

ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

Significant Weather Features

Weather Forecast and Warnings

- ♦ **Isolated** rainfall/snowfall likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 5th & 6th; Himachal Pradesh on 6th February.
- ♦ **Another wet spell with Isolated to Scattered** rainfall/snowfall likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh and Uttarakhand during 9th - 11th February.
- ♦ **Isolated ground frost activity also likely** over Uttarakhand on 5th February, 2026.

Forecast of minimum temperatures:

Gradual rise in minimum temperature by about 2°C likely over Northwest India during next 48 hours, fall by about 2°C for subsequent 24 hours and gradual rise by 2-4 °C thereafter.

- ♦ Gradual fall in minimum temperature by 2-3°C likely over East India during next 48 hours and no significant change thereafter.
- ♦ No significant change in minimum temperatures likely over Maharashtra during next 4 days and gradual fall by 2-3°C for subsequent 3 days.
- ♦ No significant change in minimum temperatures likely over Northeast, Gujarat State and Central India during next 7 days.
- ♦

Dense Fog, Cold day Warnings:

Dense fog conditions likely during morning/night hours at isolated/ some places over Uttarakhand, Uttar Pradesh, Madhya Pradesh and Bihar till 6th; Himachal Pradesh till 7th February.

- ♦

Main Weather Observations:

❖ **Rainfall distribution** (from 0830 hours IST of yesterday to 0830 hours IST of today): **at isolated places** over Andaman & Nicobar Islands, East Madhya Pradesh and Tamil Nadu, Puducherry & Karaikal; **Dry** over rest of the country.

❖ **Dense to very Dense fog (visibility <50 m)** conditions prevailed at some places over Uttarakhand and East Uttar Pradesh and isolated pockets over Haryana; **Dense fog (visibility 50-199 m)** conditions in isolated pockets over West Uttar Pradesh, Himachal Pradesh and Madhya Pradesh.

❖ **Visibility Reported (In Meters ≤ 200 m): Haryana:** Karnal (30), Ambala (20); **East Uttar Pradesh:** Prayagraj(IAF)(0), Prayagraj(20), AMS Chitrakoot, Ayodhya & Fursatganj(50), Bahraich(70), Sultanpur(100), Varanasi(A/P) & Lucknow(AP)(150); **Uttarakhand:** Pantnagar(0), Khatima (25), Haridwar(100), Roorkee(100) Bhagalpur(100), Rudrapur (100); **Himachal Pradesh:** Bilaspur(50), Sundernagar(100); **West Uttar Pradesh:** Sarsawa(IAF)(50), Najibabad(60), Muzaffarnagar & Meerut(100) Each; **East Madhya Pradesh:** Khajuraho (100)

❖ **Ground frost** reported over Uttarakhand.

❖ **Minimum Temperature Departures (as on 05-02-2026):** above normal by (3°C to 5°C) over Gujarat State; by (1°C to 3°C) over Western Himalayan Region, Punjab, Uttar Pradesh, Rajasthan, Madhya Pradesh, Madhya Maharashtra, Bihar Odisha, Telangana, Coastal Andhra Pradesh & Yanam, North Interior Karnataka, Assam & Meghalaya and Gangetic West Bengal, Kerala & Mahe, Lakshadweep and Andaman & Nicobar Islands and near normal over rest parts of the country. The **lowest minimum temperature** of 4.5°C was observed at Sikar (**East Rajasthan**) over the plains of India.

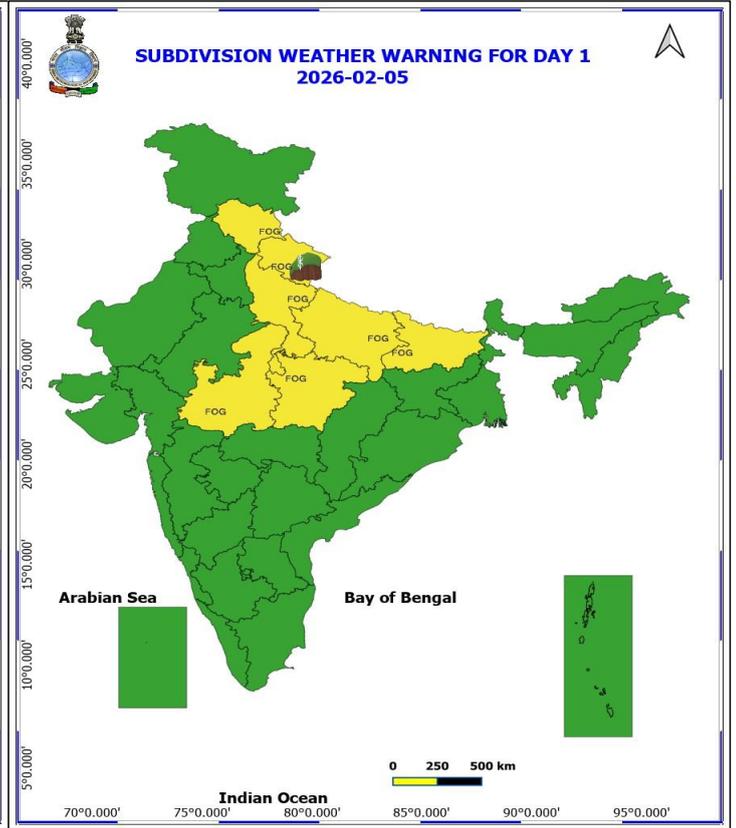
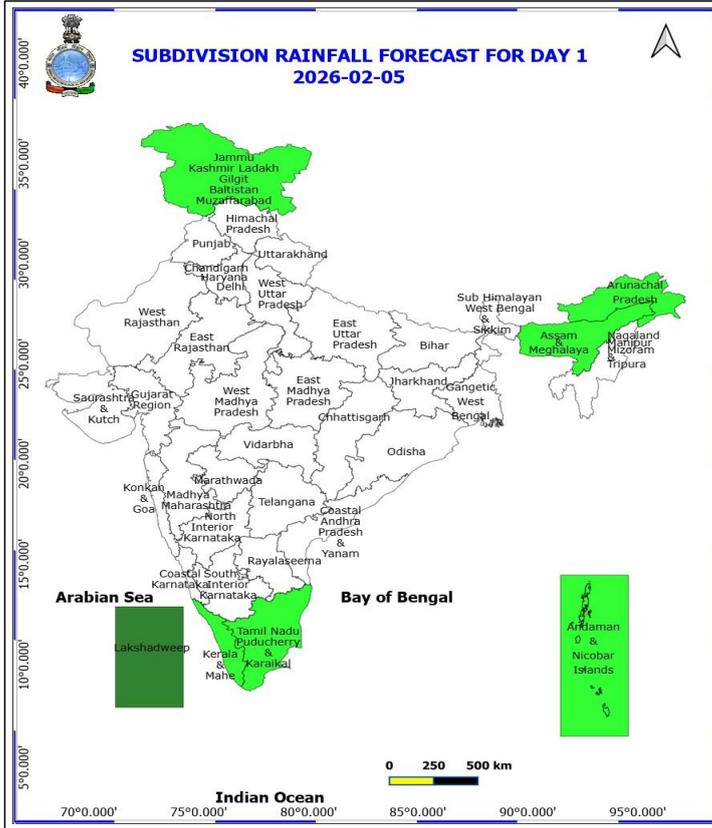
❖ **Maximum Temperature Departures (as on 04-02-2026):** The highest maximum temperature of 37.0°C is reported at KARWAR (KARNATAKA).

Meteorological Analysis (Based on 0830 hours IST)

- ♦ The **Western Disturbance** as a trough in middle level tropospheric westerlies with its axis at 5.8 km above mean sea level now runs roughly along Long. 55°E to the north of Lat. 27°N.
- ♦ **Subtropical westerly Jet Stream** with core winds of the order of 125 knots at 12.6 km above mean sea level prevails over East & Northeast India.
- ♦ The **upper air cyclonic circulation** over North Kerala & neighbourhood persists and now seen between at 1.5 & 3.1 km above mean sea level.
- ♦ An **upper air cyclonic circulation** lies over northeast Assam & neighbourhood and extends upto 1.5 km above mean sea level.
- ♦ Another fresh **western disturbance** is likely to affect western Himalayan region from the night of 08th February 2026.
- ♦ The **upper air cyclonic circulation** over northwest Uttar Pradesh & neighbourhood at 1.5 km above mean sea level has become less marked.
- ♦ The **trough** off Kerala-Karnataka coasts at 0.9 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 Arunachal Pradesh and Tamil Nadu.



5 February (Day 1)

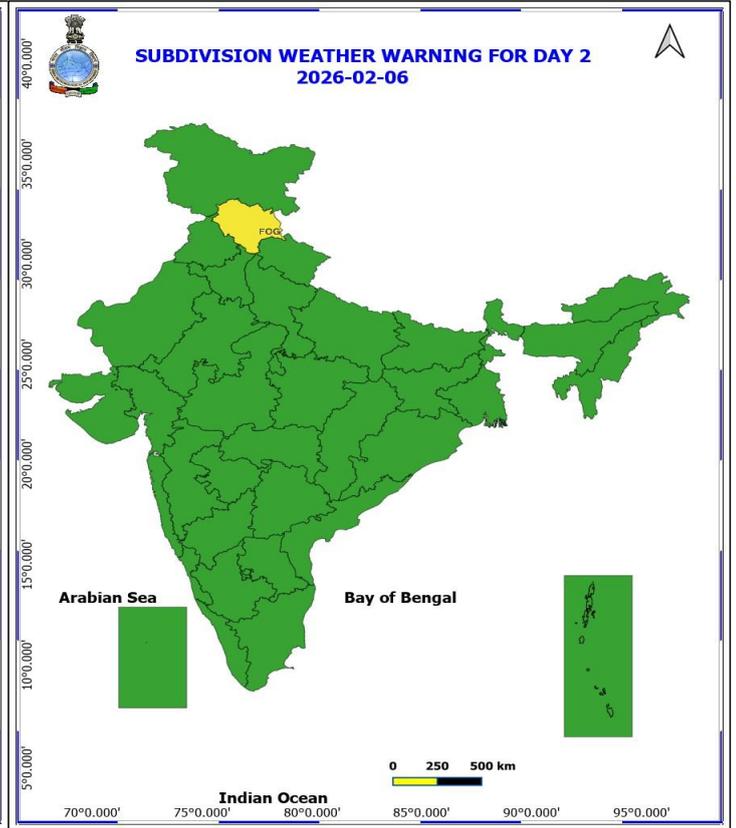
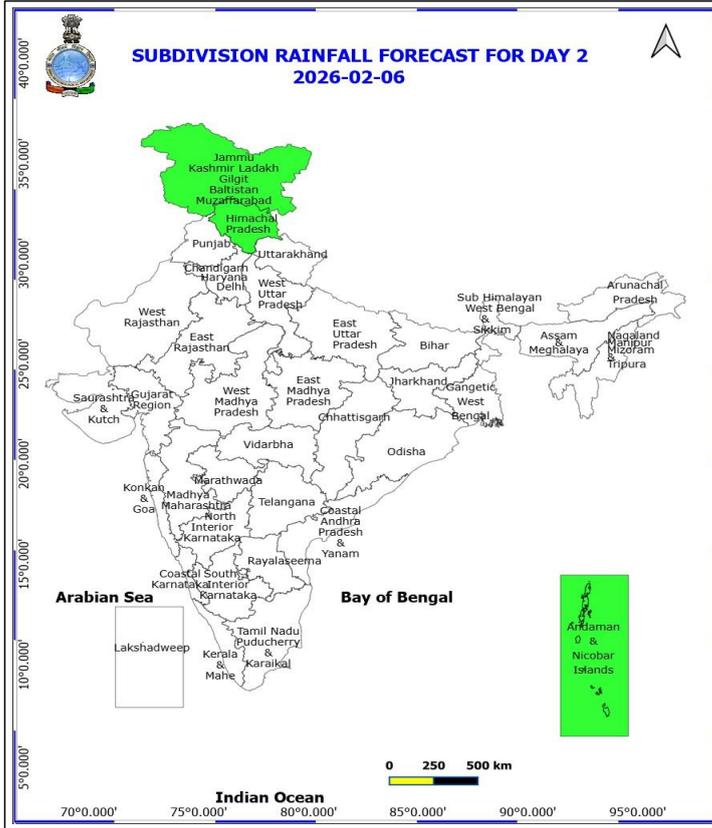
- ❖ **Ground Frost** very likely at isolated places over Uttarakhand.
- ❖ **Dense Fog** very likely at isolated places over Bihar, Himachal Pradesh, Madhya Pradesh, Uttar Pradesh and Uttarakhand.
- ❖ **Squally wind with speed 45 kmph to 55 kmph gusting to 65 kmph** is likely to prevail over Gulf of Mannar, adjoining Comorin area.

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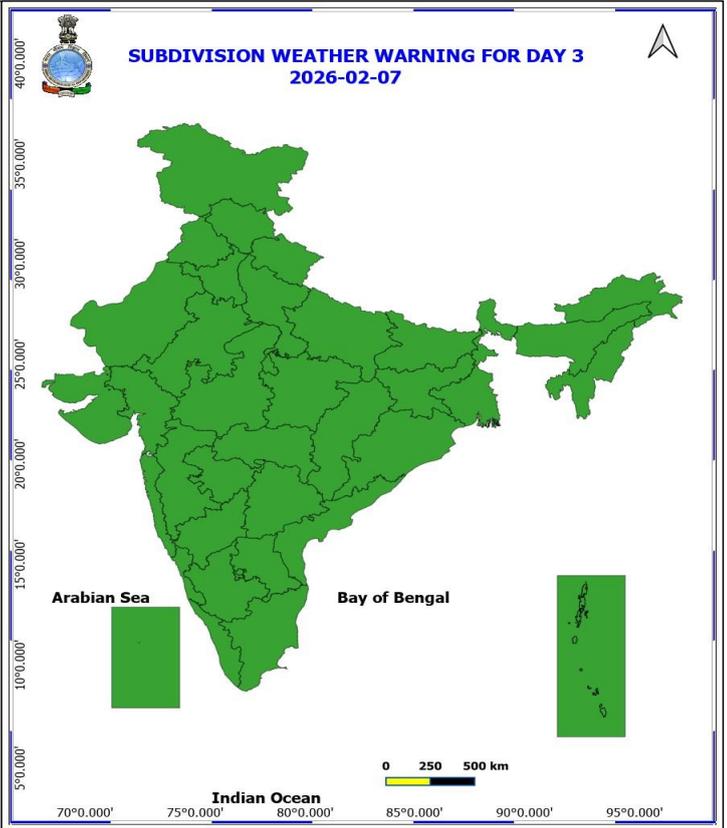
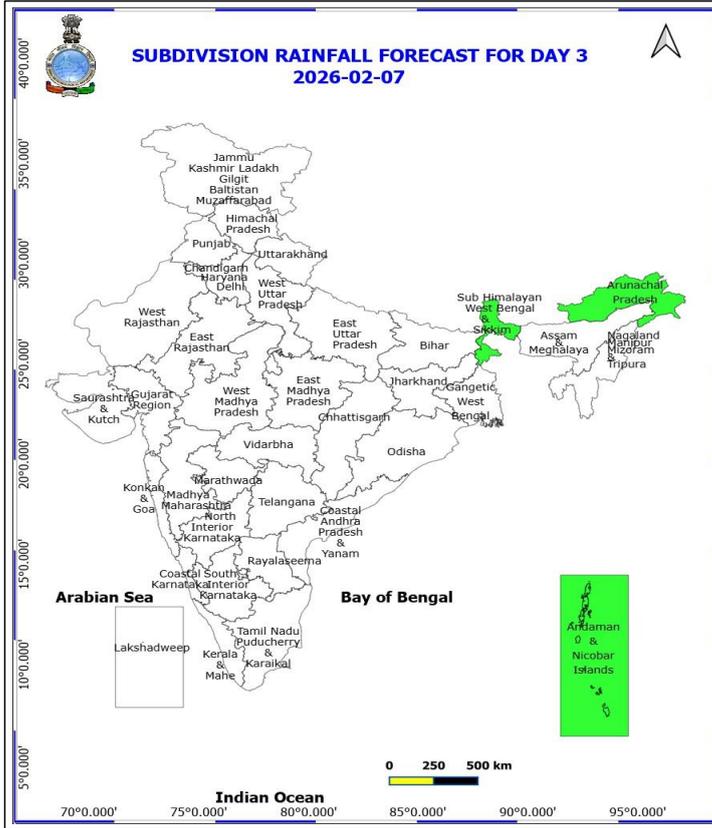
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6 February (Day 2)

❖ **Dense Fog** very likely at isolated places over Himachal Pradesh.

No Fishermen Warning

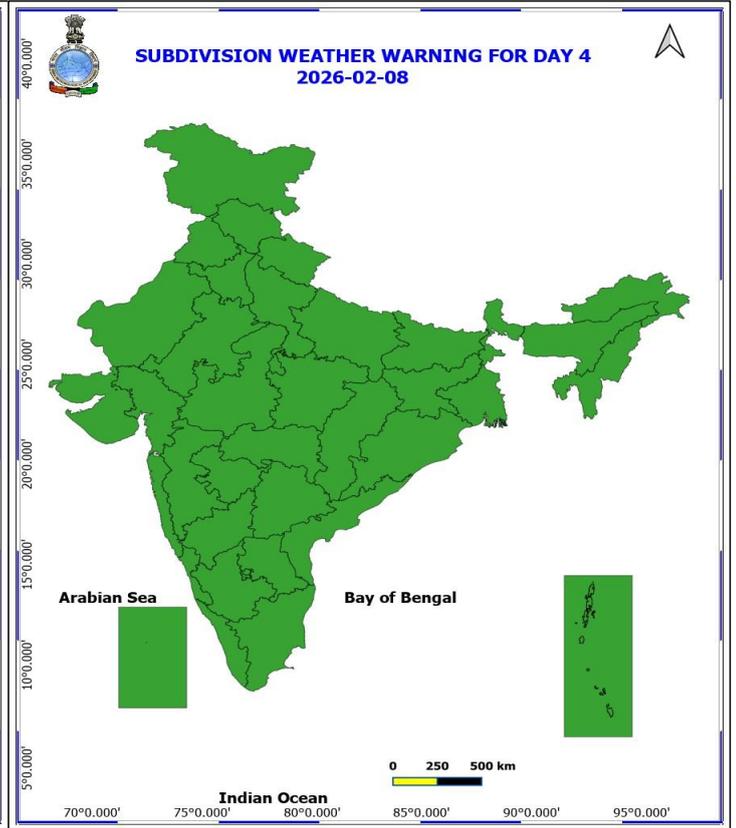
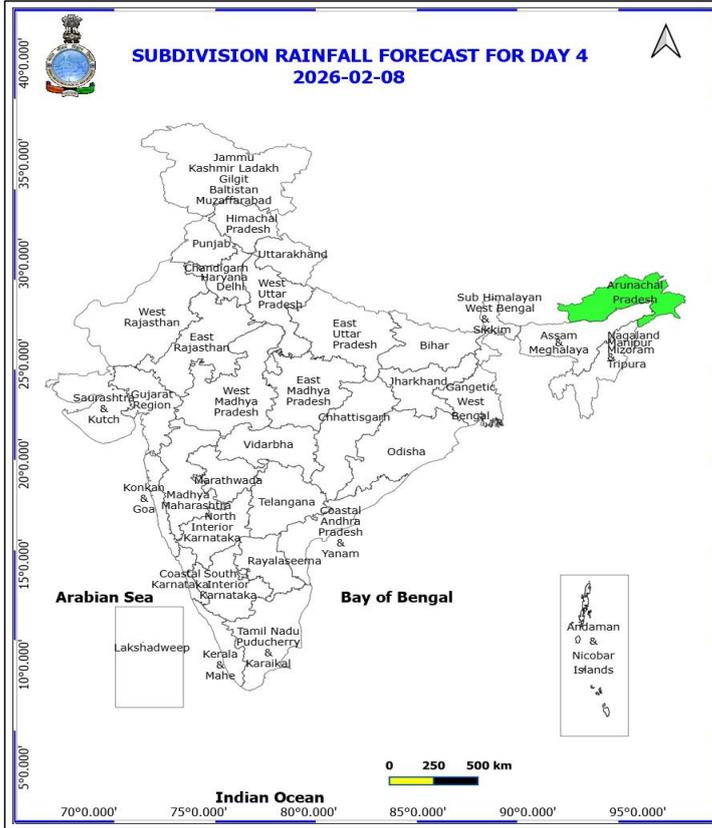


7 February (Day 3)

No Warning

No Fishermen Warning

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8 February (Day 4)

No Warning

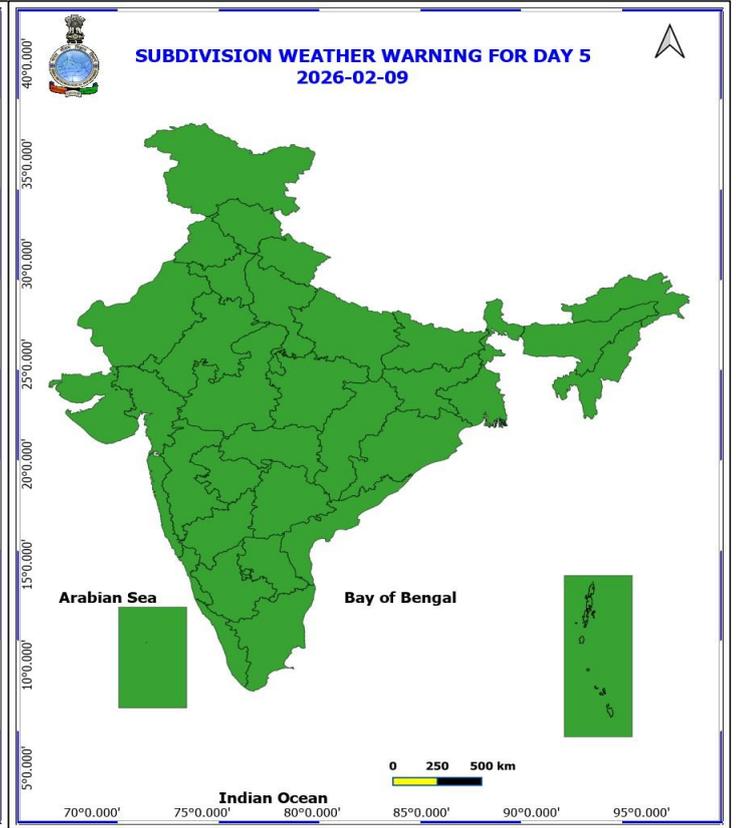
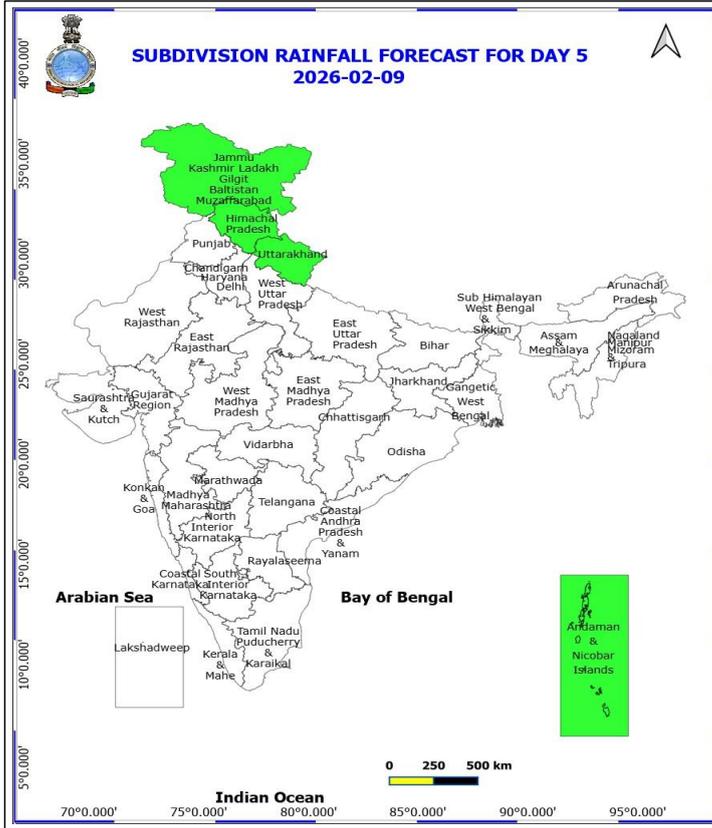
No Fishermen Warning

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9 February (Day 5)

No Warning

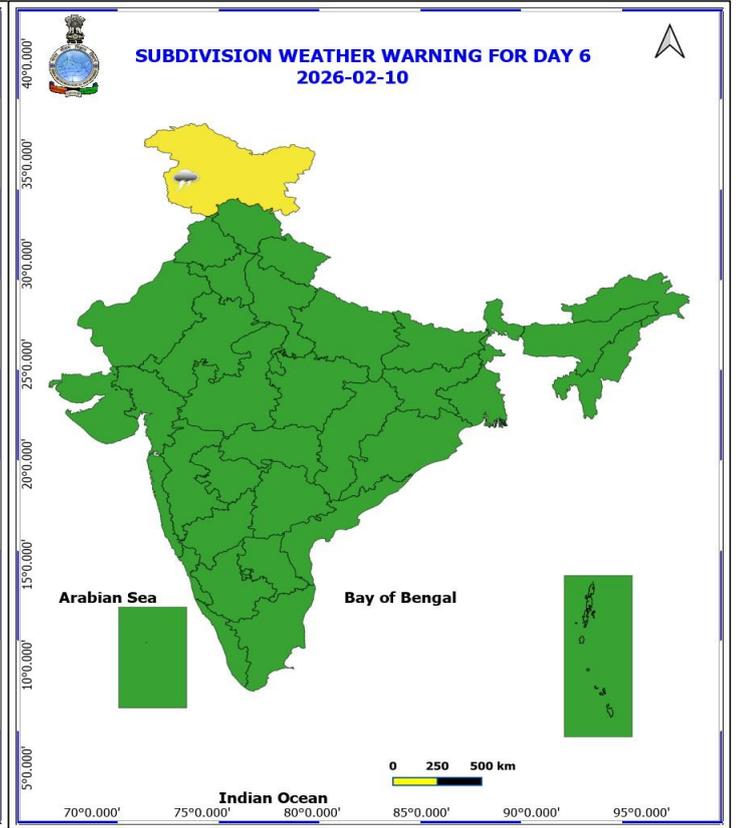
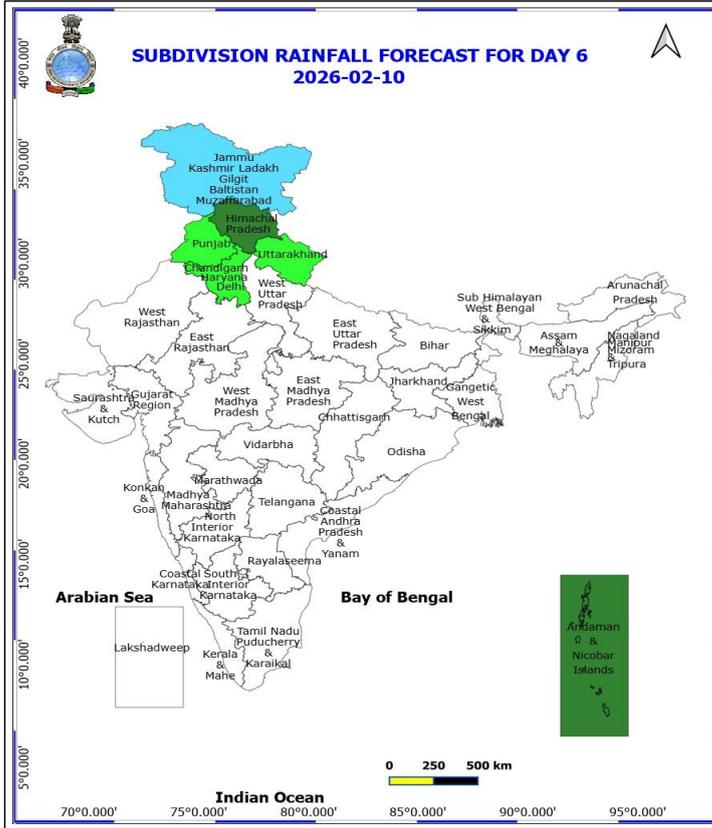
No Fishermen Warning

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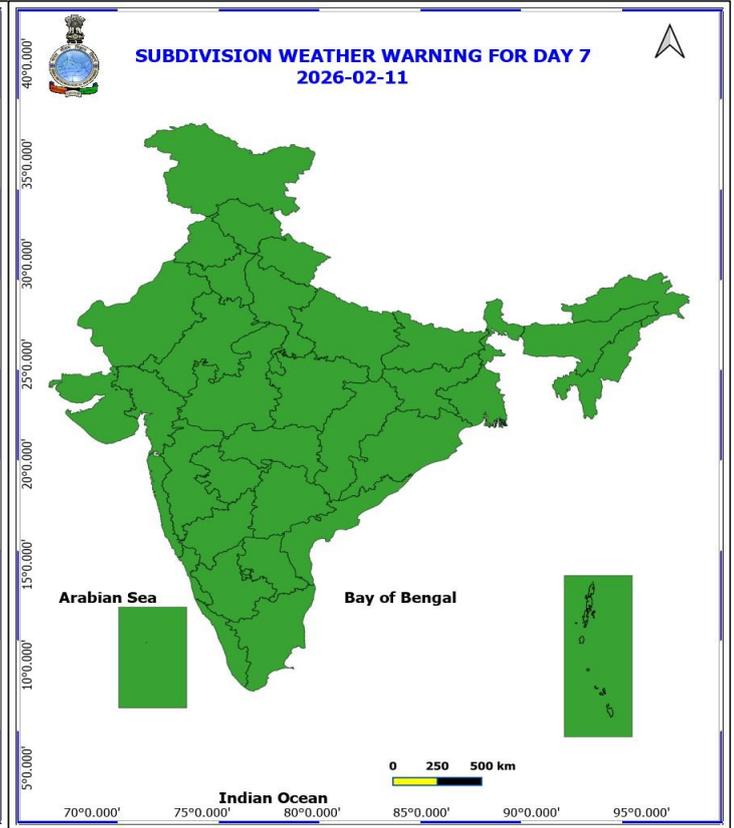
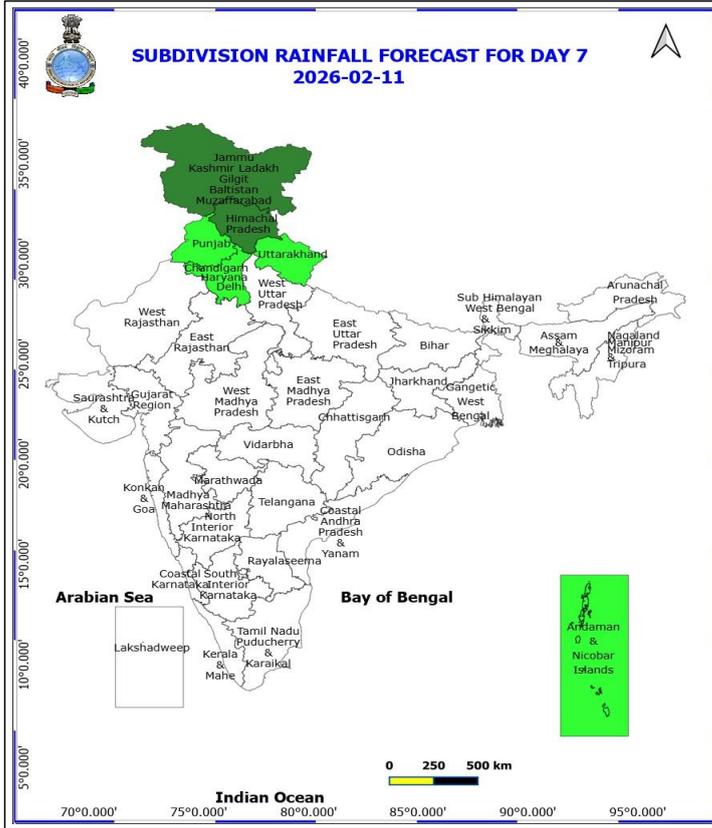
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10 February (Day 6)

❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad.

No Fishermen Warning



11 February (Day 7)

No Warning

No Fishermen Warning

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Table-1

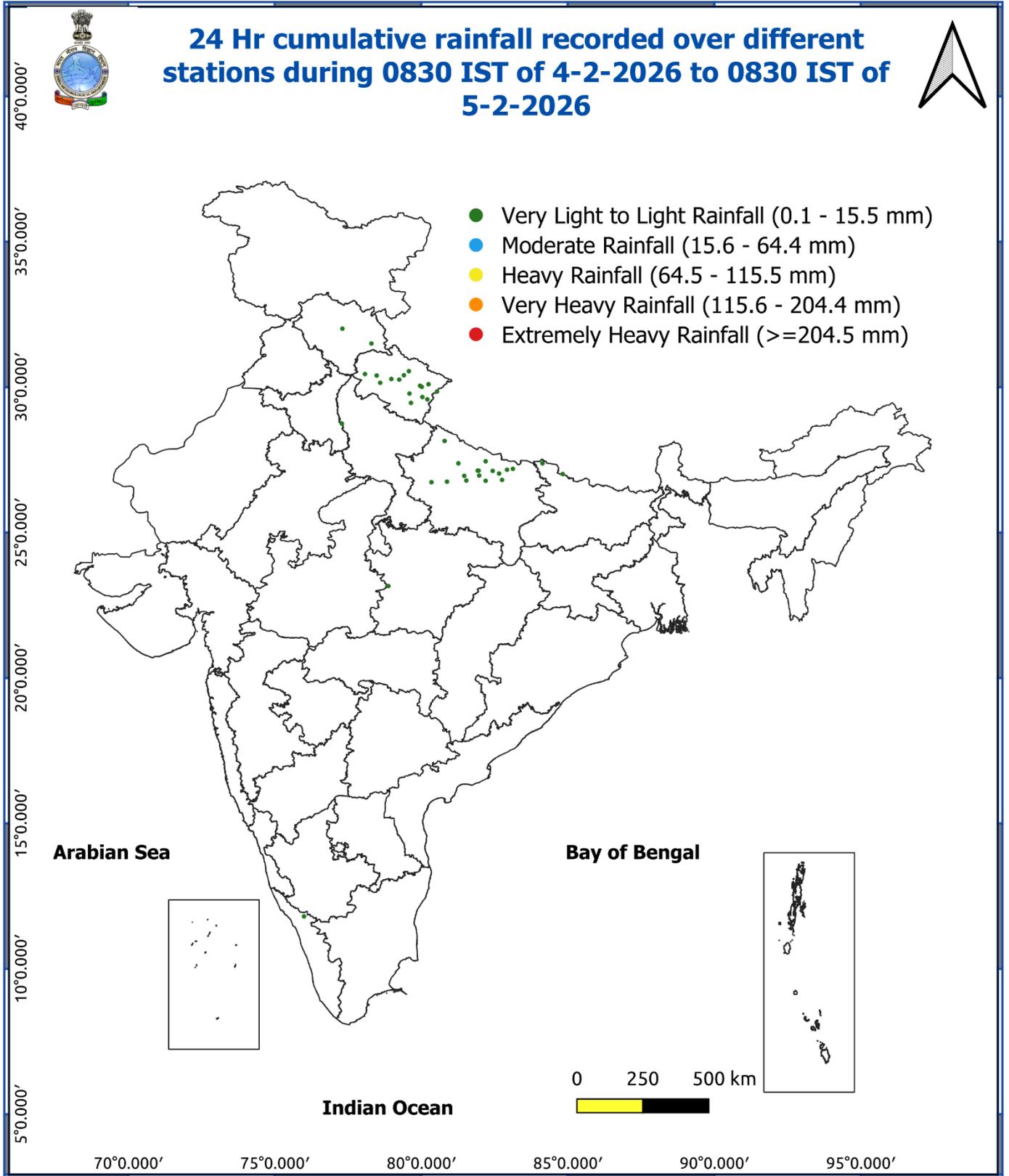
7 Days Rainfall Forecast

| S.No. | Subdivision | 5- Feb | 6- Feb | 7- Feb | 8- Feb | 9- Feb | 10- Feb | 11- Feb |
|-------|------------------------------|--------|--------|--------|--------|--------|---------|---------|
| | | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 | Day 7 |
| 1 | ANDAMAN & NICOBAR ISLANDS | ISOL | ISOL | ISOL | DRY | ISOL | SCT | ISOL |
| 2 | ARUNACHAL PRADESH | ISOL | DRY | ISOL | ISOL | DRY | DRY | DRY |
| 3 | ASSAM & MEHGHALAYA | ISOL | DRY | DRY | DRY | DRY | DRY | DRY |
| 4 | N. M. M. & T. | DRY | DRY | DRY | DRY | DRY | DRY | DRY |
| 5 | S.H. WEST BENGAL & SIKKIM | DRY | DRY | ISOL | DRY | DRY | DRY | 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 | 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 | DRY | ISOL | ISOL | ISOL |
| 13 | HARYANA, CHD & DELHI | DRY | DRY | DRY | DRY | DRY | ISOL | ISOL |
| 14 | PUNJAB | DRY | DRY | DRY | DRY | DRY | ISOL | ISOL |
| 15 | HIMACHAL PRADESH | DRY | ISOL | DRY | DRY | ISOL | SCT | SCT |
| 16 | JAMMU AND KASHMIR AND LADAKH | ISOL | ISOL | DRY | DRY | ISOL | 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 | DRY | DRY | DRY |
| 29 | TELANGANA | DRY | DRY | DRY | DRY | DRY | DRY | DRY |
| 30 | RAYALASEEMA | DRY | DRY | DRY | DRY | DRY | DRY | DRY |
| 31 | TAMILNADU & PUDUCHERRY | ISOL | DRY | DRY | DRY | 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 | DRY | DRY | DRY | DRY | DRY | DRY |
| 36 | LAKSHDWEEP | SCT | DRY | DRY | DRY | 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 |

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Impact and Actions

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

Dense fog conditions likely during morning/night hours at isolated/ some places over Uttarakhand, Uttar Pradesh, Madhya Pradesh and Bihar till 6th; Himachal Pradesh till 7th 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.

Agromet advisories for various parts of the country

Agromet advisories for likely impact of Ground frost/ Low Temperature

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

Livestock / Poultry

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

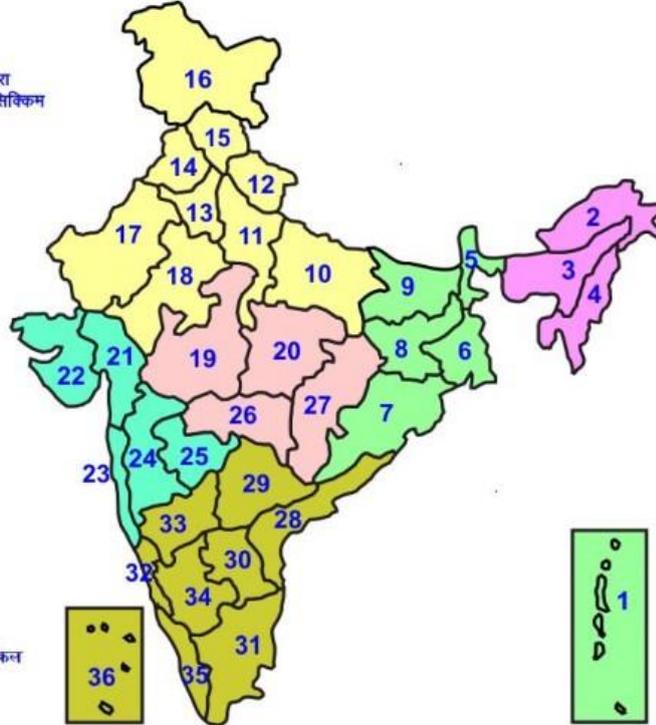
Keep the chicks warm by providing artificial light in the poultry sheds.

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 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. 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 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

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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 Storm: Wind speed > 220 kmph (> 119 knots)