

2026-01-29

Time of Issue: 13:50:00 hours IST
(Mid-Day)

ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

Significant Weather Features

Weather Forecast and Warnings

- ♦ **Isolated** light/moderate rainfall **accompanied with thunderstorm, lightning** very likely over Madhya Pradesh on 01st & 02nd February and Chhattisgarh on 02nd February.
- ♦ A fresh **western disturbance** is likely to affect northwest India from the night of 30th January 2026. Under its influence, scattered to fairly widespread rainfall/snowfall with **thunderstorm, lightning & gusty winds speed reaching 30-40 kmph** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 31st January and 01st February; Himachal Pradesh, Punjab, Haryana and Chandigarh on 01st February and Uttarakhand on 01st & 02nd February. **Isolated** light rainfall with **thunderstorm, lightning** likely over Rajasthan during 31st January-03rd February.
- ♦ **Ground frost** conditions likely to prevail over Uttarakhand on 29th & 30th January.

Forecast of minimum temperatures:

- ♦ No significant change likely over Northwest India during next 2 days; gradual rise by 3-5°C during subsequent 3 days and gradual fall by 2-4°C during subsequent 2 days thereafter.
- ♦ Gradual rise in minimum temperatures by 2-3°C likely over Central India during next 24 hours; gradual fall by 2-3°C during subsequent 2 days and no significant change thereafter.
- ♦ Gradual rise in minimum temperatures by 2-4°C likely over Maharashtra during next 4 days and no significant change thereafter.
- ♦ Rise in minimum temperatures by 3-5°C likely over Gujarat during next 2 days; gradual fall by 2-3°C during subsequent 3 days and rise by 2-3°C during subsequent 2 days thereafter.
- ♦ No significant change in minimum temperatures likely over rest parts of the country.

Dense Fog, Cold wave Warnings:

- ♦ **Dense to very dense fog** conditions likely during morning/night hours in some/isolated pockets over Punjab, Haryana, Chandigarh, Uttar Pradesh till 31st and **dense fog conditions** likely over isolated places over Himachal Pradesh, Uttarakhand, Rajasthan, Odisha, Sub-Himalayan West Bengal & Sikkim, Bihar till 31st January and East Uttar Pradesh till 01st February.
- ♦ **Cold wave** conditions likely in isolated pockets over Punjab, Haryana, Chandigarh on 30th-31st January.

Main Weather Observations:

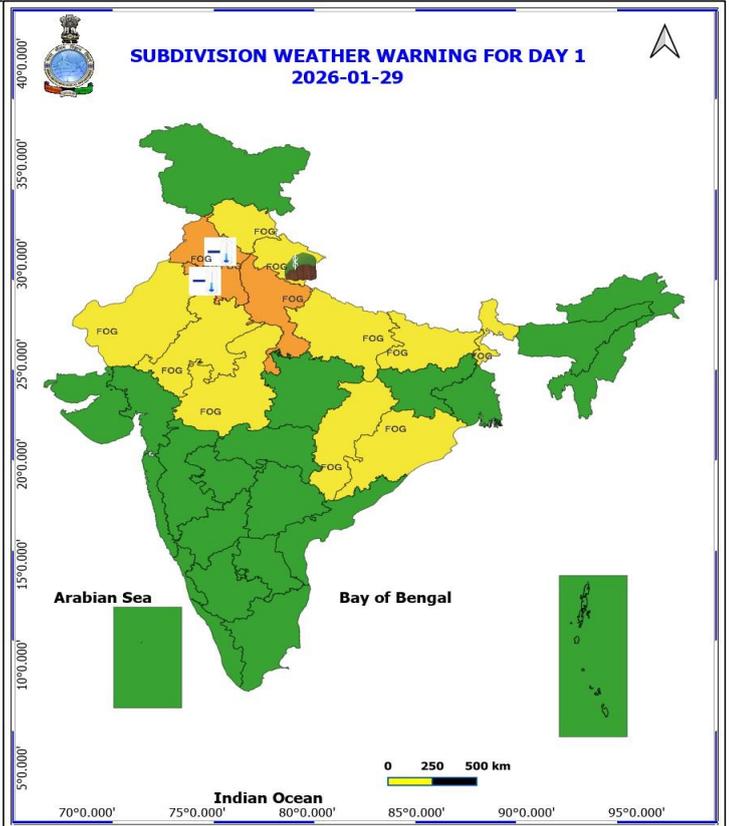
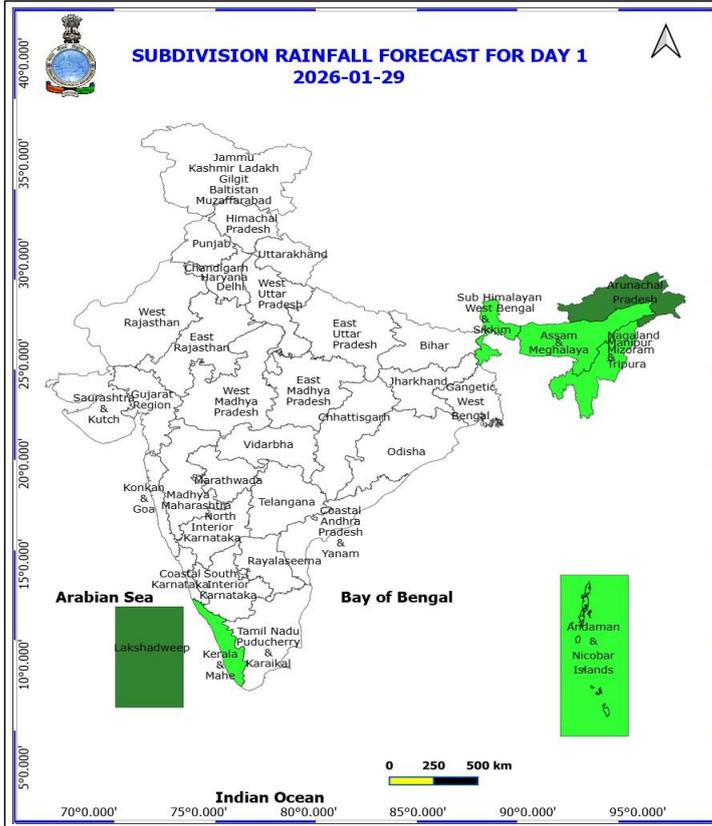
- ❖ **Rainfall distribution** (from 0830 hours IST of yesterday to 0830 hours IST of today): **at isolated places** over Arunachal Pradesh, Bihar, East Uttar Pradesh, West Uttar Pradesh, Uttarakhand, Himachal Pradesh, East Madhya Pradesh and Kerala & Mahe; **Dry** over rest of the country.
- ❖ **Significant rainfall recorded(in cm)** (from 0830 hours IST of yesterday to 0830 hours IST of today): **East Uttar Pradesh:** Uska Bazar Fmo (dist Siddharth Nagar), Bansi CWC (dist Siddharth Nagar), Itwa (dist Siddharth Nagar) 1 Each.
- ❖ **Fog Condition Observed (at 0830 hours of today): Dense to very Dense fog(visibility <50 m) conditions** prevailed in isolated pockets of Uttarakhand, Haryana, Punjab, Chandigarh, Madhya Pradesh and West Uttar Pradesh and **dense fog (visibility 50-199 m)conditions** in isolated pockets over Odisha, Punjab, East Uttar Pradesh, Rajasthan and West Madhya Pradesh.
- ❖ **Visibility reported (at 0830 hours of today):Odisha:** Chandbali (50);**Himachal Pradesh:** Bilaspur (50), Sundernagar (100);**Uttarakhand:** Pantnagar (00), Khatima (30), Roorkee(150);**Punjab:** Patiala(150);**Haryana & Chandigarh:** Ambala(20), Hisar(30), Karnal(30), Narnaul(10), Bhiwani(10), Chandigarh(100); **West Uttar Pradesh:** Sarsawa(IAF) & Agra IAF(00) Each, Bareilly(40), Hindon(IAF) & Najibabad(50) Each, Aligarh, Shahjahanpur & Jhansi(100) Each; **East Uttar Pradesh:** Bahraich(80), Azamgarh, Varanasi(AP) & Lucknow(AP)(100) Each, Fursatganj(200); **West Rajasthan:** Churu(90); **East Rajasthan:** Bhilwara(90), Pilani(90); **West Madhya Pradesh:** Gwalior (100).
- ❖ **Ground frost conditions** prevailed over Uttarakhand.
- ❖ **Light to moderate rainfall/snowfall occurred at many places** over Sikkim
- ❖ **Minimum Temperature Departures (as on 29-01-2026): Minimum Temperature Departures** were above normal by (3°C to 5°C) over Haryana Chandigarh & Delhi, West Rajasthan, Marathawada, Madhya Maharashtra, Chhattisgarh, Assam & Meghalaya; by (1°C to 3°C) over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh, Uttar Pradesh, East Rajasthan, Madhya Pradesh, Chhattisgarh, Bihar, Jharkhand, Odisha, West Bengal & Sikkim, Northeast India, Maharashtra and South Peninsular India and near normal over rest parts of the country. The **lowest minimum temperature** of **2.0°C** was observed at **Narnaul (Haryana)** over the plains of India.
- ❖ **Maximum Temperature Departures (as on 28-01-2026): The highest maximum temperature** of 36.3°C is reported at KOCHI (CIAL) (KERALA).

Meteorological Analysis (Based on 0830 hours IST)

- An **upper air cyclonic circulation** lies over northeast Assam at 0.9 km above mean sea level.
- A fresh **Western Disturbance** seen as a **cyclonic circulation** over northeast Iran between 4.5 & 5.8 km above mean sea level
- **Subtropical westerly Jet Stream** with core winds of the order of 130 knots at 12.6 km above mean sea level continues to prevail over Northeast India.
- An **upper air cyclonic circulation** lies over southeast Arabian sea and adjoining south Kerala coast at 0.9 km above mean sea level.
- Another fresh **western disturbance** is likely to affect northwest India from 2nd February 2026.
- The **Western Disturbance** as a **cyclonic circulation** over Jammu & neighbourhood between 3.1 & 4.5 km above mean sea level with the trough aloft in middle & upper troposphere westerlies with its axis at 5.8 km above mean sea level roughly along Long. 76°E to the north of Lat. 25°N has moved away in east-northeastwards direction.
- The **trough** from Southeast Uttar Pradesh to North Interior Karnataka at 1.5 km above mean sea level has become less marked.
- The **cyclonic circulation** over Northeast Bihar & neighbourhood extending upto 1.5 km above mean sea level has become less marked.

Weather Outlook for subsequent 3 days

- Isolated/Scattered rainfall/snowfall activity likely over Western Himalayan Region.
- Isolated/Scattered rainfall activity likely over Punjab, Uttar Pradesh, Tamil Nadu and Madhya Pradesh.

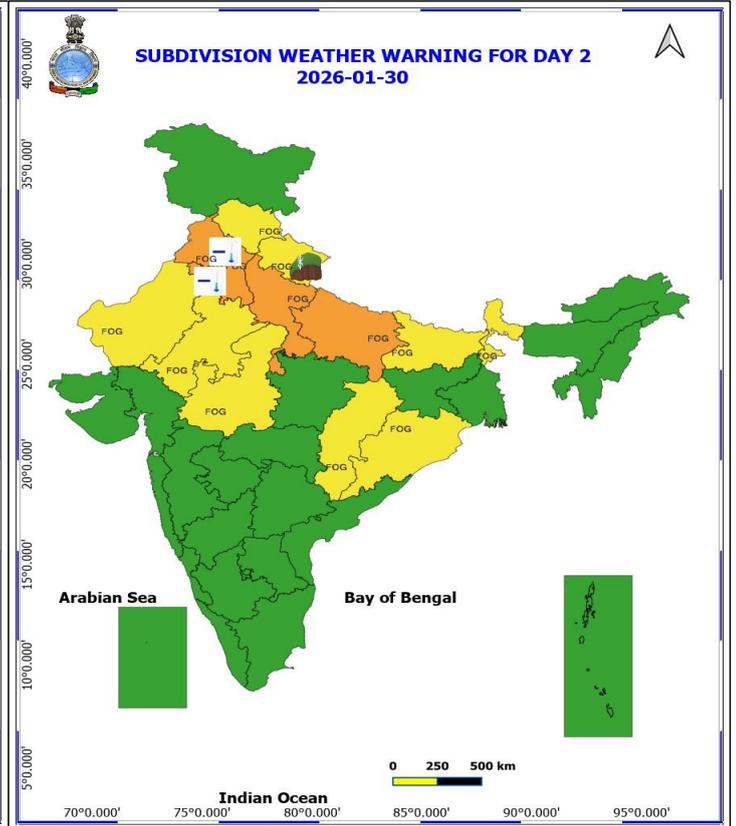
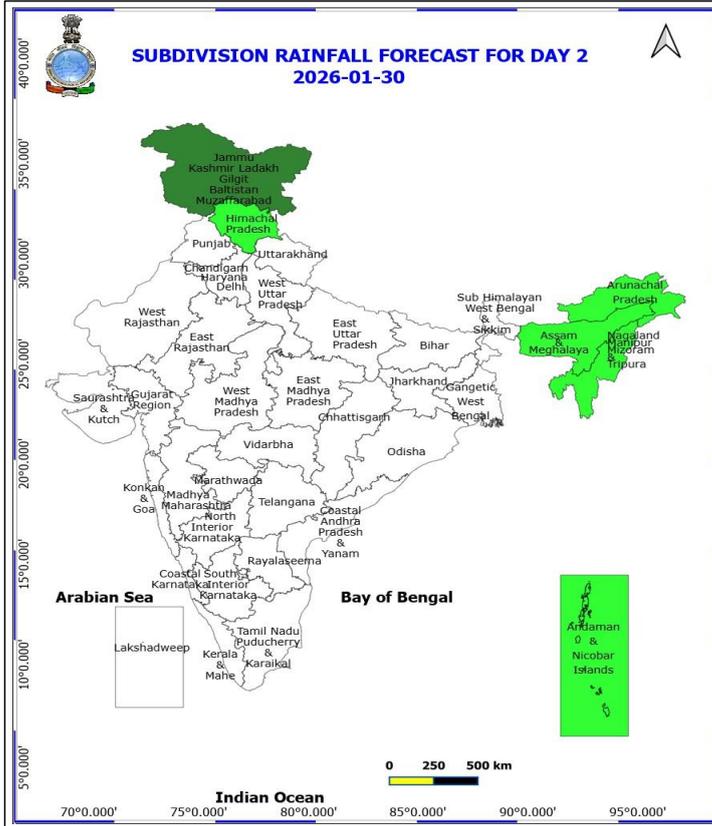


29 January (Day 1)

- ❖ **Cold wave conditions** very likely at isolated places over Haryana, Chandigarh and Punjab.
- ❖ **Ground Frost** very likely at isolated places over Uttarakhand.
- ❖ **Dense Fog** very likely at isolated places over Bihar, Chhattisgarh, East Uttar Pradesh, Himachal Pradesh, Odisha, Rajasthan, Sub Himalayan West Bengal & Sikkim, Uttarakhand and West Madhya Pradesh.
- ❖ **Dense to Very Dense Fog** very likely at isolated places over Haryana, Chandigarh, Punjab and West Uttar Pradesh.
- ❖ **Squally wind with speed reaching 45 to 55 kmph gusting up to 65 kmph** is likely to prevail over Gulf of Mannar, many parts of Comorin area, along & off south Tamil Nadu & West Sri Lanka coasts, along and off Gujarat coast.

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30 January (Day 2)

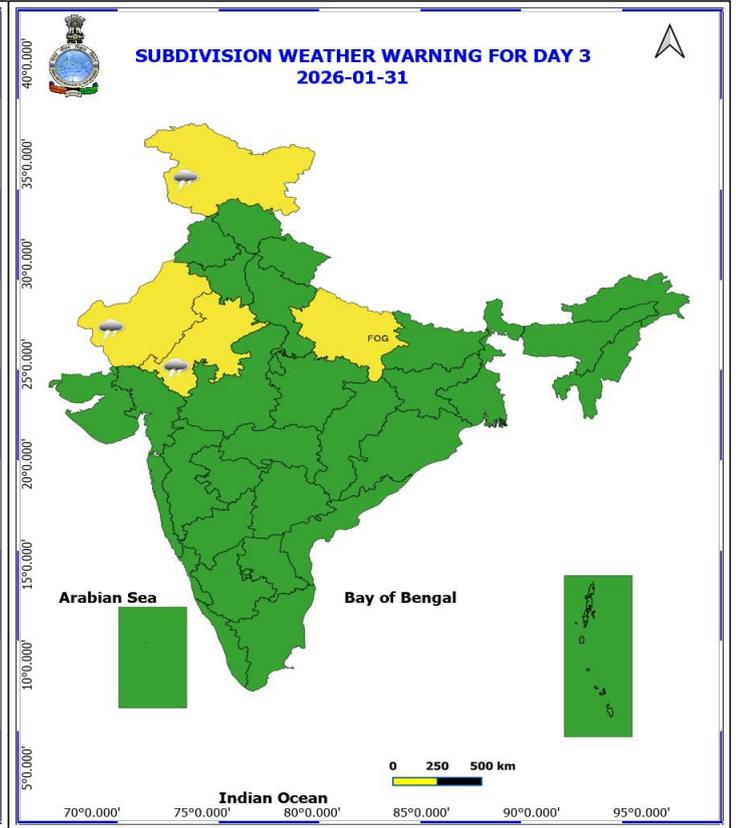
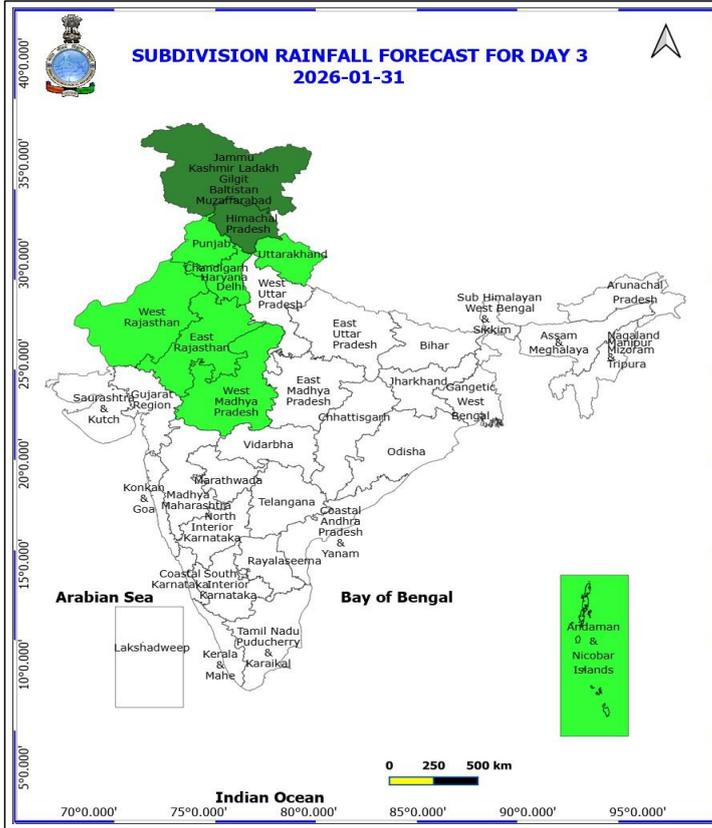
- ❖ **Cold wave conditions** very likely at isolated places over Haryana, Chandigarh and Punjab.
- ❖ **Ground Frost** very likely at isolated places over Uttarakhand.
- ❖ **Dense Fog** very likely at isolated places over Bihar, Chhattisgarh, Himachal Pradesh, Odisha, Rajasthan, Sub Himalayan West Bengal & Sikkim, Uttarakhand and West Madhya Pradesh.
- ❖ **Dense to Very Dense Fog** very likely at isolated places over Haryana, Chandigarh, Punjab and Uttar Pradesh.
- ❖ **Squally wind with speed reaching 45 to 55 kmph gusting up to 65 kmph** is likely to prevail over many parts of Comorin area & adjoining Gulf of Mannar.

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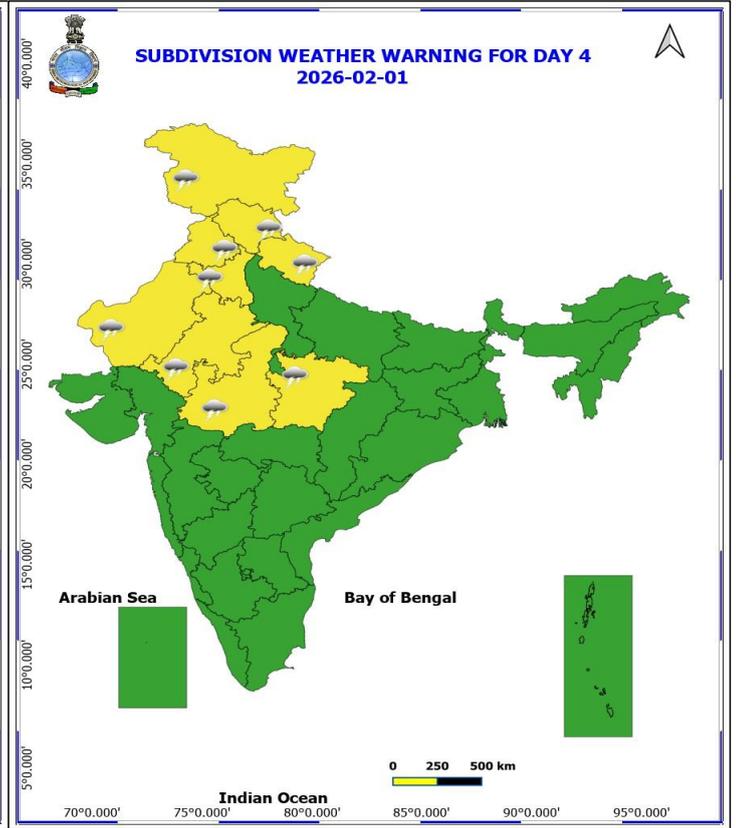
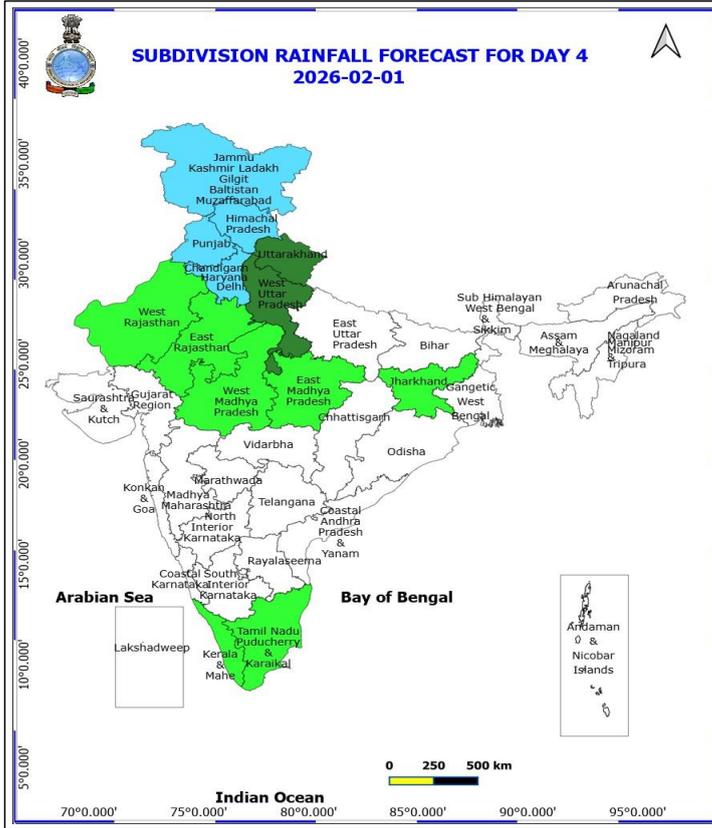
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31 January (Day 3)

- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffargarh.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Rajasthan.
- ❖ **Dense Fog** very likely at isolated places over East Uttar Pradesh.

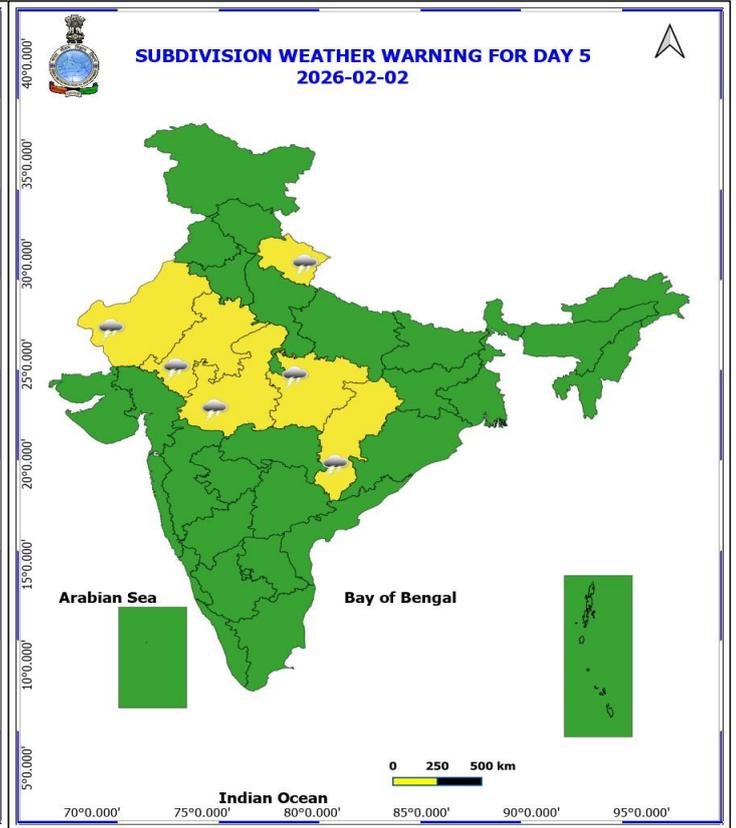
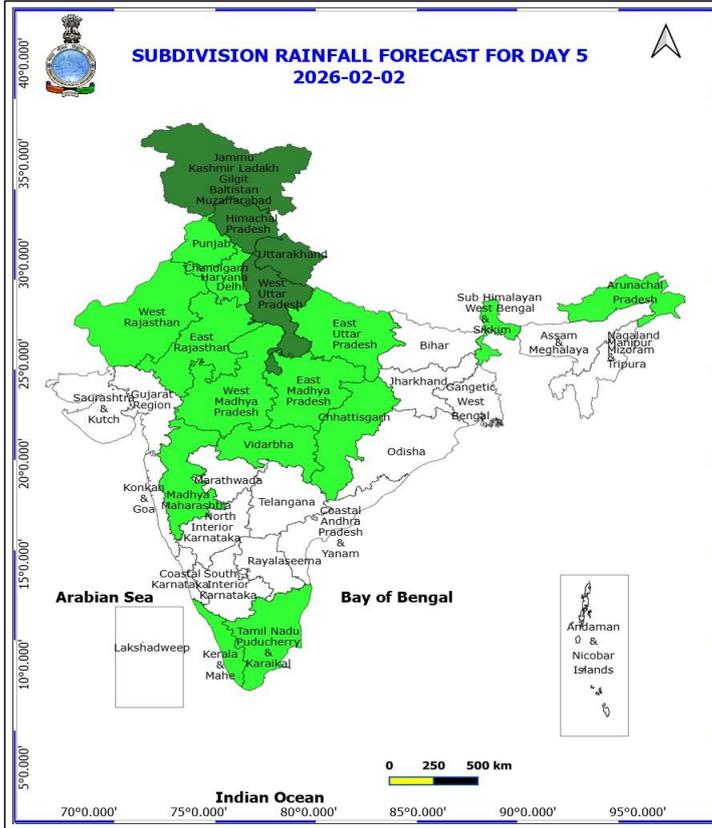
No Fishermen Warning



1 February (Day 4)

- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and Uttarakhand.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Haryana, Chandigarh & Delhi and Punjab.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Madhya Pradesh and Rajasthan.

No Fishermen Warning

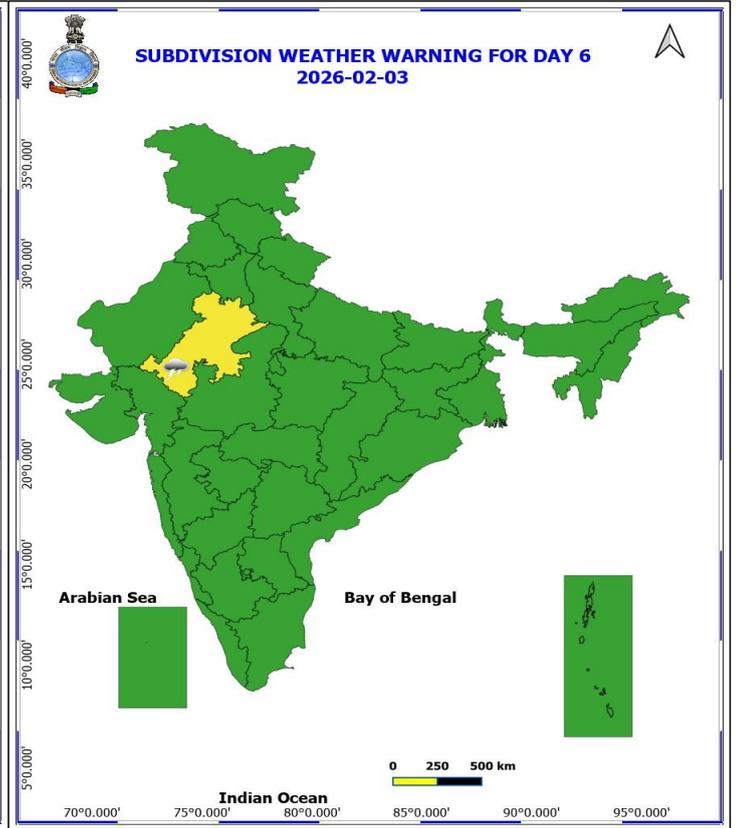
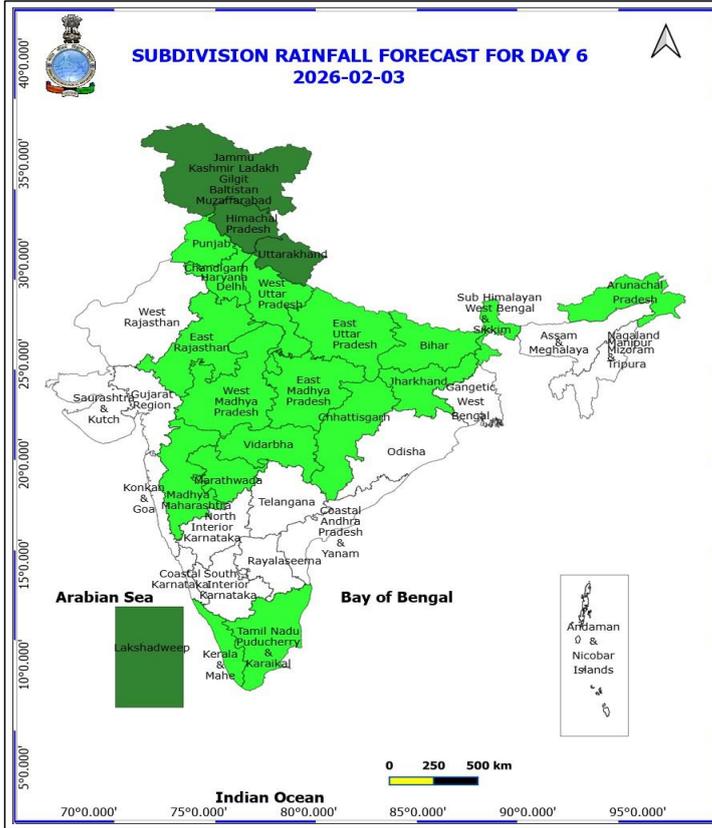


2 February (Day 5)

- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Uttarakhand.
 - ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Chhattisgarh, Madhya Pradesh and Rajasthan.
- No Fishermen Warning**

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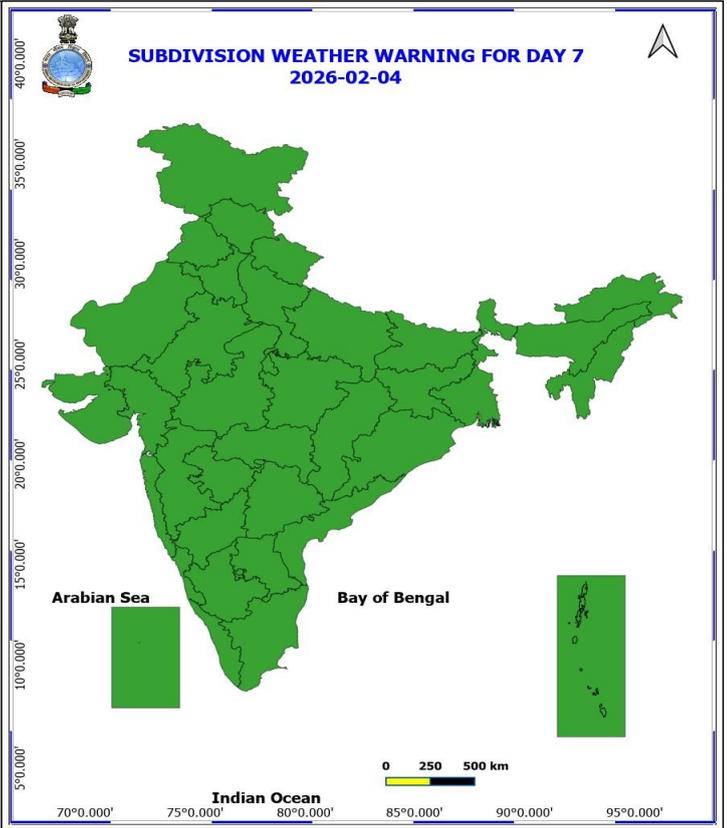
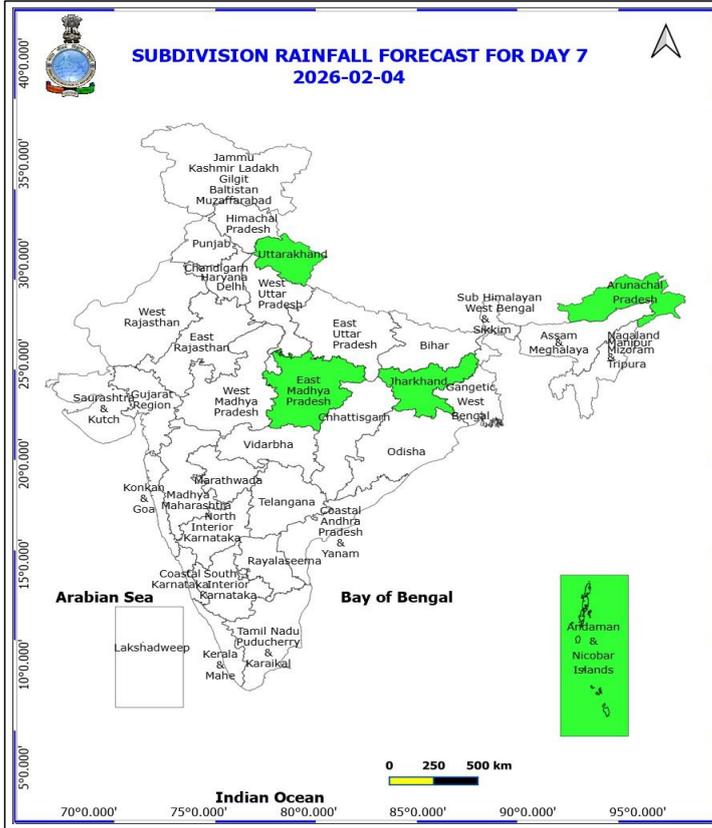
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3 February (Day 6)

❖ Thunderstorm accompanied with Lightning likely at isolated places over East Rajasthan.

No Fishermen Warning



4 February (Day 7)

No Warning

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Table-1

7 Days Rainfall Forecast

S.No.	Subdivision	29- Jan	30- Jan	31- Jan	1- Feb	2- Feb	3- Feb	4- Feb
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	ISOL	ISOL	ISOL	DRY	DRY	DRY	ISOL
2	ARUNACHAL PRADESH	SCT	ISOL	DRY	DRY	ISOL	ISOL	ISOL
3	ASSAM & MEHGHALAYA	ISOL	ISOL	DRY	DRY	DRY	DRY	DRY
4	N. M. M. & T.	ISOL	ISOL	DRY	DRY	DRY	DRY	DRY
5	S.H. WEST BENGAL & SIKKIM	ISOL	DRY	DRY	DRY	ISOL	ISOL	DRY
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	ISOL	DRY	ISOL	ISOL
9	BIHAR	DRY	DRY	DRY	DRY	DRY	ISOL	DRY
10	EAST UTTAR PRADESH	DRY	DRY	DRY	DRY	ISOL	ISOL	DRY
11	WEST UTTAR PRADESH	DRY	DRY	DRY	SCT	SCT	ISOL	DRY
12	UTTARAKHAND	DRY	DRY	ISOL	SCT	SCT	SCT	ISOL
13	HARYANA, CHD & DELHI	DRY	DRY	ISOL	FWS	ISOL	ISOL	DRY
14	PUNJAB	DRY	DRY	ISOL	FWS	ISOL	ISOL	DRY
15	HIMACHAL PRADESH	DRY	ISOL	SCT	FWS	SCT	SCT	DRY
16	JAMMU AND KASHMIR AND LADAKH	DRY	SCT	SCT	FWS	SCT	SCT	DRY
17	WEST RAJASTHAN	DRY	DRY	ISOL	ISOL	ISOL	DRY	DRY
18	EAST RAJASTHAN	DRY	DRY	ISOL	ISOL	ISOL	ISOL	DRY
19	WEST MADHYA PRADESH	DRY	DRY	ISOL	ISOL	ISOL	ISOL	DRY
20	EAST MADHYA PRADESH	DRY	DRY	DRY	ISOL	ISOL	ISOL	ISOL
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	ISOL	ISOL	DRY
25	MARATHWADA	DRY	DRY	DRY	DRY	DRY	ISOL	DRY
26	VIDARBHA	DRY	DRY	DRY	DRY	ISOL	ISOL	DRY
27	CHATTISGARH	DRY	DRY	DRY	DRY	ISOL	ISOL	DRY
28	COASTAL ANDHRA PRADESH	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	DRY	DRY	DRY	ISOL	ISOL	ISOL	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	DRY	DRY	ISOL	ISOL	ISOL	DRY
36	LAKSHDWEEP	SCT	DRY	DRY	DRY	DRY	SCT	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

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Fig. 1: Maximum Temperatures Dated 2026-01-28

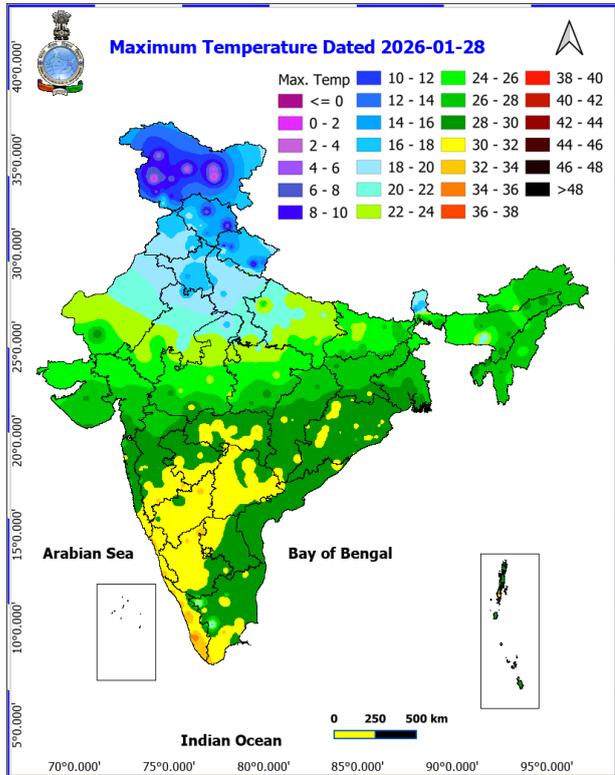


Fig. 2: Departure of Maximum Temp. Dated 2026-01-28

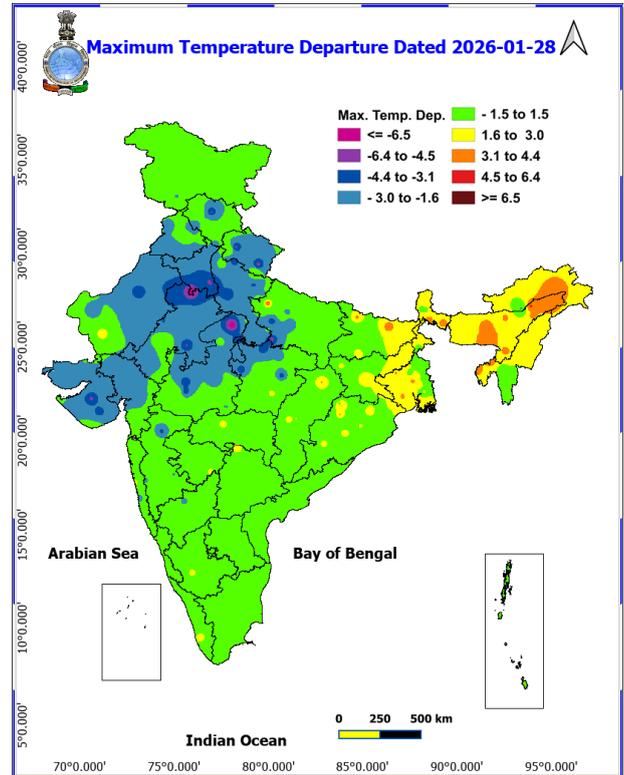


Fig. 3: Minimum Temperatures Dated 2026-01-29

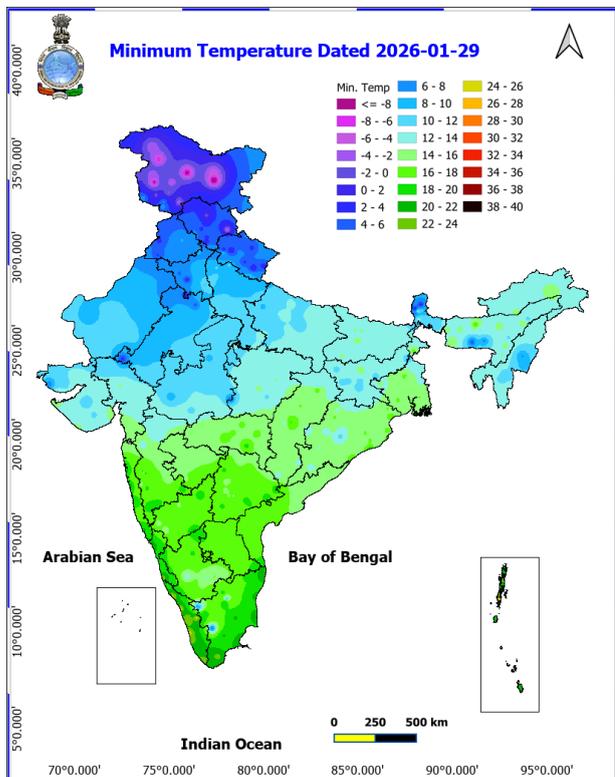
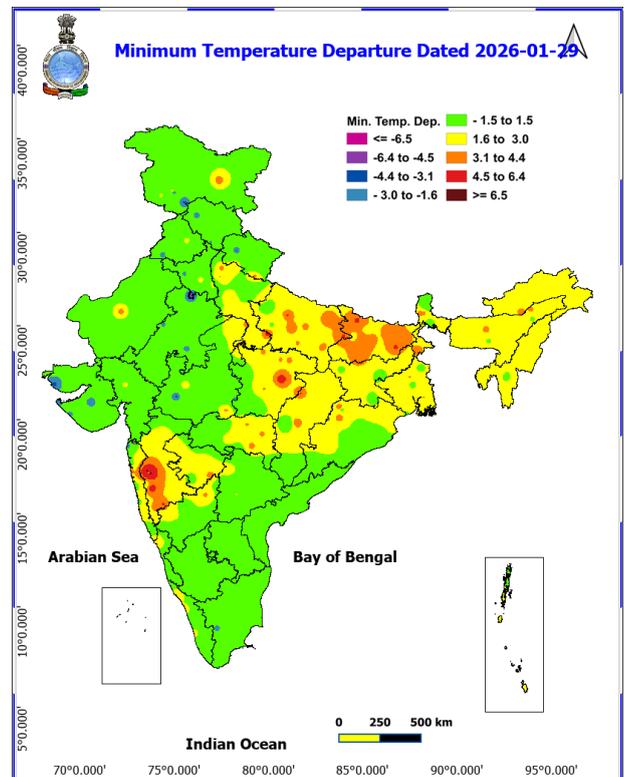
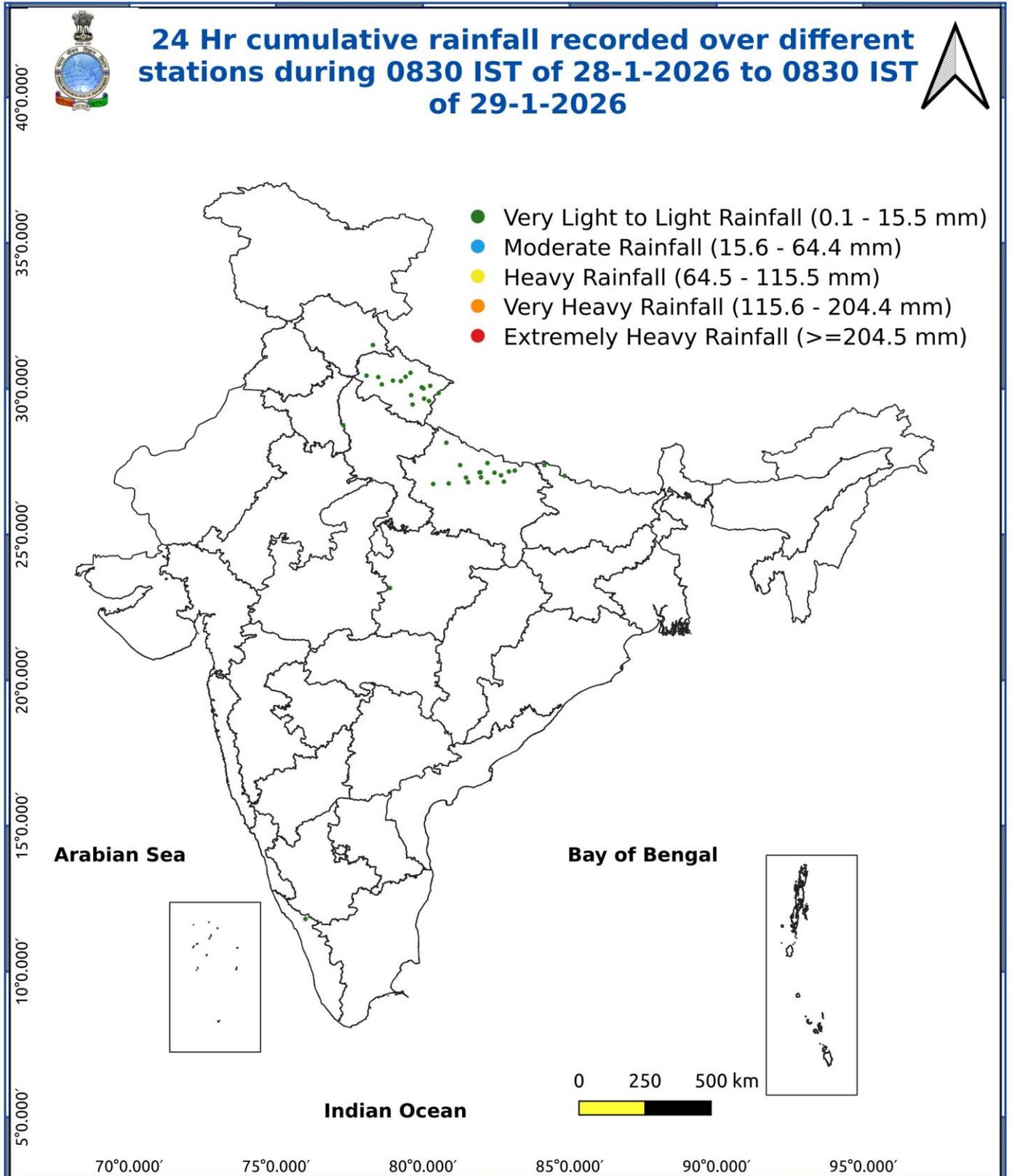


Fig. 4: Departure of Minimum Temp. Dated 2026-01-29



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Impact and Actions

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

- ◆ **Dense to very dense fog** conditions likely during morning/night hours in some/isolated pockets over Punjab, Haryana, Chandigarh, Uttar Pradesh till 31st and **dense fog conditions** likely over isolated places over Himachal Pradesh, Uttarakhand, Rajasthan, Odisha, Sub-Himalayan West Bengal & Sikkim, Bihar till 31st January and East Uttar Pradesh till 01st February.

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/Severe Cold wave conditions:

Cold wave conditions likely in isolated pockets over Punjab, Haryana, Chandigarh on 30th-31st January.

- ◆ 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.

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- ♦ 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

Impact expected and action suggested due to isolated thunderstorm with lightning/ gusty winds over

- ❖ **Isolated** light/moderate rainfall **accompanied with thunderstorm, lightning** very likely over Madhya Pradesh on 01st & 02nd February and Chhattisgarh on 02nd February; Rajasthan during 31st January- 03rd February.
- ❖ Scattered to fairly widespread rainfall/snowfall with **thunderstorm, lightning & gusty winds speed reaching 30-40 kmph** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 31st January and 01st February; Himachal Pradesh, Punjab, Haryana and Chandigarh on 01st February and Uttarakhand on 01st & 02nd February.

Impact expected:

- Breaking of tree branches, uprooting of large avenue trees. Large dead limbs blown from trees. Damage to Standing crops
- Minor to Major damage to banana and papaya trees.
- Minor to major damage to power and communication lines due to breaking of branches.
- Strong wind/hail may damage plantation, horticulture and standing crops.
- Hail may injure people and cattle at open places.
- Partial damage to vulnerable structures due to strong winds.
- Minor damage to kutcha houses/walls and huts.
- Loose objects may fly.

Action suggested:

- People are advised to keep a watch on the weather for worsening conditions and be ready to move to safer place accordingly.
- Stay indoors, close windows & doors and avoid travel if possible.
- Take safe shelters; do not take shelter under trees.
- Do not lie on concrete floors and do not lean against concrete walls.
- Unplug electrical/ electronic appliances.
- Immediately get out of water bodies.
- Keep away from all the objects that conduct electricity.

Agromet advisories for various parts of the country

Agromet advisories for likely impact of Cold Waves / Low Temperatures

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

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.

Livestock / Poultry

- Keep the animals inside the shed during heavy rainfall/ Hailstorm period and provide them balanced feed. Store
- ♦ feed and fodder in a safe place to prevent spoilage.
 - To protect from cold, keep cattle inside the sheds during night and provide dry bedding. Also keep the chicks
 - ♦ warm by providing artificial light in the poultry sheds.

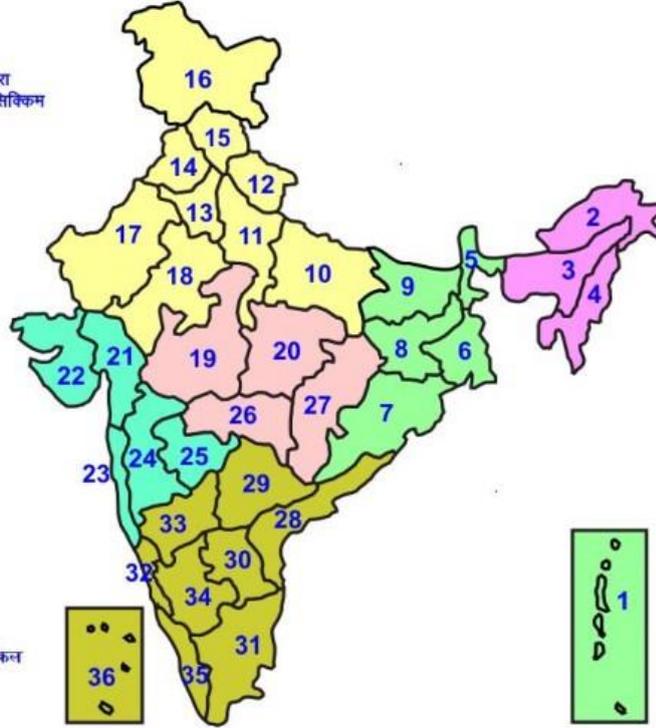
Legends & abbreviations:

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 द्वीप समुद्र
- 2 अरुणाचल प्रदेश
- 3 असम और मेघालय
- 4 नागालैंड मनीपुर मीजोरम और त्रिपुरा
- 5 उप हिमालय पश्चिम बंगाल एवं सिक्किम
- 6 पश्चिम गंगेय बंगाल
- 7 ओडिसा
- 8 झारखंड
- 9 बिहार
- 10 पूर्वी उत्तर प्रदेश
- 11 पश्चिम उत्तर प्रदेश
- 12 उत्तराखंड
- 13 हरियाणा चंडिगढ़ 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
- 22 सौराष्ट्र
- 23 कोंकण एवं कच्छ
- 24 मध्य महाराष्ट्र
- 25 मराठावाडा
- 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
- Thunderstorm & Lightning
- Strong surface winds
- Cold Wave
- Hot & Humid
- Very Heavy Rain
- Hailstrom
- Heat Wave
- Cold Day
- Extremely Heavy Rain
- Dust Storm
- Hot Day
- Ground Frost
- Heavy Snow
- Dust Raising Winds
- Warm Night
- FOG

*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 atleast 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)