and Actions

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

- **Dense to Very dense** fog conditions very likely to continue during night/morning hours over Odisha, Punjab, Haryana, Chandigarh & Delhi till 05th; East Uttar Pradesh till 02nd; West Rajasthan till 03rd 2026.
- **Dense fog** conditions also likely during night/morning hours at isolated pockets Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and Jharkhand till 02nd; over Himachal Pradesh, Uttarakhand, Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura till 05th ; Uttar Pradesh, Bihar, Punjab and Haryana, Chandigarh & Delhi till 7th ; west Rajasthan till 04th ; East Rajasthan during 02nd -04th; Madhya Pradesh till 01st and during 04th & 05th ; Gangetic West Bengal till 03rd January 2026.

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.

- **Cold wave** conditions very likely in isolated pockets of Himachal Pradesh during 02nd-04th; Punjab and Haryana Chandigarh & Delhi during 03rd-05th; Rajasthan on 05th & 06th ; Telangana on 01st January 2026.

- An increased likelihood of various illnesses like flu, running/ stuffy nose or nosebleed, which usually set in or get aggravated due to prolonged exposure to cold.
- Do not ignore shivering. It is the first sign that the body is losing heat. Get Indoors.
- Frostbite can occur due to prolonged exposure to cold. The skin turns pale, hard and numb and eventually

black blisters appear on exposed body parts such as fingers, toes, nose and or earlobes. Severe frostbite needs immediate medical attention and treatment.
- Impact on agriculture, crop, livestock, water supply, transport and power sector at some places.

Action suggested:

- Wear several layers of loose fitting, light weight; warm woollen clothing.
- Cover your head, neck, hands and toes adequately as majority of heat loss occurs through these body parts. Wear several layers of loose fitting, light weight; warm woollen clothing rather than one layer of heavy cloth.
- Eat vitamin-C rich fruits & vegetable and drink sufficient fluids preferably warm fluids to maintain adequate immunity.
- Avoid or limit outdoor activities.
- Keep dry, if wet, change cloths immediately to prevent loss of body heat. Wear insulated/waterproof shoes.
- Warm the affected area of the body slowly with lukewarm water; do not rub the skin vigorously.
- If the affected skin area turns black, immediately consult a doctor.
- Maintain ventilation while using Heaters to avoid inhaling toxic fumes.
- Take safety measures while using electrical and gas heating devices.
- Extreme care needed for vulnerable people.
- Seek medical attention as soon as possible for someone suffering from frostbite/ Hypothermia.
- Protect livestock from cold weather.

- **Cold day conditions** very likely at isolated pockets over East Uttar Pradesh, West Bengal & Sikkim, Himachal Pradesh andUttarakhand on 31st Dec; Punjab and Haryana Chandigarh & Delhi on 01st January; Bihar on 31st December and 01st January 2026.

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- Avoid or limit outdoor activities.
- Keep dry, if wet, change cloths immediately to prevent loss of body heat. Wear insulated/waterproof shoes.
- Warm the affected area of the body slowly with lukewarm water; do not rub the skin vigorously.
- If the affected skin area turns black, immediately consult a doctor.
- Maintain ventilation while using Heaters to avoid inhaling toxic fumes.
- Take safety measures while using electrical and gas heating devices.
- Extreme care needed for vulnerable people.
- Seek medical attention as soon as possible for someone suffering from frostbite/ Hypothermia.
- Protect livestock from cold weather.

Agromet advisories for various parts of the country

Agromet advisories for likely impact of Cold Waves / Low Temperatures

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

Livestock / Poultry

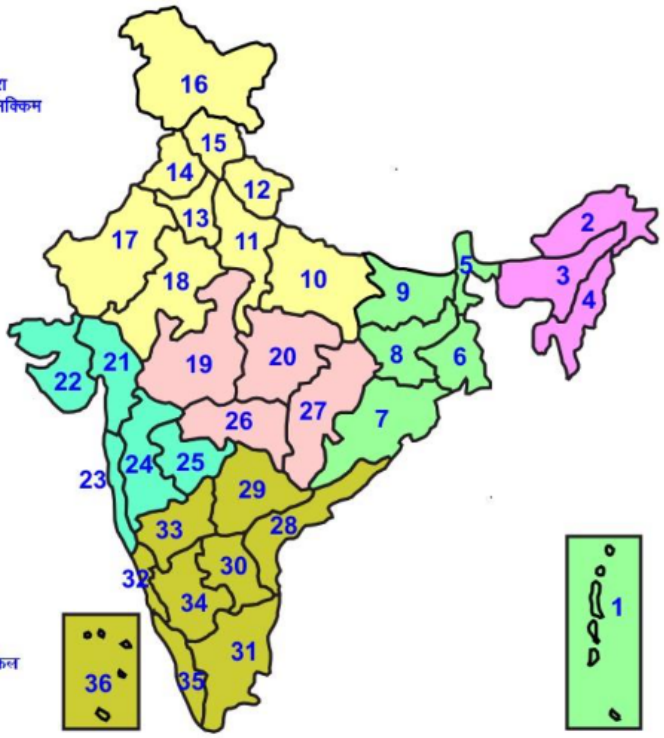
- Keep cattle inside the sheds during night and provide dry bedding to protect them from cold.
- Keep the chicks warm by providing artificial light in the poultry sheds.

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

1 अंडमान और निकोबार द्वीप समुह
2 अरुणाचल प्रदेश
3 असम और मेघालय
4 नागालैंड मनीपुर मीजोरम और त्रिपुरा
5 उप हिमालय पश्चिम बंगाल एंवम् सिक्किम
6 पश्चिम गांगेय बंगाल
7 ओडिसा
8 झारखंड
9 बिहार
10 पूर्वी उत्तर प्रदेश
11 पश्चिम उत्तर प्रदेश
12 उत्तराखंड
13 हरियाणा चंडिगढ़ एंवम् दिल्ली
14 पंजाब
15 हिमाचल प्रदेश
16 जम्मू एवंम कश्मीर एवंम लद्दाख
17 पश्चिम राजस्थान
18 पूर्वी राजस्थान
19 पश्चिम मध्य प्रदेश
20 पूर्वी मध्य प्रदेश
21 गुजरात क्षेत्र
22 सौराष्ट्र एंवम् कच्छ
23 कोंकण एंवम् गोवा
24 मध्य महाराष्ट्र
25 मराठावाडा
26 विदर्भ
27 छत्तीसगढ़
28 तटीय आंध्र प्रदेश एवं यनम
29 तेलंगाना
30 रायलसीमा
31 तमिलनाडु ,पुदुचेरी एवंम कराईकल
32 तटिय कर्नाटक
33 आंतरिक उत्तरी कर्नाटक
34 आंतरिक दक्षिणी कर्नाटक
35 केरल एवंम 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. Orissa
8. Jharkhand
9. Bihar
10. East Uttar Pradesh
11. West Uttar Pradesh
12. Uttarakhand
13. Haryana, Chd & Delhi
14. Punjab
15. Himachal Pradesh
16. Jammu & Kashmir and Ladakh
17. West Rajsthan
18. East Rajasthan
19. West Madhya Pradesh
20. East Madhya Pradesh
21. Gujarat
22. Saurashtra
23. Konkan & Goa
24. Madhya Maharashtra
25. Marathawada
26. Vidharbha
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 Widespred (FWS/ Many Places)	1-25	Isolated (ISOL)

Subdivision Colour

- NO WARNING
- WATCH (BE UPDATED)
- 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

Heavy Rain
Very Heavy Rain
Extremely Heavy Rain
Heavy Snow
Thunderstorm & Lightning
Hailstrom
Dust Strom
Dust Raising Winds
Strong surface winds
Heat Wave
Hot Day
Warm Night
Cold Wave
Cold Day
Ground Frost
Fog
Hot & Humid

*Red color warning does not mean "Red Alert" Red color 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)

LEGENDS

WARNING

WARNING (TAKE ACTION)
ALERT (BE PREPARED)
WATCH (BE UPDATED)
NO WARNING (NO ACTION)

Probabilistic Forecast

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

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)