



2026-01-30

Time of Issue: 08:00:00 hours IST
(Morning)

ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

Significant Weather Features

Weather Forecast and Warnings

- 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. **Isolated** light/moderate rainfall **accompanied with thunderstorm, lightning** very likely over Madhya Pradesh on 01st & 02nd February and Chhattisgarh on 02nd February.
- **Ground frost** conditions likely to prevail over Uttarakhand on 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 01st February 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.

***Red color warning does not mean "Red Alert" Red color warning means "Take Action"**

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Main Weather Observations:

- ❖ **Rainfall distribution** (from 0830 hours IST of yesterday to 0530 hours IST of today): **at many places** over Arunachal Pradesh and Kerala & Mahe; **Dry** over rest of the country.
- ❖ **Fog Condition Observed (at 0530 hours of today):** **Very dense fog conditions:** at isolated places over Chhattisgarh **Dense fog conditions:** at a few places over West Uttar Pradesh **Moderate fog conditions:** at a few places over West Uttar Pradesh, West Madhya Pradesh and East Madhya Pradesh, at isolated places over Coastal Andhra Pradesh & Yanam **Shallow fog conditions:** at a few places over Bihar, East Uttar Pradesh, Haryana Chandigarh & Delhi and East Rajasthan, at isolated places over Assam & Meghalaya, Odisha, West Rajasthan.
- ❖ **Visibility reported (at 0530 hours of today):** Chhattisgarh: Ambikapur (dist. Surguja) 0.0; West Uttar Pradesh: Bareilly (dist. Bareilly) 50.0, Jhansi (dist. Jhansi) 200.0; East Madhya Pradesh: Satna (dist. Satna) 200.0; West Madhya Pradesh: Guna (dist. Guna), Gwalior (dist. Gwalior) 200.0 Each; Odisha: Gopalpur (dist. Ganjam) 500.0; East Uttar Pradesh: Bheraich (dist. Bheraich), Varanasi (Babatpur) AP, Varanasi (dist. Varanasi), Allahabad (dist. Prayagraj) 500.0 Each; East Rajasthan: Jaipur (dist. Jaipur), Kota A/P (dist. Kota) 500.0 Each; Assam & Meghalaya: Dhubri (dist. Dhubri) 500.0; Bihar: Gaya (dist. Gaya), Bhagalpur (dist. Bhagalpur) 500.0 Each; West Rajasthan: Churu (dist. Churu) 500.0; Haryana Chandigarh & Delhi: New Delhi (Safdarjung), New Delhi (Palam) AP (dist. South West Delhi) 500.0 Each.
- ❖ **Minimum Temperature Departures (as on 29-01-2026):** 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 29-01-2026):** **below normal (-1.6°C to -3.0°C)** at few places over East Rajasthan. **The highest maximum temperature** of 35.4°C is reported at KOCHI (CIAL) (KERALA).

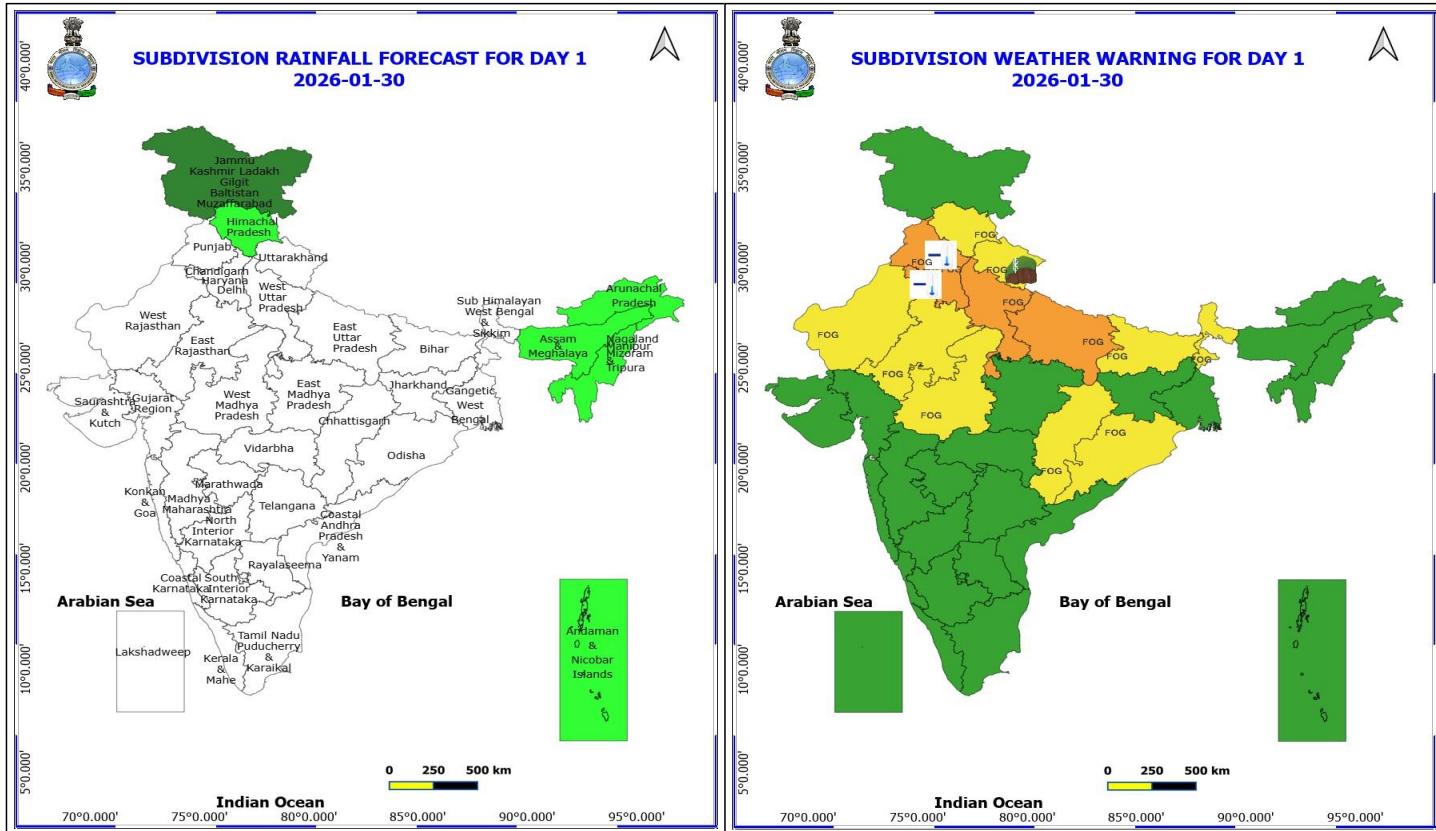


Meteorological Analysis (Based on 0530 hours IST)

- The **upper air cyclonic circulation** over northeast Assam at 0.9 km above mean sea level persists.
- The **Western Disturbance** as a **cyclonic circulation** over northeast Iran between 4.5 & 5.8 km above mean sea level persists.
- **Subtropical westerly Jet Stream** with core winds of the order of 105 knots at 12.6 km above mean sea level prevail over Northeast India.
- The **upper air cyclonic circulation** over southeast Arabian sea and adjoining south Kerala coast at 0.9 km above mean sea level persists.
- Another fresh **western disturbance** is likely to affect northwest India from 2nd February 2026.

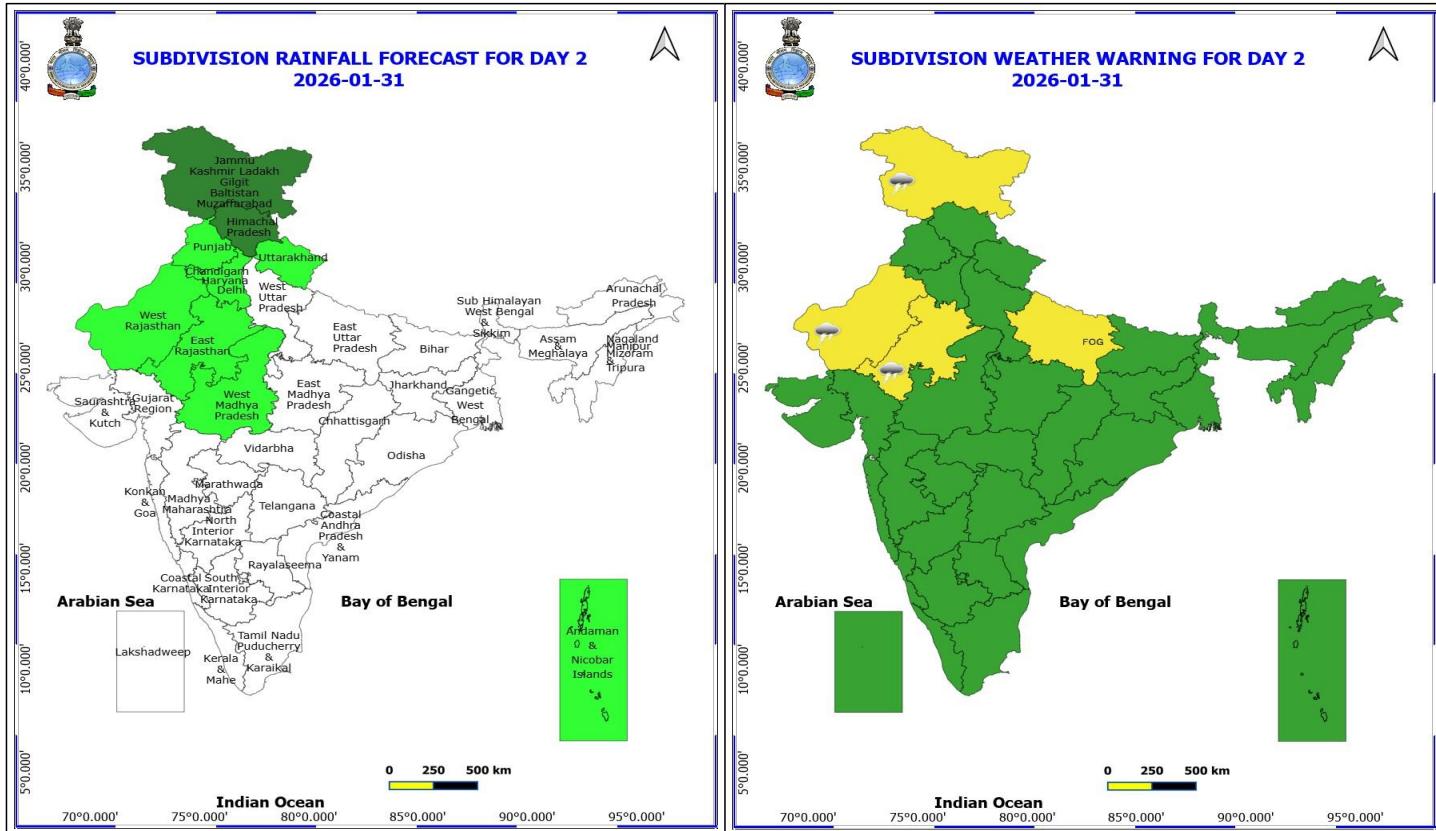
Weather Outlook for subsequent 3 days

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



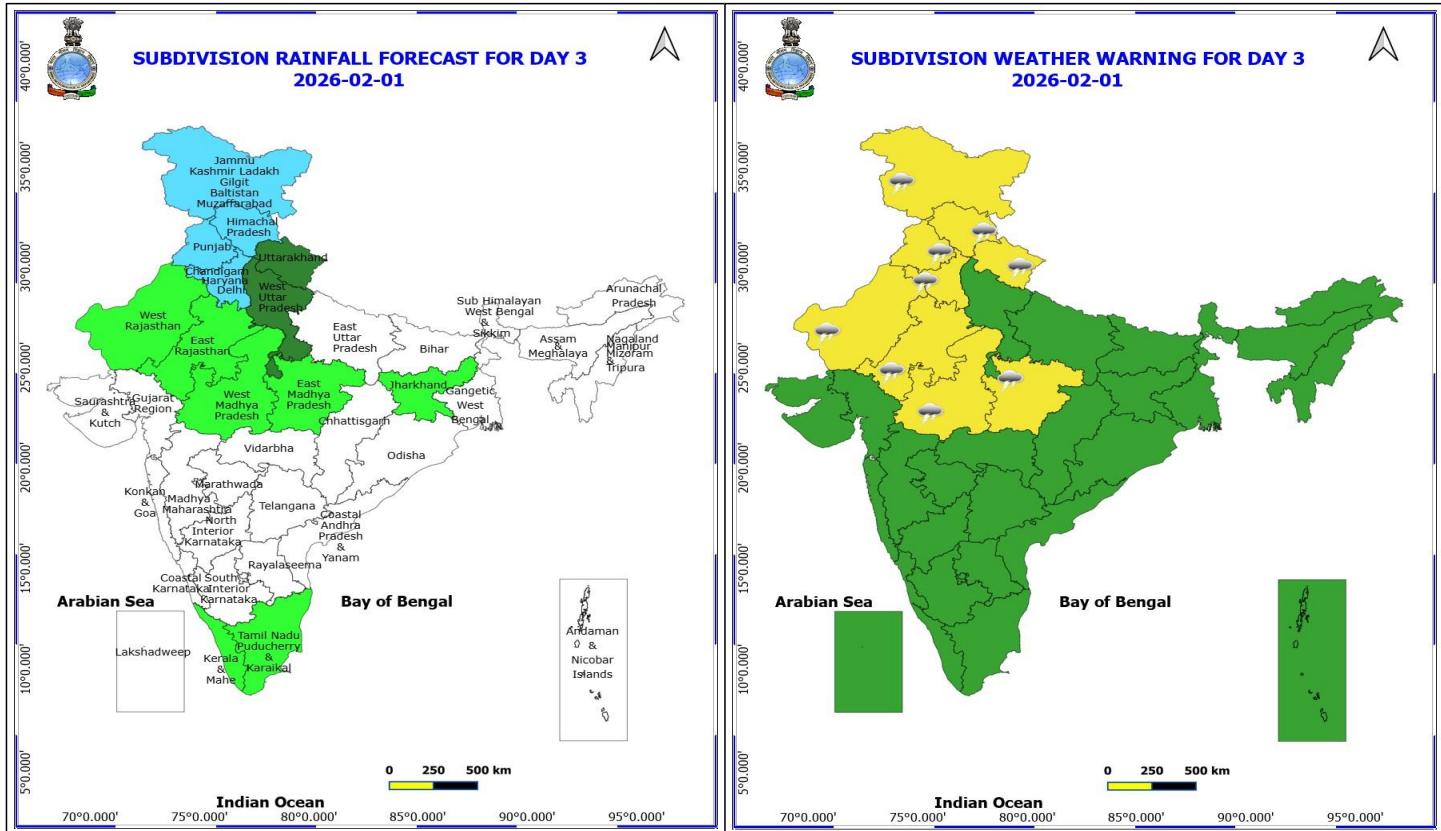
30 January (Day 1)

- ❖ **Cold wave conditions** very likely at isolated places over Haryana, Chandigarh & Delhi 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 & Delhi, 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.



31 January (Day 2)

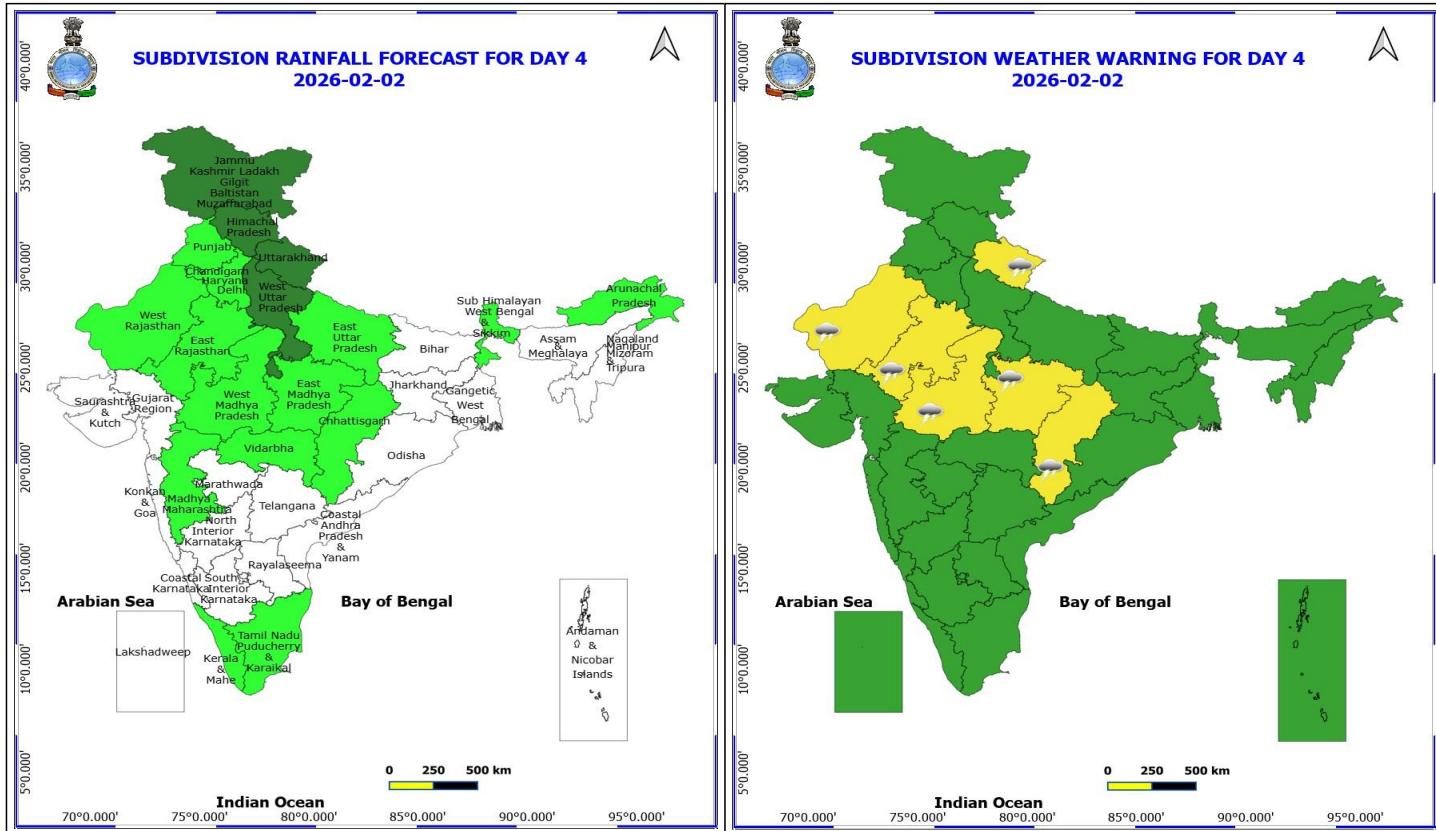
- ❖ Thunderstorm accompanied with lightning & gusty winds(40-50kmph) very likely at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad.
- ❖ Thunderstorm accompanied with Lightning very likely at isolated places over Rajasthan.
- ❖ Dense Fog very likely at isolated places over East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



1 February (Day 3)

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

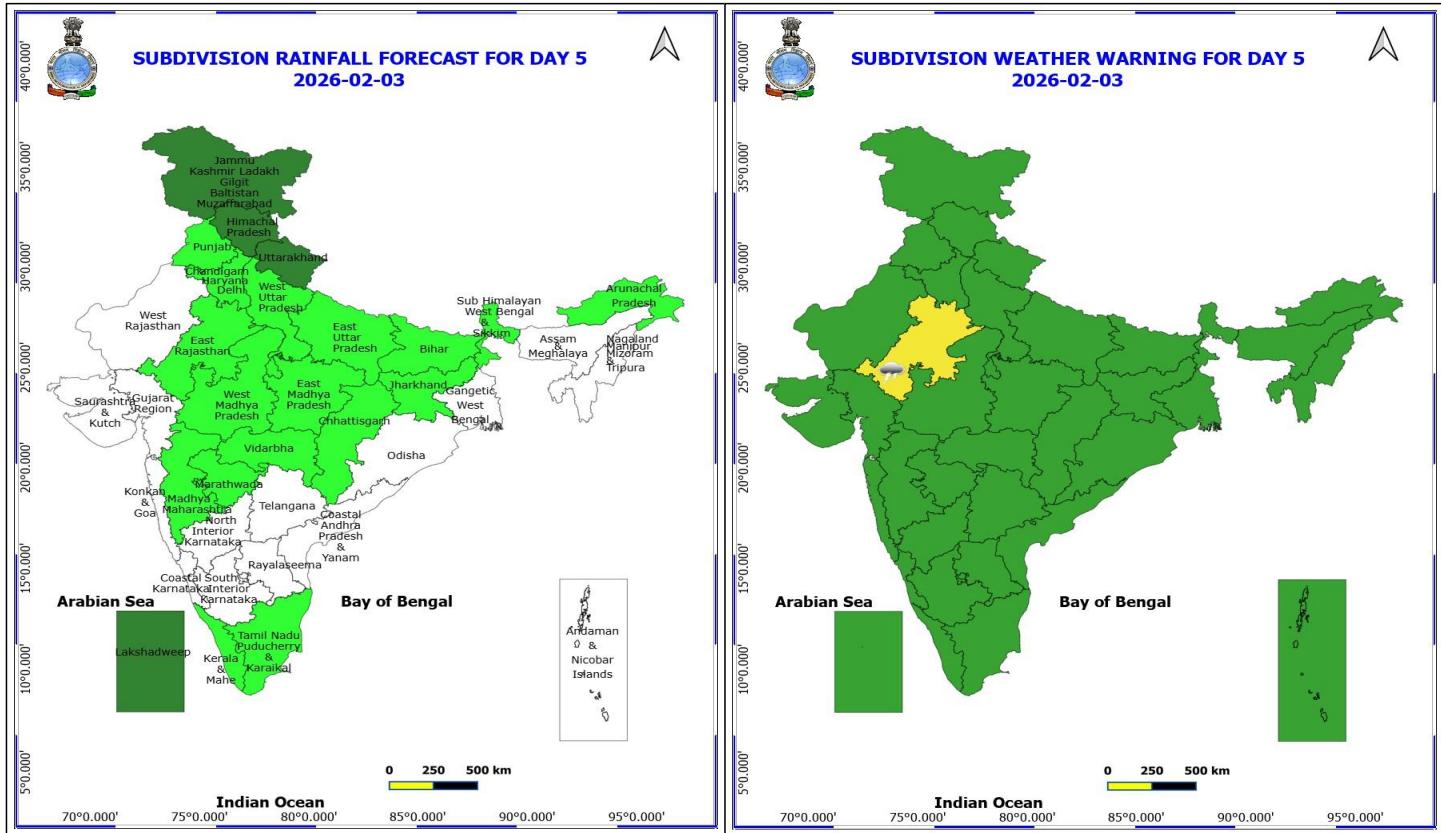
No Fishermen Warning



2 February (Day 4)

- ❖ 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.

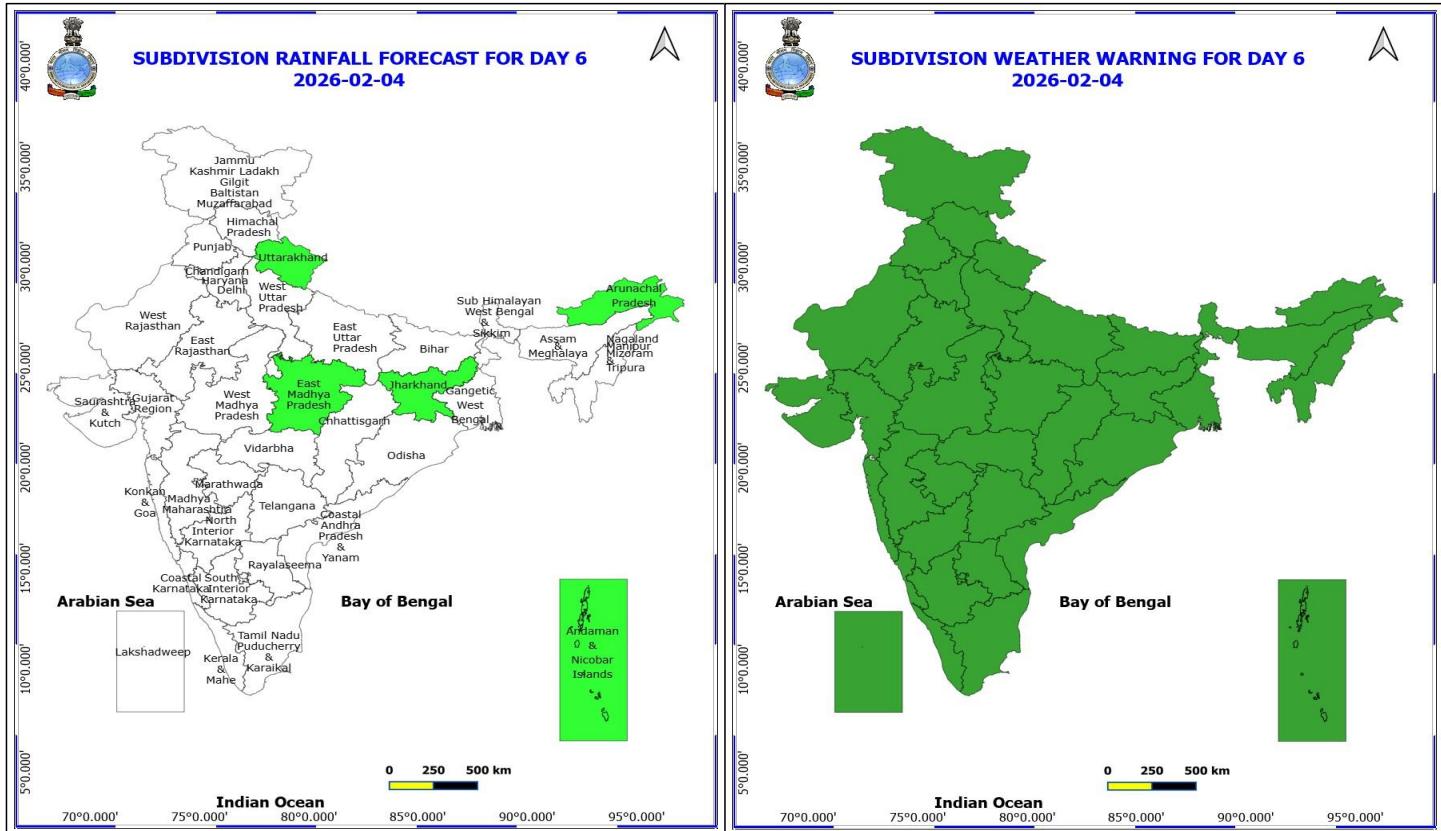
No Fishermen Warning



3 February (Day 5)

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

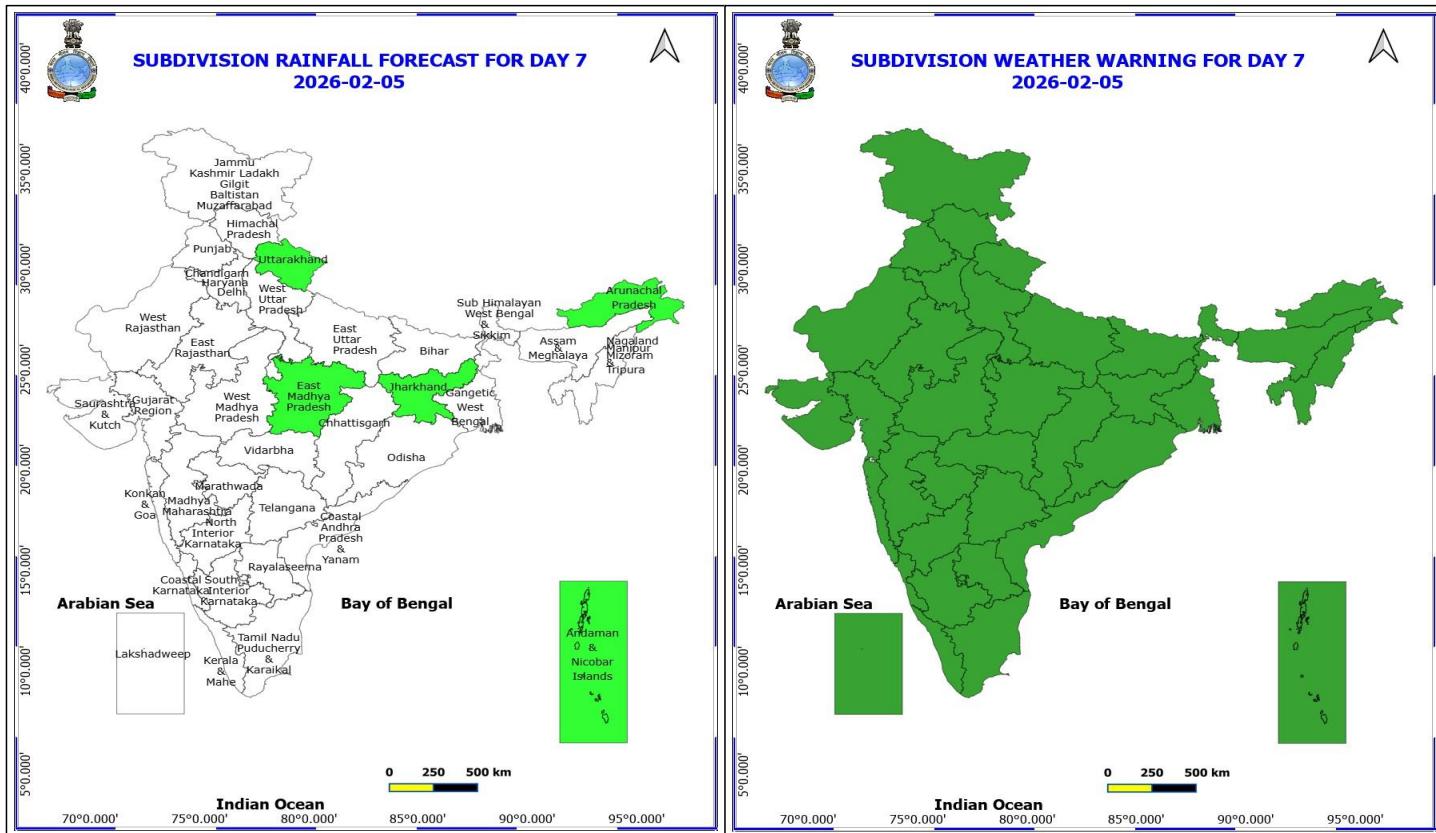
No Fishermen Warning



4 February (Day 6)

No Warning

No Fishermen Warning



5 February (Day 7)

No Warning

No Fishermen Warning



Table-1

7 Days Rainfall Forecast

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

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Fig. 1: Maximum Temperatures Dated 2026-01-29

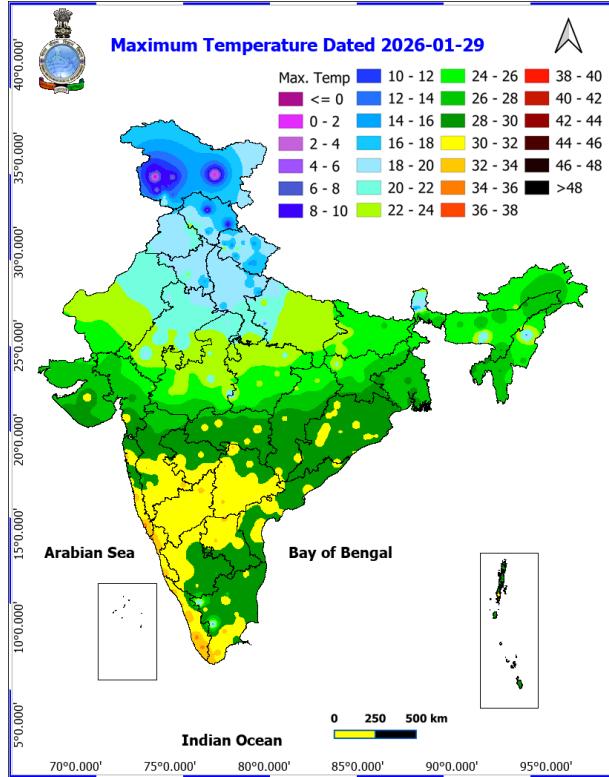


Fig. 2: Departure of Maximum Temp. Dated 2026-01-29

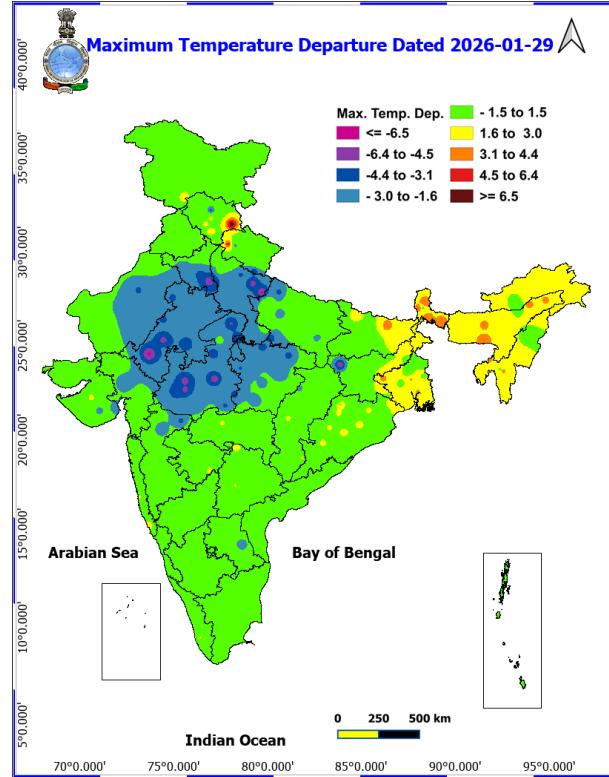


Fig. 3: Minimum Temperatures Dated 2026-01-29

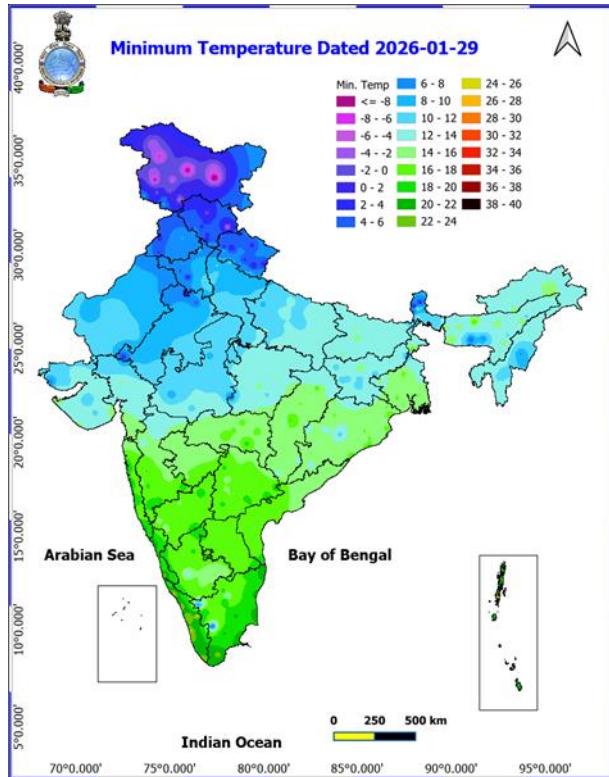
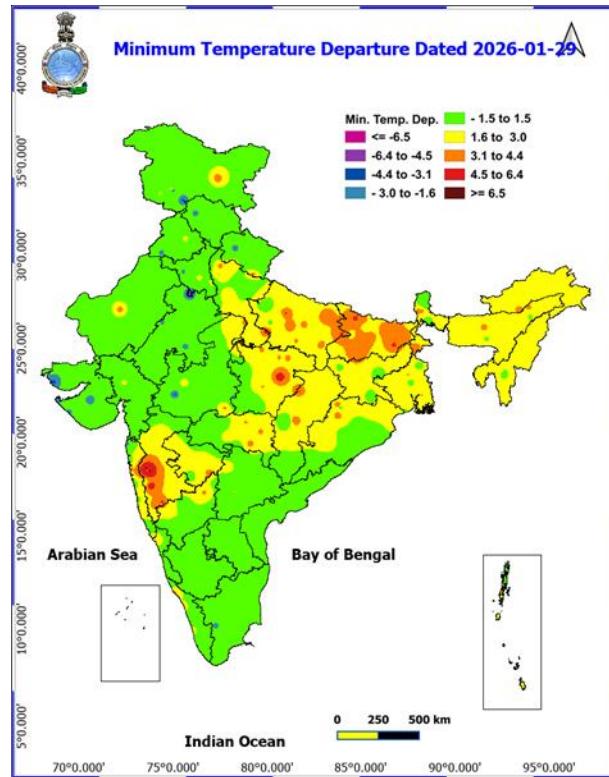
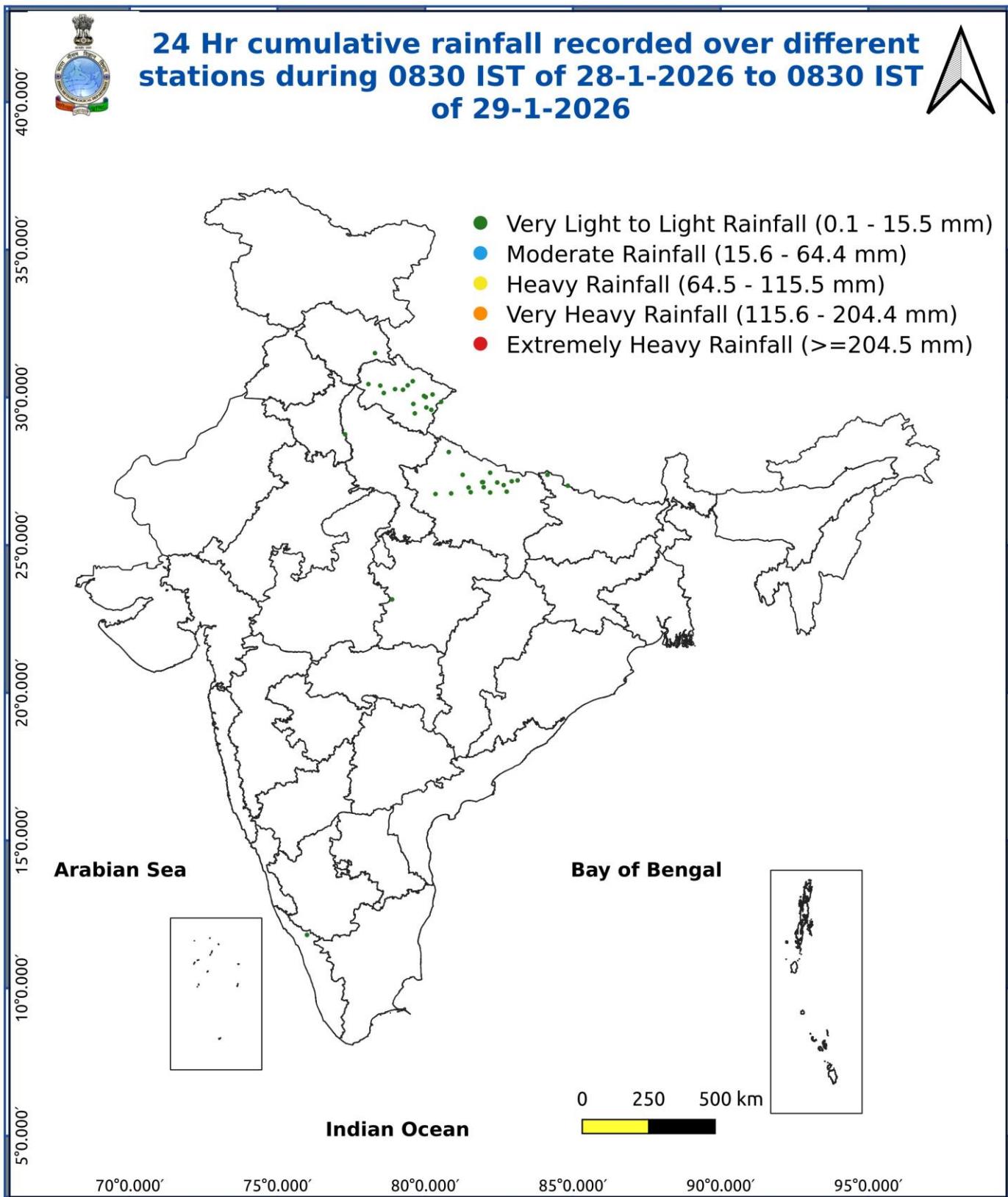


Fig. 4: Departure of Minimum Temp. Dated 2026-01-29







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

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.

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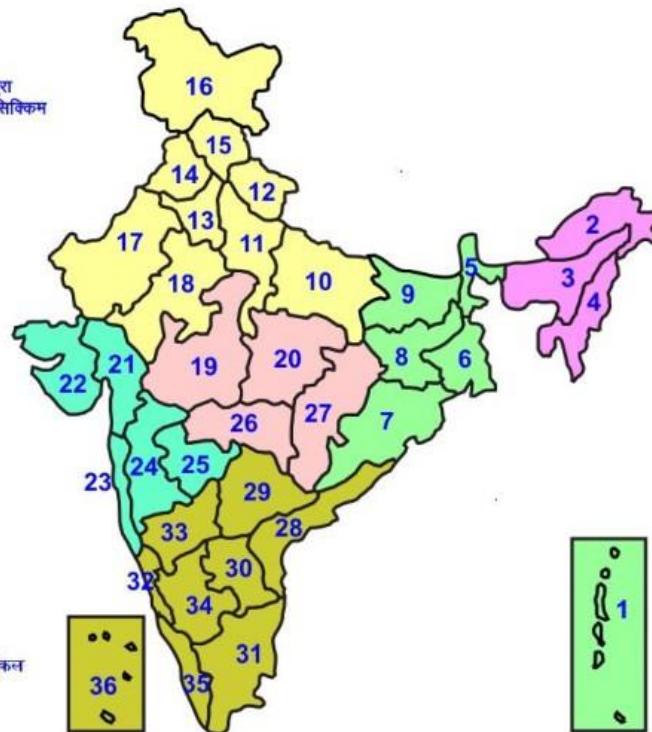
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LEGENDS

- 1 अंडमान और निकोबार द्वीप समूह
- 2 अरुणाचल प्रदेश
- 3 असम और मेघालय
- 4 नागालैंड मणिपुर शैतानी और त्रिपुरा
- 5 उत्तर हिमालय पश्चिम बंगाल एवं सिक्किम
- 6 पश्चिम गांधीगढ़ बंगाल
- 7 ओडिशा
- 8 झारखण्ड
- 9 बिहार
- 10 पूर्वी उत्तर प्रदेश
- 11 पश्चिम उत्तर प्रदेश
- 12 उत्तराखण्ड
- 13 हरियाणा चंडिगढ़ एवं दिल्ली
- 14 पंजाब
- 15 हिमाचल प्रदेश
- 16 जम्मू एवं कश्मीर एवं सहाबा
- 17 पश्चिम राजस्थान
- 18 पूर्वी राजस्थान
- 19 पश्चिम मध्य प्रदेश
- 20 पूर्वी मध्य प्रदेश
- 21 गुजरात बैत्री
- 22 सीराष्ट्र एवं कच्छ
- 23 कोकण एवं गोवा
- 24 मध्य महाराष्ट्र
- 25 मराठावाडा
- 26 विर्द्धन
- 27 छत्तीसगढ़
- 28 उत्तीर्ण आप्र प्रदेश एवं यनम
- 29 तेलंगाना
- 30 रायलसीमा
- 31 तमिलनाडु, पुतुनेरी एवं कराईकल
- 32 तांडिक कर्नाटक
- 33 आंतरिक उत्तरी कर्नाटक
- 34 आंतरिक दक्षिणी कर्नाटक
- 35 केरल एवं माहाराष्ट्र
- 36 लक्ष्मीप



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, Chh & 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. Marathawada
26. Vidarbha
27. Chhattisgarh
28. Coastal Andhra Pradesh & Yanam
29. Telangana
30. Rayalaseema
31. Tamilnadu, Puducherry & Karaikal
32. Coastal Karnataka
33. North Interior Karnataka
34. South Interior Karnataka
35. Kerala & Mahe
36. Lakshadweep

SPATIAL DISTRIBUTION (% of Stations reporting)

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

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



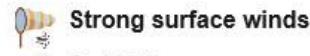
Hailstrom



Dust Strom



Dust Raising Winds



Strong surface winds



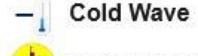
Heat Wave



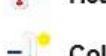
Hot Day



Warm Night



Cold Wave



Hot & Humid



Cold Day



Ground Frost



Fog

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LEGENDS

WARNING

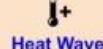
WARNING (TAKE ACTION)
ALERT (BE PREPARED)
WATCH (BE UPDATED)
NO WARNING (NO ACTION)

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 Strom: 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

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