

2025-12-27

Time of Issue: 13:32:00 hours IST
(Mid-Day)

ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

Significant Weather Features

Weather Forecast:

Scattered to fairly widespread light/moderate rainfall/snowfall very likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 30th December-02nd January and Isolated to scattered light/moderate rainfall/snowfall over Himachal Pradesh and Uttarakhand during 30th December-02nd January.

Isolated Thunderstorm and lightning with gusty wind speed (30-40kmph) likely to prevail over Andaman & Nicobar Islands during 27th -31st December.

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

Minimum temperatures were **below 5°C** at many places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad; at a few places over Himachal Pradesh; at isolated places over Uttarakhand; in the **range of 5°-10°C** at many places over Haryana, Chandigarh & Delhi, Uttar Pradesh, East Rajasthan, Madhya Pradesh; at isolated places over Punjab and Jharkhand.

Minimum Temperatures departures were **below normal (-1.6°C to -3.0°C)** at many places over Madhya Pradesh, Vidarbha; isolated places over Interior Karnataka, Telangana, Rayalaseema; **appreciably below normal (-5.0°C to -3.1°C)** at isolated places over Chhattisgarh and Odisha.

Minimum Temperatures show rising tendency during past 24 hours by 1-4°C at some places over Uttar Pradesh; at isolated places over West Rajasthan, Bihar, Gangetic West Bengal, Saurashtra & Kutch and North Interior Karnataka; **falling tendency by 1-3°C** at some places over Jammu-Kashmir, Himachal Pradesh, East Rajasthan, Madhya Pradesh; at isolated places over Uttarakhand and Odisha. **The lowest minimum temperature of 3.8°C was observed over Rajgarh (West Madhya Pradesh) over the plains of India.**

The lowest maximum temperature of 13.1 °C was observed over Sultanpur (East Uttar Pradesh) over the plains of India.

Forecast of minimum temperatures:

No significant change in minimum temperature very likely over Northwest India for next 2 days and gradual rise by 2-4°C during subsequent 3 days and fall by about 2°C thereafter.

No significant change in minimum temperature very likely over Central & East India for next 3-4 days and gradual rise by 2-3°C thereafter for subsequent 3 days.

No significant change in minimum temperature over remaining parts of the country during next 7 days.

Dense Fog, Cold wave & Cold day Warnings:

Dense to very dense fog conditions during night/morning hours very likely in isolated pockets of Assam till 28th; Himachal Pradesh till 30th; with **Dense fog conditions** during night/morning hours very likely in isolated pockets over Himachal Pradesh on 31st December & 01st January; East Madhya Pradesh, Arunachal Pradesh till 29th; Jammu division till 30th December; Sub-Himalayan West Bengal till 31st December; Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Odisha till 01st January.

***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)

Dense to very dense fog conditions very likely to prevail in night/morning hours in few parts of Punjab, Haryana-Chandigarh till 30th December and in isolated pockets for next day.

Dense to very dense fog conditions very likely to prevail in night/morning hours in some/many parts of Uttar Pradesh till 31st December; **Dense fog conditions** in isolated pockets for subsequent 2 days.

Cold wave conditions very likely in isolated pockets of Punjab, Haryana, Chandigarh & Delhi, north Rajasthan, Madhya Pradesh, Chhattisgarh during 28th-30th; Jharkhand on 28th December.

Cold day conditions very likely at isolated pockets over East Uttar Pradesh and Bihar on 27th & 28th December.

Main Weather Observations:

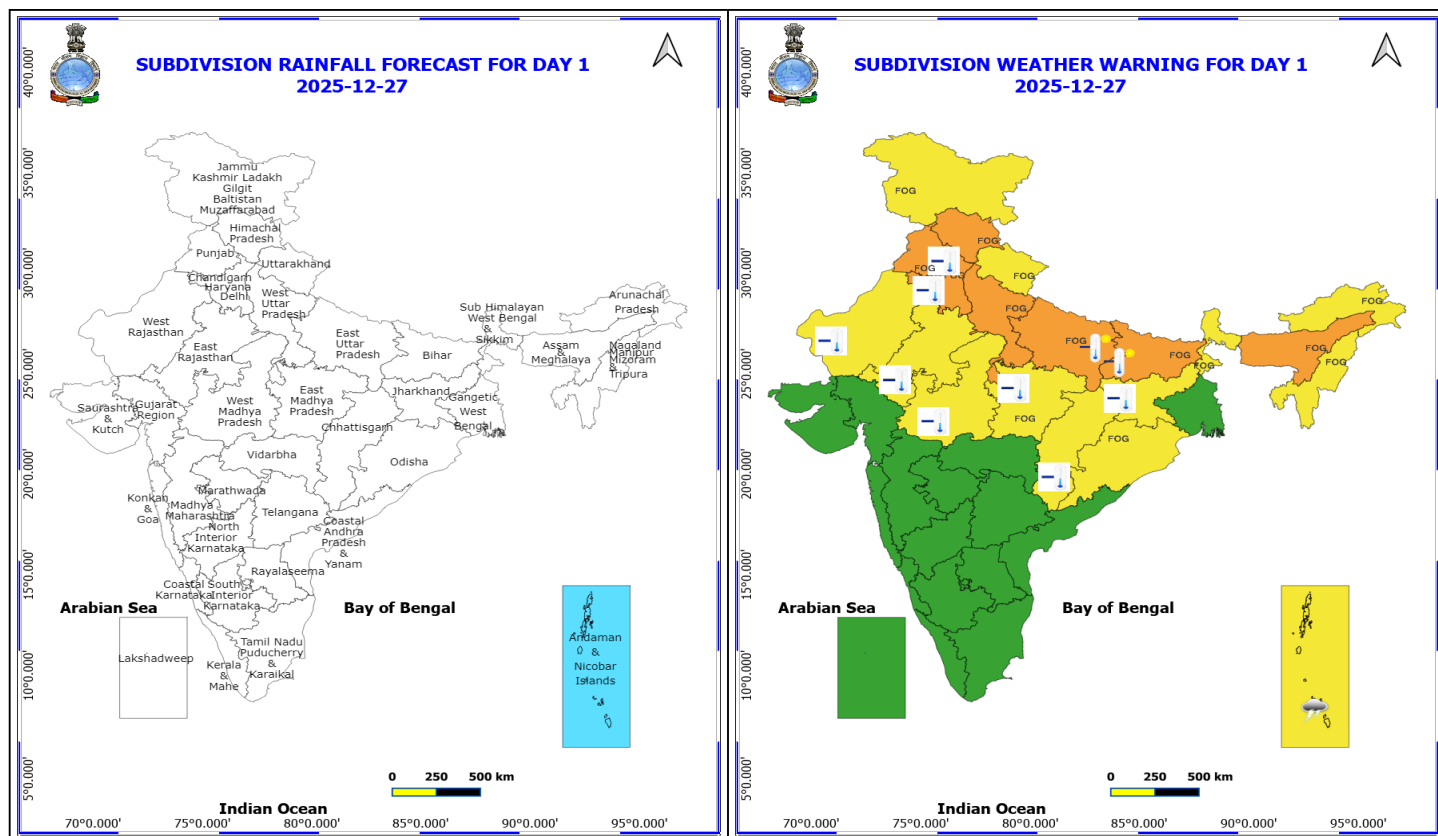
- ❖ **Rainfall distribution** (from 0830 hours IST of yesterday to 0830 hours IST of today): **at isolated places** over Tamil Nadu, Puducherry & Karaikal; **Dry** over rest of the country.
- ❖ **Fog Condition Observed (at 0830 hours of today):** **Dense to very Dense fog(visibility <50 m)** prevailed in some/many parts of Punjab, Haryana, Chandigarh and Uttar Pradesh; in isolated pockets of Jammu division, Assam, Himachal Pradesh, Sub-Himalayan West Bengal; **dense fog (visibility 50-199 m):** reported in isolated pockets of Uttarakhand, Manipur & Tripura and Bihar.
- ❖ **Visibility reported (at 0830 hours of today):** **Jammu-Kashmir:** Udhampur IAF (0); **Punjab:** Amritsar, Jalandhar(0 each), Patiala(40), Ludhiana(50), Gurdaspur & Ballawal Saunkri (50 to 200); **Haryana & Chandigarh:** Chandigarh(20), Chandigarh IAF(<50), Ambala(40), Karnal(60); **East Uttar Pradesh:** Prayagraj(IAF) & Kushinagar(AP) 0: Hardoi(20); Bahraich, Prayagraj, Ballia(40); Fatehgarh, Fursatganj, Varanasi AP, Gorakhpur (50); L. Kheri(70); Banda (90); Gorakhpur(IAF) (100); Varanasi BHU(150); **West Uttar Pradesh:** Shahjanpur(IAF), Bareilly IAF, Aligarh(AP) & Moradabad(AP) (0 each); Muzaffarnagar, Bareilly(30); Meerut(40), Aligarh(70); Shahjanpur-(200); **Assam:** Tezpur (20), Dhubri (150); **Himachal Pradesh:** Sundernagar (30), Bilaspur (50); **Uttarakhand:** Pantnagar, Khatima(50 each); **Manipur & Tripura:** Agartala (50), Imphal (100); **Sub-Himalayan West Bengal:** Coochbehar (<50); Bagdogra (50); Jalpaiguri, Malda (100); **Bihar:** Gaya (50); Patna (150).
- ❖ **Minimum Temperature Departures (as on 27-12-2025):** **below normal (-1.6°C to -3.0°C)** at many places over Madhya Pradesh, Vidarbha; isolated places over Interior Karnataka, Telangana, Rayalaseema; **appreciably below normal (-5.0°C to -3.1°C)** at isolated places over Chhattisgarh and Odisha. **The lowest minimum temperature of 3.8°C was observed over Rajgarh (West Madhya Pradesh) over the plains of India.**
- ❖ **Maximum Temperature Departures (as on 26-12-2025):** **below normal(-1.6°C to -3.0°C)** at many places over Jharkhand. **The highest maximum temperature** of 35.2°C is reported at KARWAR (KARNATAKA) and KOTTAYAM (KERALA).

Meteorological Analysis (Based on 0830 hours IST)

- The **Western Disturbance** as a trough in middle tropospheric westerlies with its axis at 5.8 km above mean sea level now runs roughly along Long. 68°E to the north of Lat. 32°N.
- **Subtropical westerly Jet Stream** with core winds of the order of 125 knots at 12.6 km above mean sea level continues to prevail over Northeast India.
- A fresh **Western Disturbance** is likely to affect western Himalayan region from 30th December, 2025.

Weather Outlook for subsequent 3 days

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



27 December (Day 1)

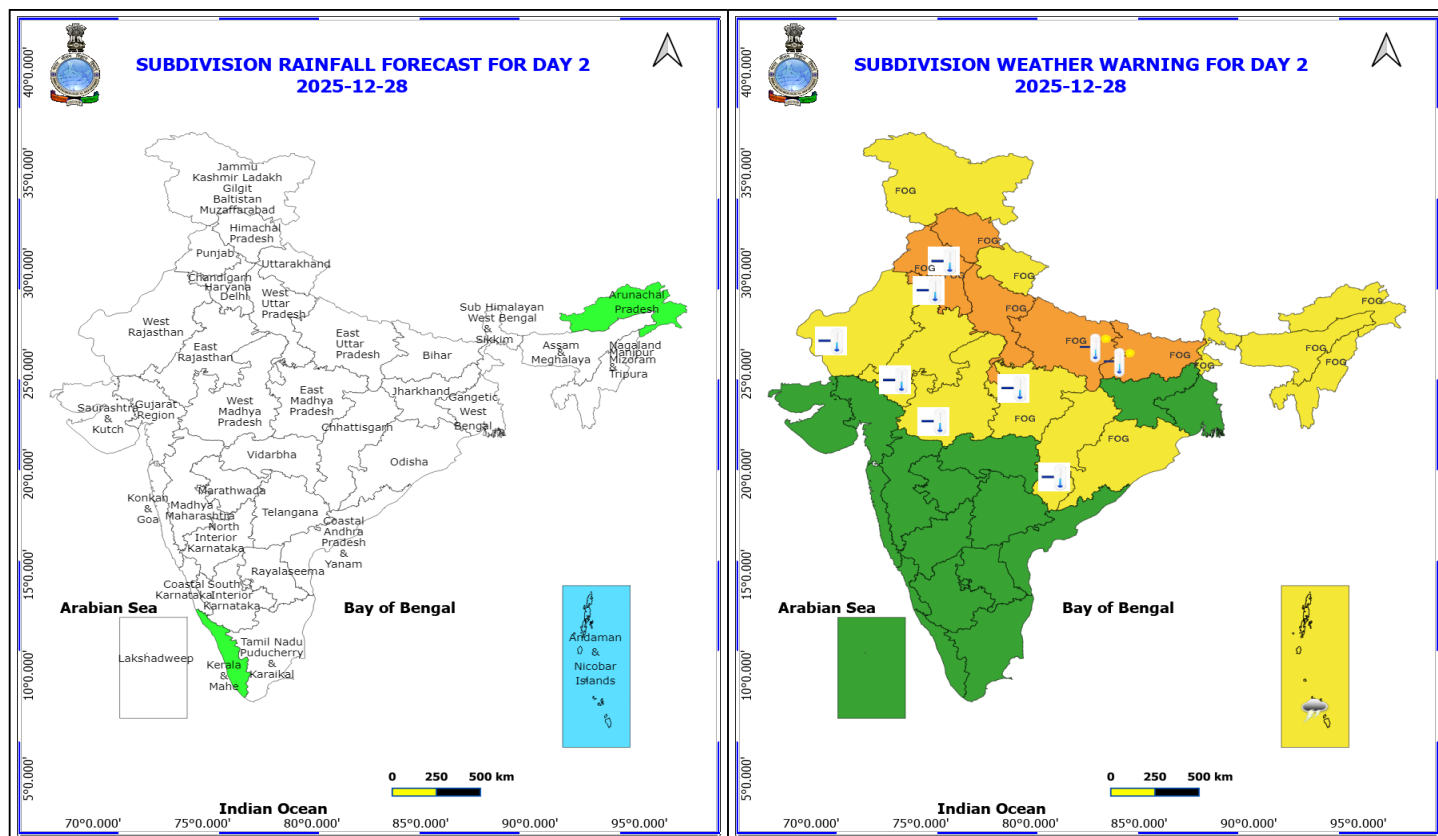
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Andaman & Nicobar Islands.
- ❖ **Cold wave conditions** very likely at isolated places over Chhattisgarh, Haryana, Chandigarh & Delhi, Jharkhand, Madhya Pradesh, Punjab and north Rajasthan.
- ❖ **Cold Day conditions** very likely at isolated places over Bihar and East Uttar Pradesh.
- ❖ **Dense Fog** very likely at isolated places over Arunachal Pradesh, Bihar, East Madhya Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Nagaland, Manipur, Mizoram and Tripura, Odisha, Sub Himalayan West Bengal & Sikkim and Uttarakhand.
- ❖ **Dense to Very Dense Fog** very likely at isolated places over Assam & Meghalaya, Haryana, Chandigarh & Delhi, Himachal Pradesh, Punjab and Uttar Pradesh.
- ❖ Squally winds with speeds reaching 45 kmph to 55 kmph gusting to 65 kmph is likely to prevail over Gulf of Mannar & adjoining some parts of Comorin area.

*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)



28 December (Day 2)

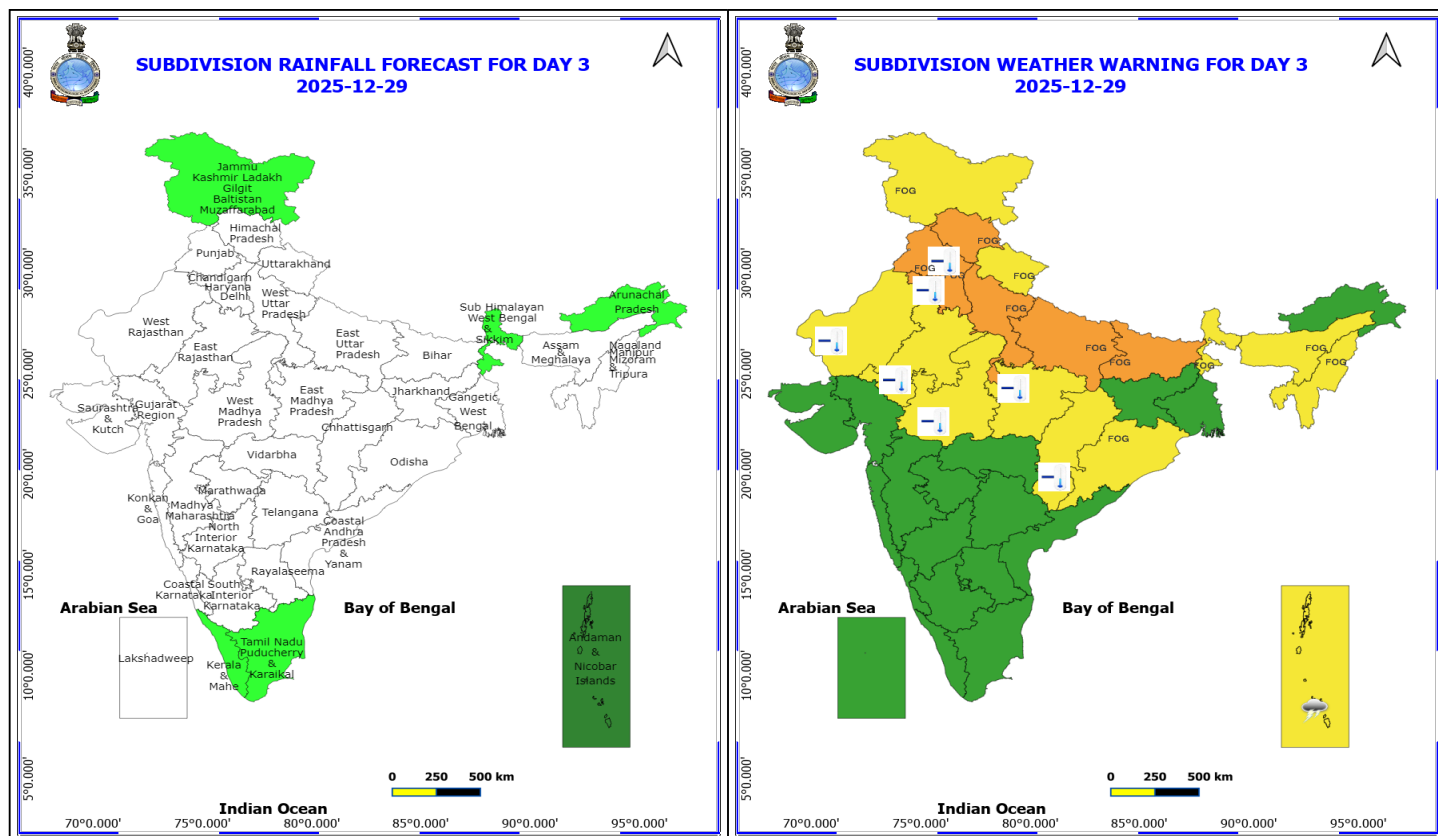
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Andaman & Nicobar Islands.
- ❖ **Cold wave conditions** very likely at isolated places over Chhattisgarh, Haryana, Chandigarh & Delhi, Madhya Pradesh, Punjab and north Rajasthan.
- ❖ **Cold Day conditions** very likely at isolated places over Bihar and East Uttar Pradesh.
- ❖ **Dense Fog** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Bihar, East Madhya Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Nagaland, Manipur, Mizoram and Tripura, Odisha, Sub Himalayan West Bengal & Sikkim and Uttarakhand.
- ❖ **Dense to Very Dense Fog** very likely at isolated places over Haryana, Chandigarh & Delhi, Himachal Pradesh, Punjab and Uttar Pradesh.
- ❖ Squally winds with speeds reaching 45 kmph to 55 kmph gusting to 65 kmph is likely to prevail over Gulf of Mannar & adjoining some parts of Comorin area.

*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)



29 December (Day 3)

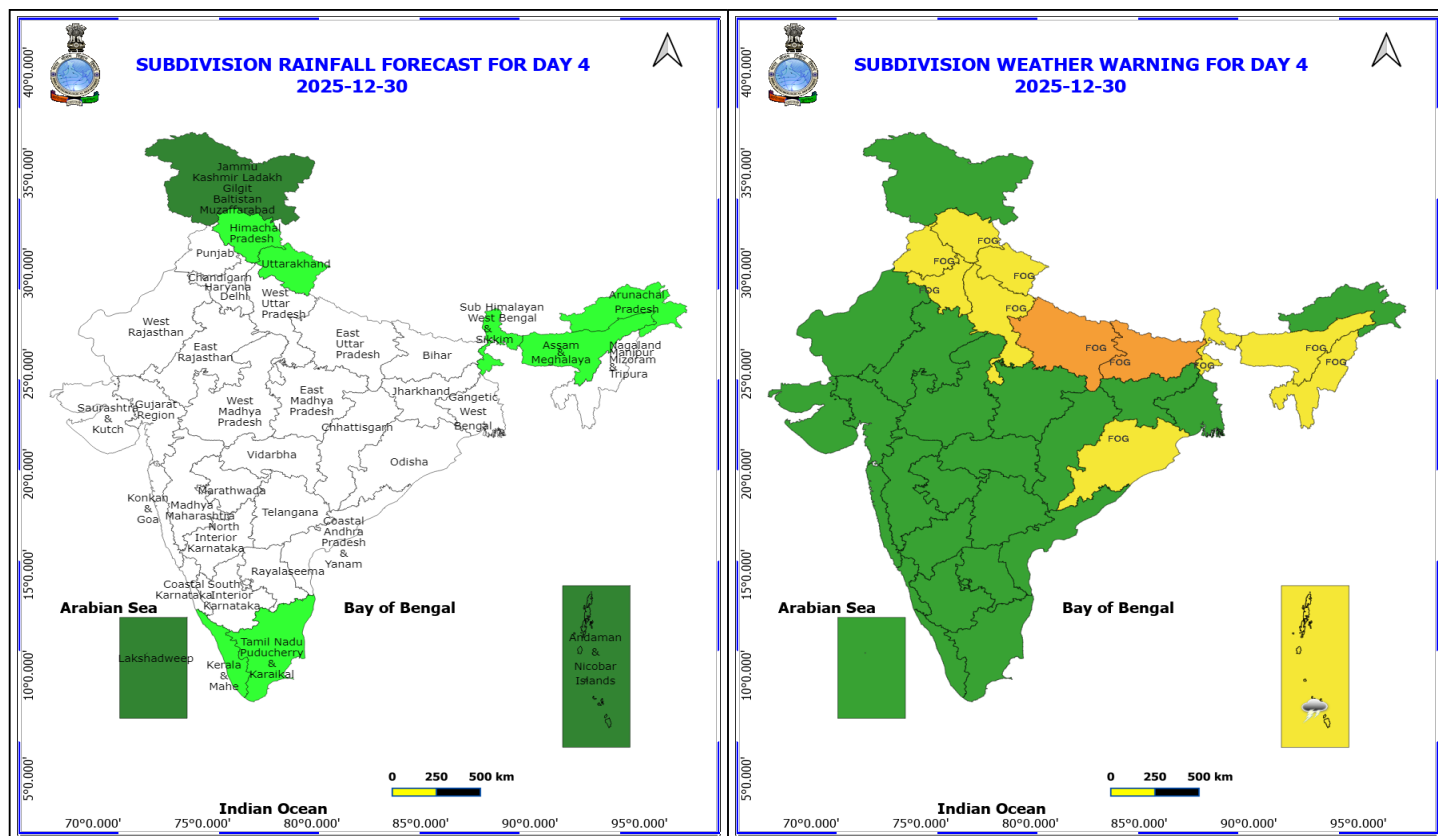
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Andaman & Nicobar Islands.
- ❖ **Cold wave conditions** very likely at isolated places over Chhattisgarh, Haryana, Chandigarh & Delhi, Madhya Pradesh, Punjab and north Rajasthan.
- ❖ **Dense Fog** very likely at isolated places over Assam & Meghalaya, Bihar, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Nagaland, Manipur, Mizoram and Tripura, Odisha, Sub Himalayan West Bengal & Sikkim and Uttarakhand.
- ❖ **Dense to Very Dense Fog** very likely at isolated places over Haryana, Chandigarh & Delhi, Himachal Pradesh, Punjab and Uttar Pradesh.
- ❖ Squally winds with speeds reaching 45 kmph to 55 kmph gusting to 65 kmph is likely to prevail over Gulf of Mannar & adjoining some parts of Comorin area.

*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

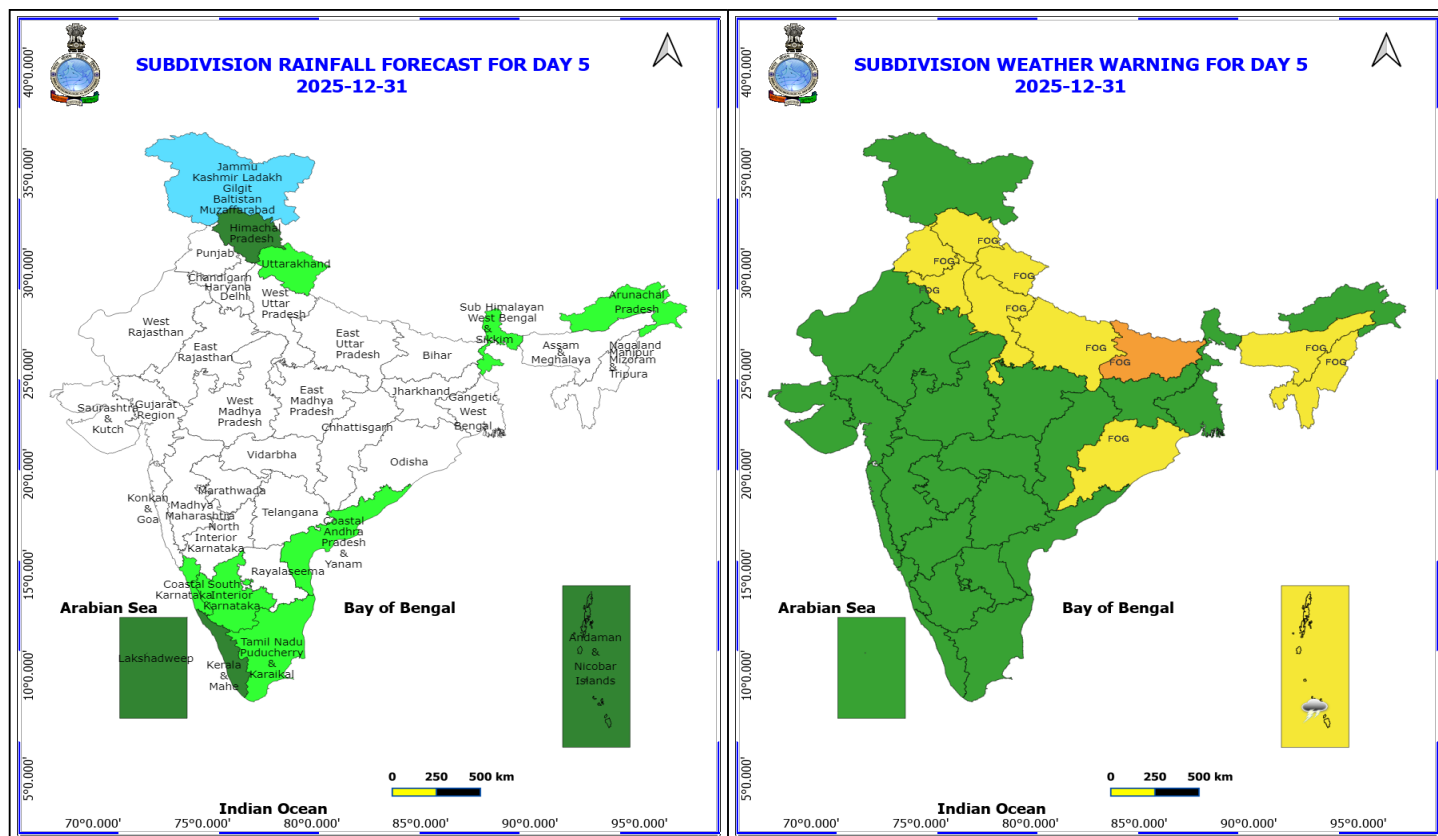
(Service to the nation since 1875)



30 December (Day 4)

- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Andaman & Nicobar Islands.
- ❖ **Dense Fog** likely at isolated places over Assam & Meghalaya, Bihar, Himachal Pradesh, Nagaland, Manipur, Mizoram and Tripura, Odisha, Sub Himalayan West Bengal & Sikkim, Uttarakhand and West Uttar Pradesh.
- ❖ **Dense to Very Dense Fog** likely at isolated places over East Uttar Pradesh, Haryana, Chandigarh & Delhi and Punjab.

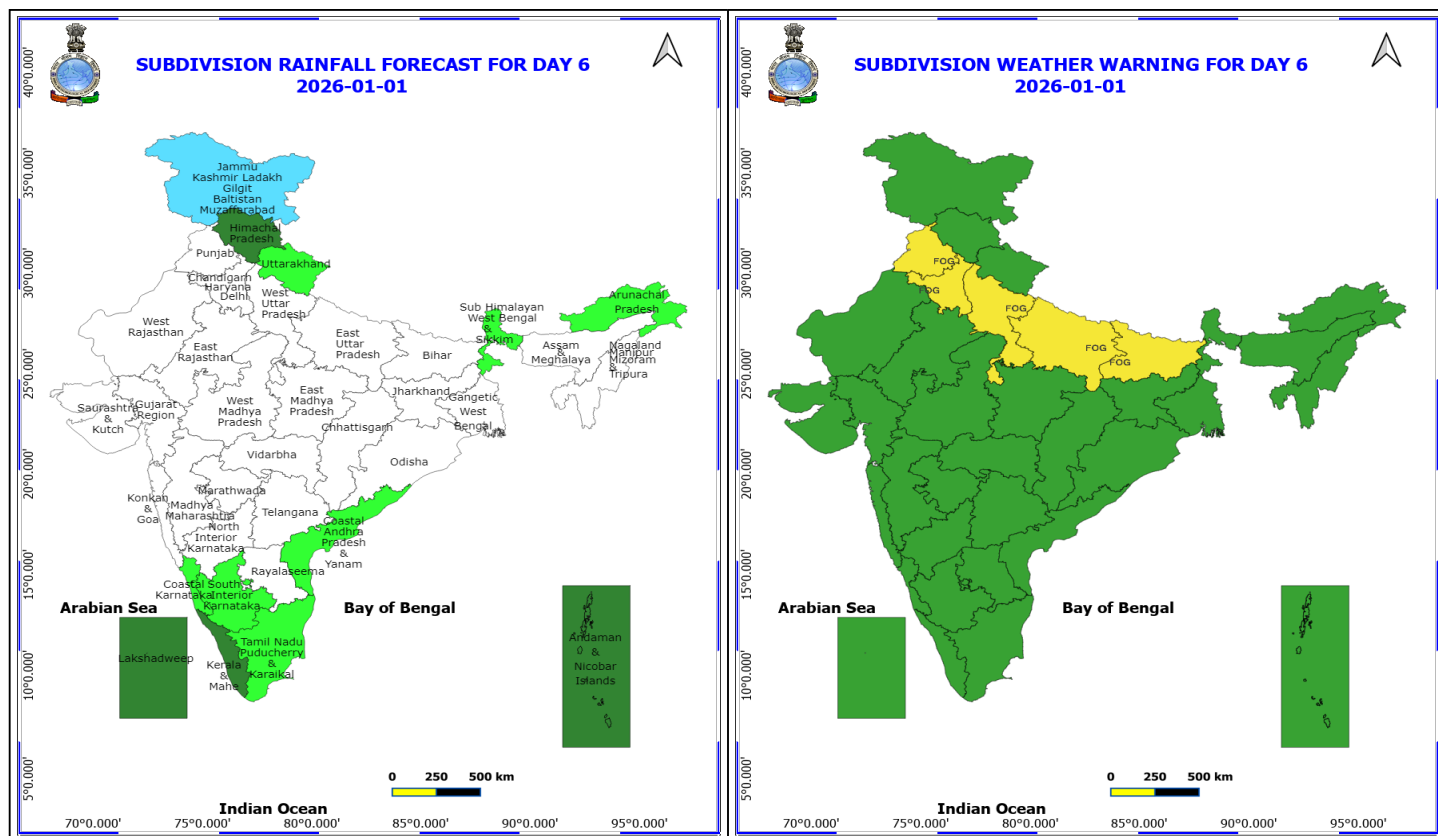
No Fishermen Warning



31 December (Day 5)

- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Andaman & Nicobar Islands.
- ❖ **Dense Fog** likely at isolated places over Assam & Meghalaya, Bihar, Haryana, Chandigarh & Delhi, Himachal Pradesh, Nagaland, Manipur, Mizoram and Tripura, Odisha, Punjab, Uttar Pradesh and Uttarakhand.

No Fishermen Warning



1 January (Day 6)

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

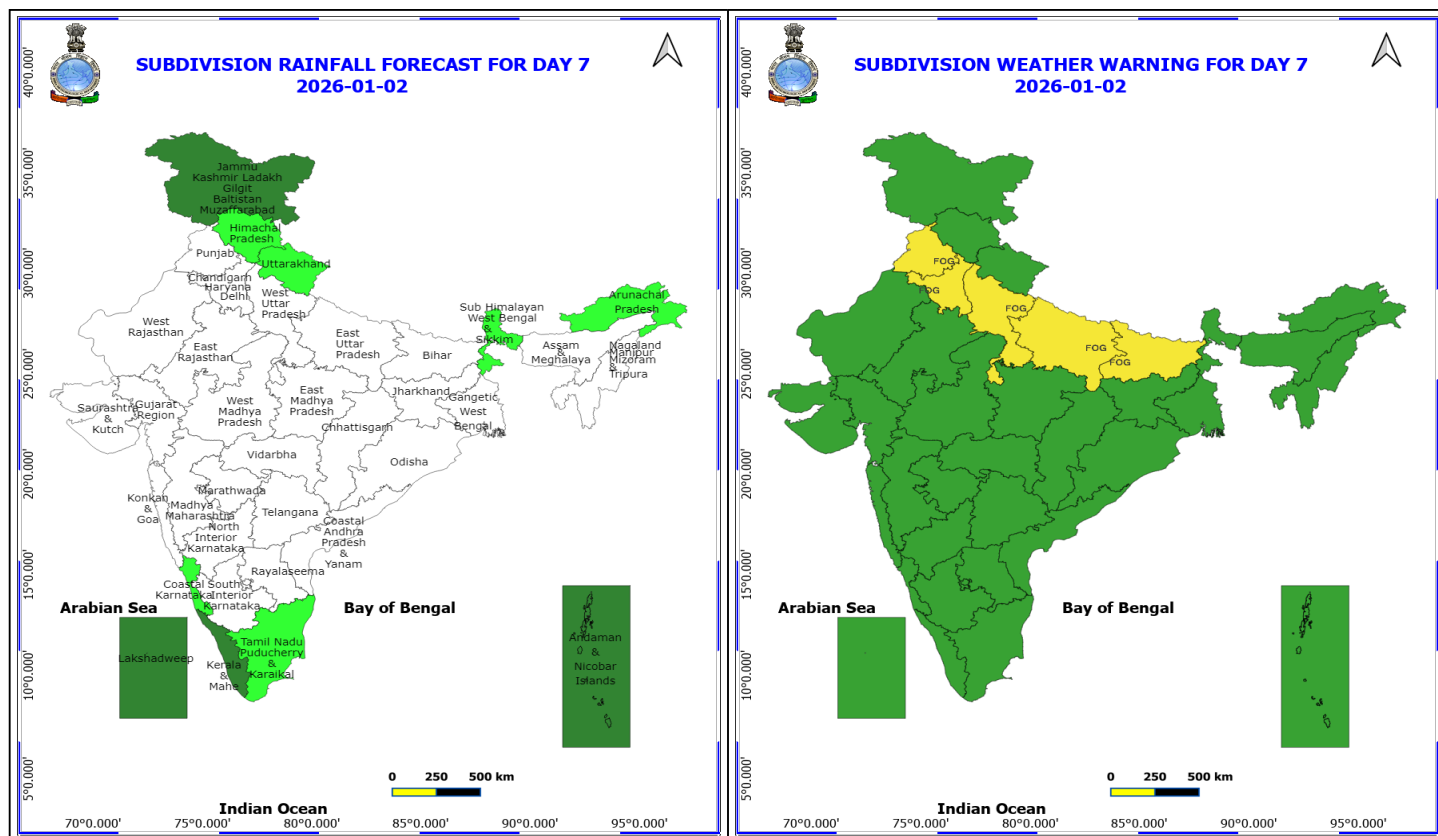
No Fishermen Warning

***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)



2 January (Day 7)

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

No Fishermen Warning

*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)



Table-1

7 Days Rainfall Forecast

S.No.	Subdivision	27- Dec	28- Dec	29- Dec	30- Dec	31- Dec	1- Jan	2- Jan
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	FWS	FWS	SCT	SCT	SCT	SCT	SCT
2	ARUNACHAL PRADESH	DRY	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
3	ASSAM & MEHGHALAYA	DRY	DRY	DRY	ISOL	DRY	DRY	DRY
4	N. M. M. & T.	DRY	DRY	DRY	DRY	DRY	DRY	DRY
5	S.H. WEST BENGAL & SIKKIM	DRY	DRY	ISOL	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	DRY	DRY	DRY	DRY	DRY	DRY
12	UTTARAKHAND	DRY	DRY	DRY	ISOL	ISOL	ISOL	ISOL
13	HARYANA, CHD & DELHI	DRY	DRY	DRY	DRY	DRY	DRY	DRY
14	PUNJAB	DRY	DRY	DRY	DRY	DRY	DRY	DRY
15	HIMACHAL PRADESH	DRY	DRY	DRY	ISOL	SCT	SCT	ISOL
16	JAMMU AND KASHMIR AND LADAKH	DRY	DRY	ISOL	SCT	FWS	FWS	SCT
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	GUJRAT REGION	DRY	DRY	DRY	DRY	DRY	DRY	DRY
22	SAURASHTRA & KUTCH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
23	KONKAN & GOA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
24	MADHYA MAHARASHTRA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
25	MARATHWADA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
26	VIDARBHA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
27	CHATTISGARH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
28	COASTAL ANDHRA PRADESH	DRY	DRY	DRY	DRY	ISOL	ISOL	DRY
29	TELANGANA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
30	RAYALASEEMA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
31	TAMILNADU & PUDUCHERRY	DRY	DRY	ISOL	ISOL	ISOL	ISOL	ISOL
32	COSTAL KARNATAKA	DRY	DRY	DRY	DRY	ISOL	ISOL	ISOL
33	NORTH INTERIOR KARNATAKA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
34	SOUTH INTERIOR KARNATAKA	DRY	DRY	DRY	DRY	ISOL	ISOL	DRY
35	KERALA	DRY	ISOL	ISOL	ISOL	SCT	SCT	SCT
36	LAKSHDWEAP	DRY	DRY	DRY	SCT	SCT	SCT	SCT

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 2025-12-26

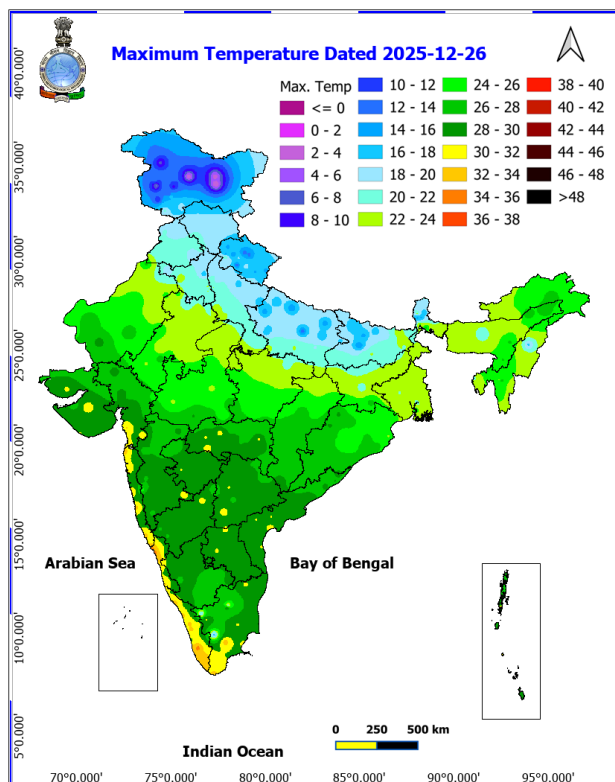


Fig. 2: Departure of Maximum Temp. Dated 2025-12-26

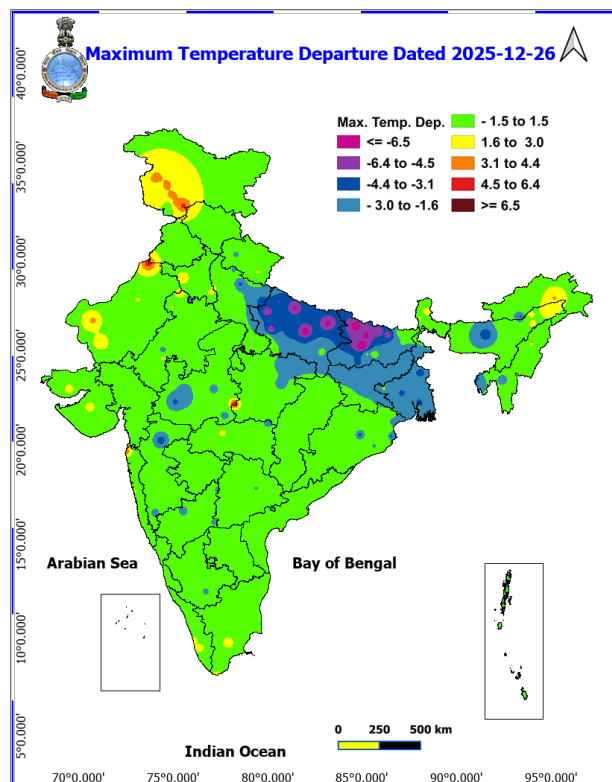


Fig. 3: Minimum Temperatures Dated 2025-12-27

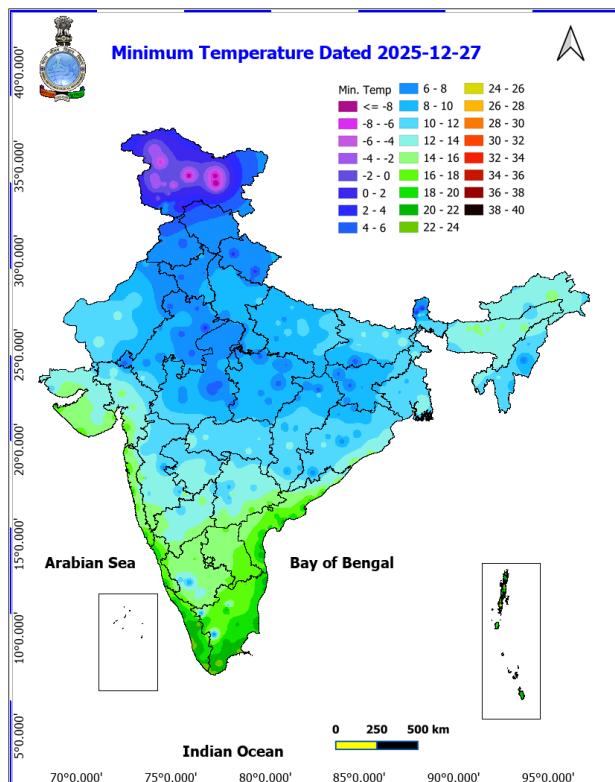
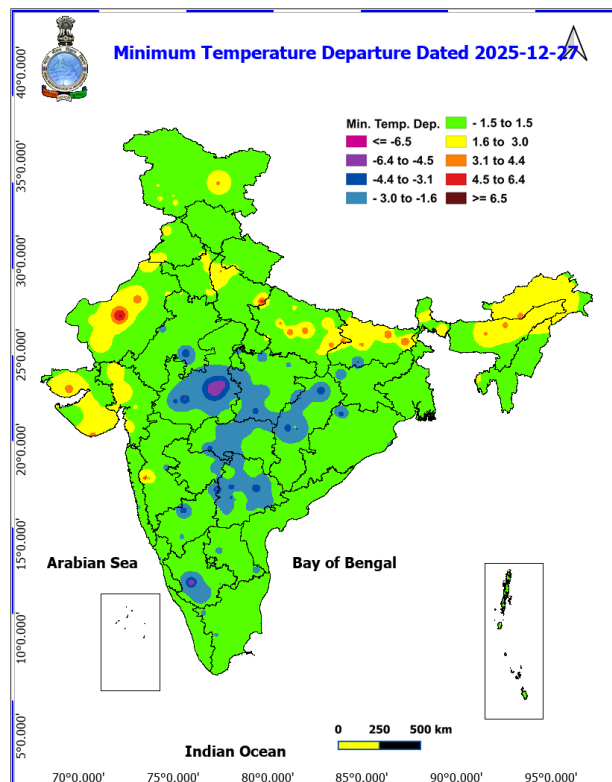
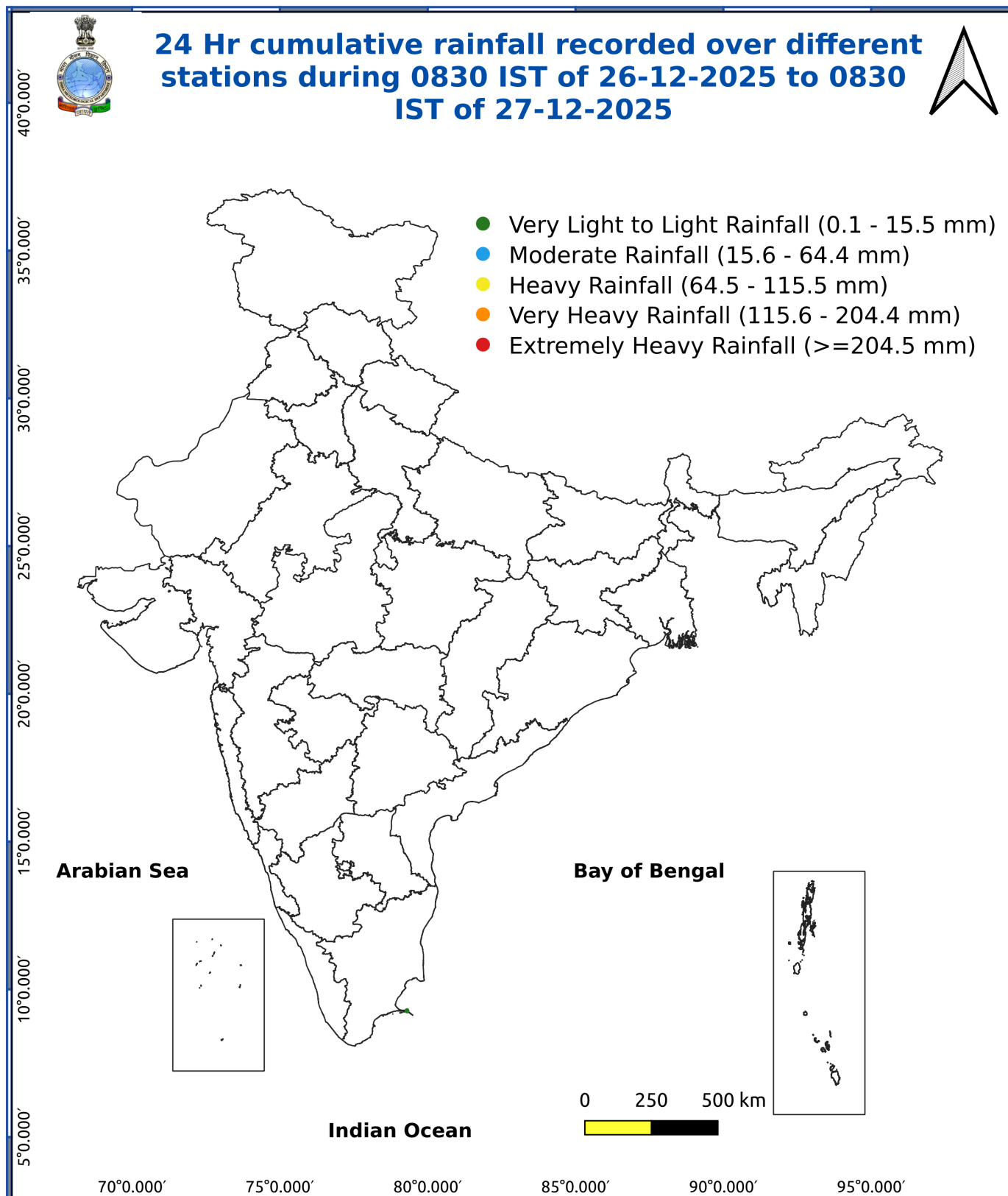


Fig. 4: Departure of Minimum Temp. Dated 2025-12-27





***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)

Impact and Actions

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

Dense to very dense fog conditions during night/morning hours very likely in isolated pockets of Assam till 28th; Himachal Pradesh till 30th; with **Dense fog conditions** during night/morning hours very likely in isolated pockets over Himachal Pradesh on 31st December & 01st January; East Madhya Pradesh, Arunachal Pradesh till 29th; Jammu division till 30th December; Sub-Himalayan West Bengal till 31st December; Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Odisha till 01st January.

Dense to very dense fog conditions very likely to prevail in night/morning hours in few parts of Punjab, Haryana-Chandigarh till 30th December and in isolated pockets for next day.

Dense to very dense fog conditions very likely to prevail in night/morning hours in some/many parts of Uttar Pradesh till 31st December; Dense fog conditions in isolated pockets for subsequent 2 days.

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.

Impact expected due to Cold Wave conditions in isolated pockets of Punjab, Haryana, Chandigarh & Delhi, north Rajasthan, Madhya Pradesh, Chhattisgarh during 28th-30th; Jharkhand on 28th December.

- 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.

***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)

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.

Impact expected due to Cold Day conditions: Cold day conditions at isolated pockets over East Uttar Pradesh and Bihar on 27th & 28th December.

- 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.

Agromet advisories for various parts of the country

Agromet advisories for likely impact of Cold Waves / Low Temperatures

In **Punjab, Haryana, Madhya Pradesh, Chhattisgarh** and **Jharkhand**, 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

***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)

Keep cattle inside the sheds during night and provide dry bedding to protect them from cold.

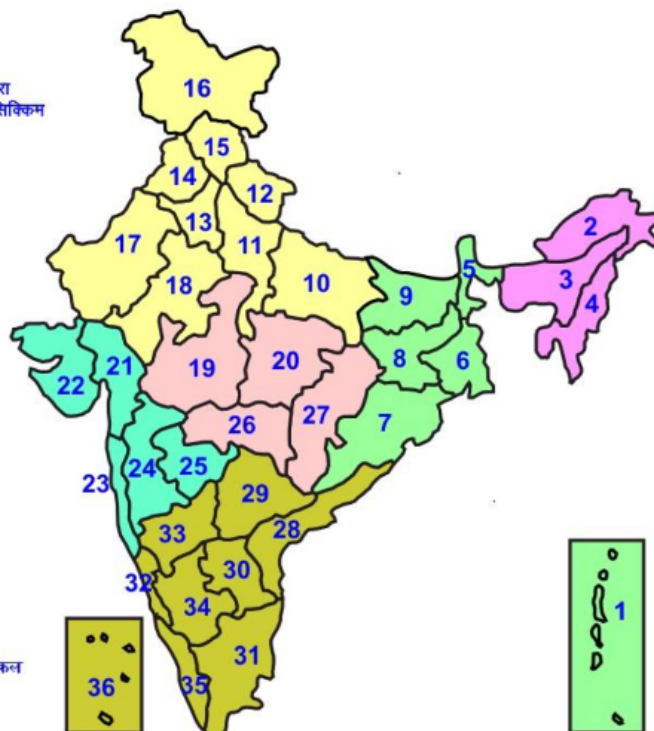
Keep the chicks warm by providing artificial light in the poultry sheds.

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 एवं सिक्किम
- 6 पश्चिम बंगाल
- 7 ओडिसा
- 8 झारखंड
- 9 बिहार
- 10 पूर्वी उत्तर प्रदेश
- 11 पश्चिम उत्तर प्रदेश
- 12 उत्तराखंड
- 13 हरियाणा चंडीगढ़ एवं दिल्ली
- 14 पंजाब
- 15 हिमाचल प्रदेश
- 16 जम्मू एवं कश्मीर एवं लद्दाख
- 17 पश्चिम राजस्थान
- 18 पूर्वी राजस्थान
- 19 पश्चिम मध्य प्रदेश
- 20 पूर्वी मध्य प्रदेश
- 21 गुजरात क्षेत्र
- 22 सौराष्ट्र एवं कच्छ
- 23 कोंकण एवं गोवा
- 24 मध्य महाराष्ट्र
- 25 मराठावाड़ा
- 26 विदर्भ
- 27 छत्तीसगढ़
- 28 तटीय आंध्र प्रदेश एवं यनम
- 29 तेलंगाना
- 30 रायलसीमा
- 31 तमिलनाडु, पुदुचेरी एवं कराईकल
- 32 तटिय कर्नाटक
- 33 आंतरिक उत्तरी कर्नाटक
- 34 आंतरिक दक्षिणी कर्नाटक
- 35 केरल एवं 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 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. 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 Widespread (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
-  Hailstorm
-  Dust Storm
-  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



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



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 $\geq 37^{\circ}\text{C}$



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 $> 6.4^{\circ}\text{C}$.



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 $\leq 15^{\circ}\text{C}$



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 $\leq -6.5^{\circ}\text{C}$



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



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



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



Ice deposits on ground

Air temperature $\leq 4^{\circ}\text{C}$ (over Plains)



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

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



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



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 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)