

2026-02-04

Time of Issue: 14:00:00 hours IST  
(Mid-Day)

## ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

### Significant Weather Features

#### Weather Forecast and Warnings

- **Isolated to Scattered** rainfall/snowfall likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 5<sup>th</sup> & 6<sup>th</sup>; Himachal Pradesh and Uttarakhand on 6<sup>th</sup> February.
- **Another wet spell with Isolated to Scattered** rainfall/snowfall likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh and Uttarakhand on 9<sup>th</sup> & 10<sup>th</sup> February.
- **Isolated ground frost activity also likely** over Uttarakhand on 4<sup>th</sup> & 5<sup>th</sup> February, 2026.

#### Forecast of minimum temperatures:

- No significant change in minimum temperatures likely over northwest India during next 7 days except Uttar Pradesh where there is gradual fall in minimum temperature by 2-3°C during next 2-3 days.
- Gradual fall in minimum temperature by 2-3°C over Central India during next 48 hours and no significant change thereafter.
- Gradual fall in minimum temperature by 2-4°C over East India during next 3 days and no significant change thereafter.
- No significant change in minimum temperatures likely over Gujarat State during next 4 days and gradual fall by 2-3°C for subsequent 3 days
- No significant change in minimum temperatures likely over Maharashtra during next 24 hours, gradual fall by 2-3°C for subsequent 2 days and no significant change thereafter.
- No significant change in minimum temperatures over Northeast India.

#### Dense Fog, Cold day Warnings:

- **Dense to very dense fog conditions** likely during morning/night hours at isolated places over Uttar Pradesh till 7<sup>th</sup> February.
- **Dense fog** conditions likely during morning/night hours at isolated/ some places over Himachal Pradesh, Uttarakhand, West Madhya Pradesh and Bihar till 6<sup>th</sup>; Punjab, Haryana Chandigarh, northeast Rajasthan, Sub-Himalayan West Bengal & Sikkim and Jharkhand till 5<sup>th</sup> and Meghalaya till 7<sup>th</sup> February.

### Main Weather Observations:

❖ **Rainfall distribution** (from 0830 hours IST of yesterday to 0830 hours IST of today): **at many places** over Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad; **at a few places** over Andaman & Nicobar Islands, Himachal Pradesh and Lakshadweep; **at isolated places** over Arunachal Pradesh, Uttarakhand, West Madhya Pradesh, East Madhya Pradesh, Chhattisgarh, Tamil Nadu, Puducherry & Karaikal 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):  
**Lakshadweep:** Minicoy (dist Lakshadweep) 7; **Chhattisgarh:** Sonhat (dist Koriya) 1; **East Madhya Pradesh:** Jaithari (dist Anuppur), Lavkushnagar (dist Chhatarpur), Mohangarh (dist Tikamgarh) 1 Each; **West Madhya Pradesh:** Lahar (dist Bhind), Seodha(seondha) (dist Datia), Guna-aws (dist Guna) 1 Each; **Arunachal Pradesh:** Anini AWS (dist Dibang Valley) 1; **Himachal Pradesh:** Palampur (dist Kangra), Jogindarnagar (dist Mandi), Manali (dist Kullu), Kalpa (dist Kinnaur) 1 Each; **Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad:** Larnoo ARG (dist Anantnag), Nowgam (dist Kupwara), Bandipora AWS (dist Bandipore), Gund (dist Ganderbal), Batote (dist Ramban), Gulmarg RS (dist Baramula) 1 Each; **West Madhya Pradesh** Seodha(Datia)1;

❖ **Heavy Rainfall observed** (from 0830 hours IST of yesterday to 0830 hours IST of today):**Heavy rain** at a few places over Lakshadweep.

❖ **Minimum Temperature Departures (as on 04-02-2026):** **above normal by (3°C to 5°C)** at **isolated places** over Andaman & Nicobar Islands , and Chhattisgarh; **below normal(-1.6°C to -3.0°C)** at isolated places over Uttarakhand, Haryana-Chandigarh-Delhi, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad, and Tamil Nadu, Puducherry & Karaikal . . **The lowest minimum temperature** of 4.3°C is reported at HISSAR (HARYANA) over the Plains of India.

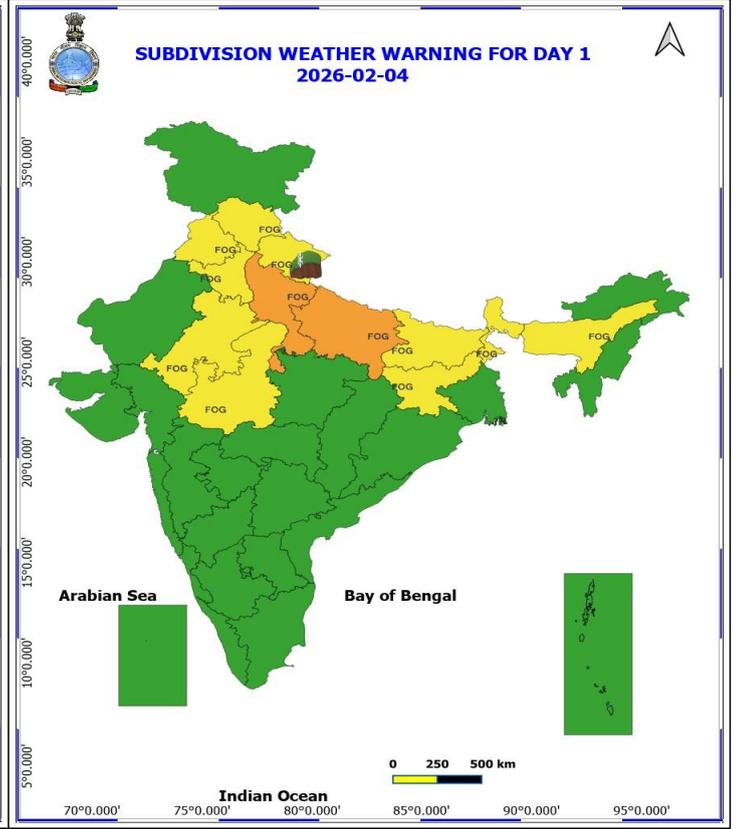
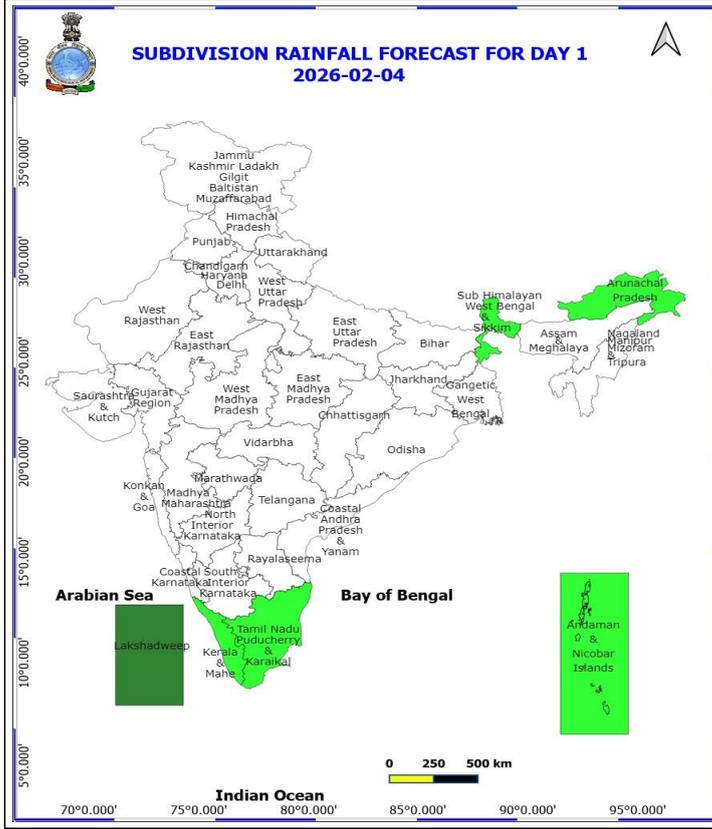
❖ **Maximum Temperature Departures (as on 03-02-2026):** The highest maximum temperature of 36.2°C

### Meteorological Analysis (Based on 0830 hours IST)

- The **Western Disturbance** now seen as a **cyclonic circulation** over north Haryana & neighbourhood at 3.1 km above mean sea level.
- The **induced cyclonic circulation** over northeast Punjab & neighbourhood now lies over northwest Uttar Pradesh & neighbourhood at 1.5 km above mean sea level.
- A fresh **Western Disturbance** seen as a trough in middle level tropospheric westerlies with its axis at 5.8 km above mean sea level runs roughly along Long.45°E to the north of Lat. 27°N.
- **Subtropical westerly Jet Stream** with core winds of the order of 140 knots at 12.6 km above mean sea level prevails over East & Northeast India.
- An **upper air cyclonic circulation** lies over South Kerala & neighbourhood at 1.5 km above mean sea level.
- A **trough** runs off Kerala-Karnataka coasts at 0.9 km above mean sea level.
- Another fresh **western disturbance** is likely to affect western Himalayan region from the night of 08<sup>th</sup> February 2026.
- The **upper air cyclonic circulation** over Lakshadweep & adjoining southeast Arabian 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.



#### 4 February (Day 1)

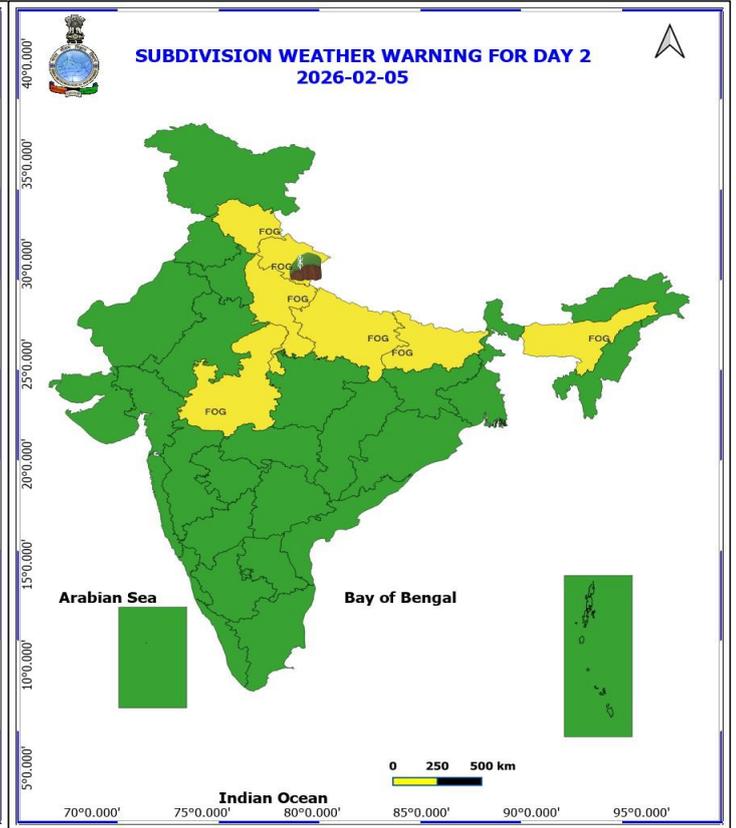
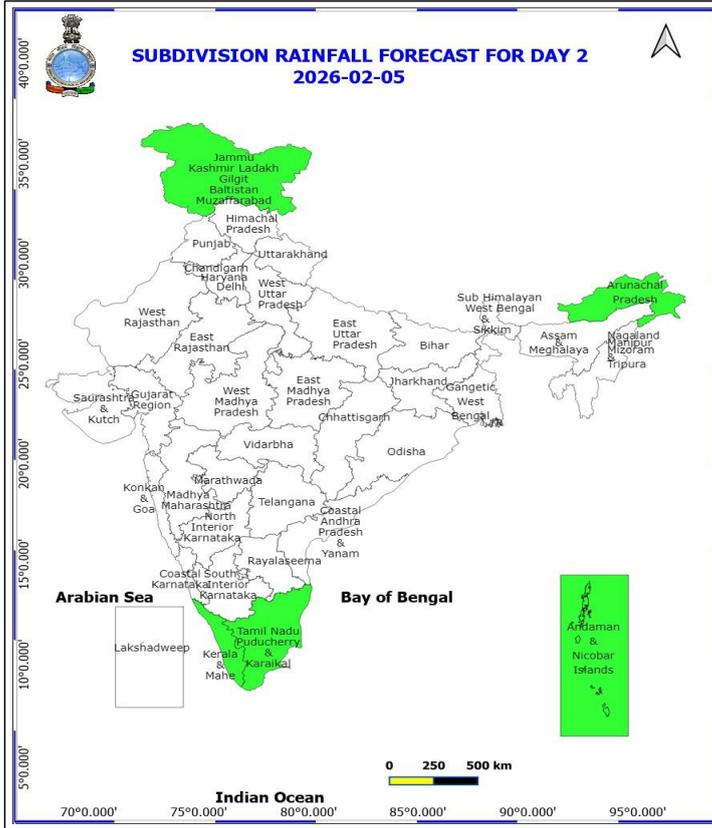
- ❖ **Ground Frost** very likely at isolated places over Uttarakhand.
- ❖ **Dense Fog** very likely at isolated places over Assam & Meghalaya, Bihar, East Rajasthan, Haryana, Chandigarh & Delhi, Himachal Pradesh, Jharkhand, Punjab, Sub Himalayan West Bengal & Sikkim, Uttarakhand and West Madhya Pradesh.
- ❖ **Dense to Very Dense Fog** very likely at isolated places over Uttar Pradesh.
- ❖ **Squally wind with speed 45 kmph to 55 kmph gusting to 65 kmph** is likely to prevail over Gulf of Mannar, adjoining 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

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### 5 February (Day 2)

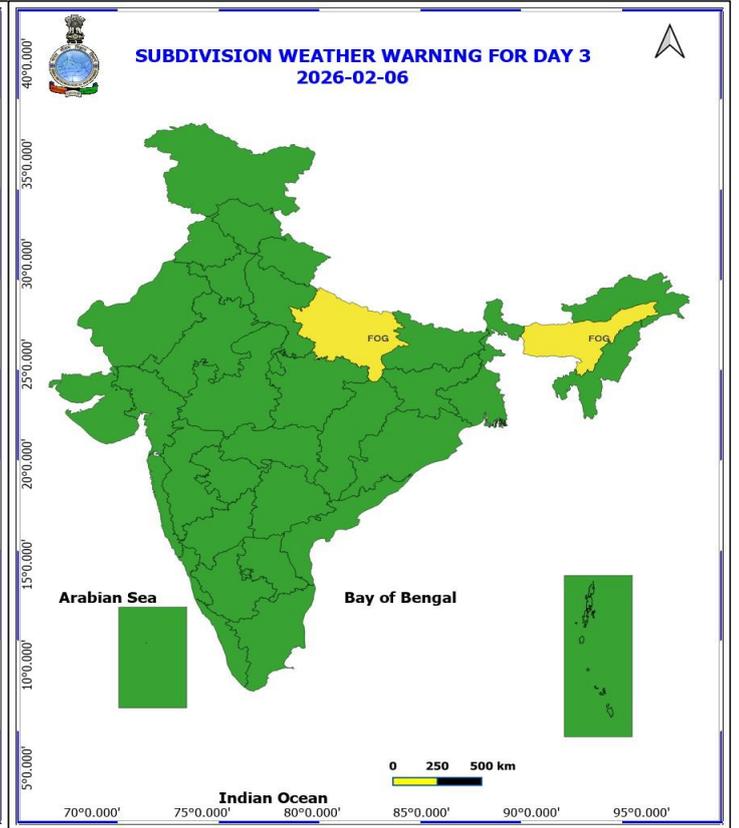
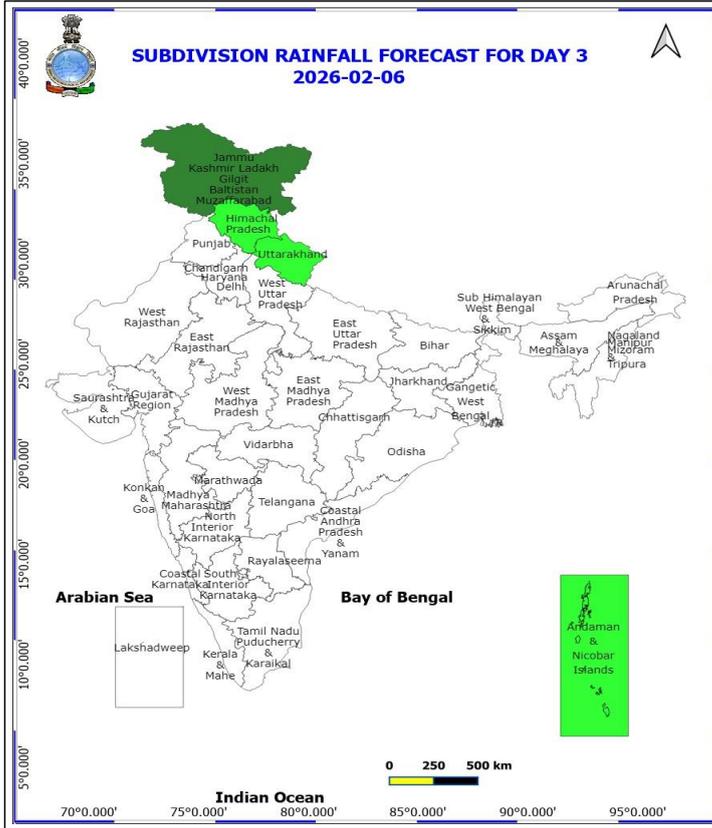
- ❖ **Ground Frost** very likely at isolated places over Uttarakhand.
- ❖ **Dense Fog** very likely at isolated places over Assam & Meghalaya, Bihar, Himachal Pradesh, Uttar Pradesh, Uttarakhand and West Madhya Pradesh.
- ❖ **Squally wind with speed 45 kmph to 55 kmph gusting to 65 kmph** is likely to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

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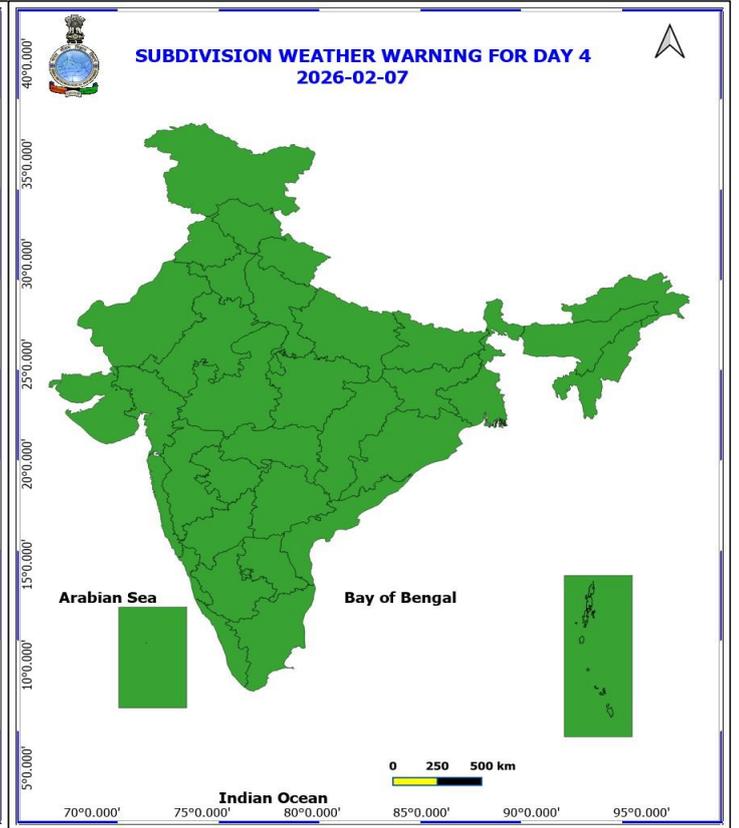
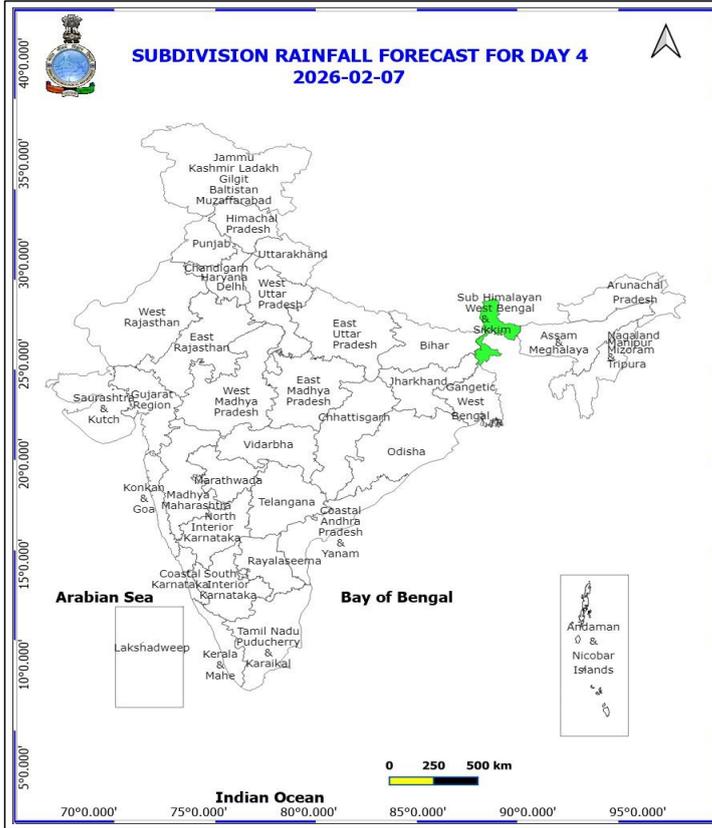
**6 February (Day 3)**

❖ **Dense Fog** very likely at isolated places over Assam & Meghalaya and East Uttar Pradesh.

**No Warning**

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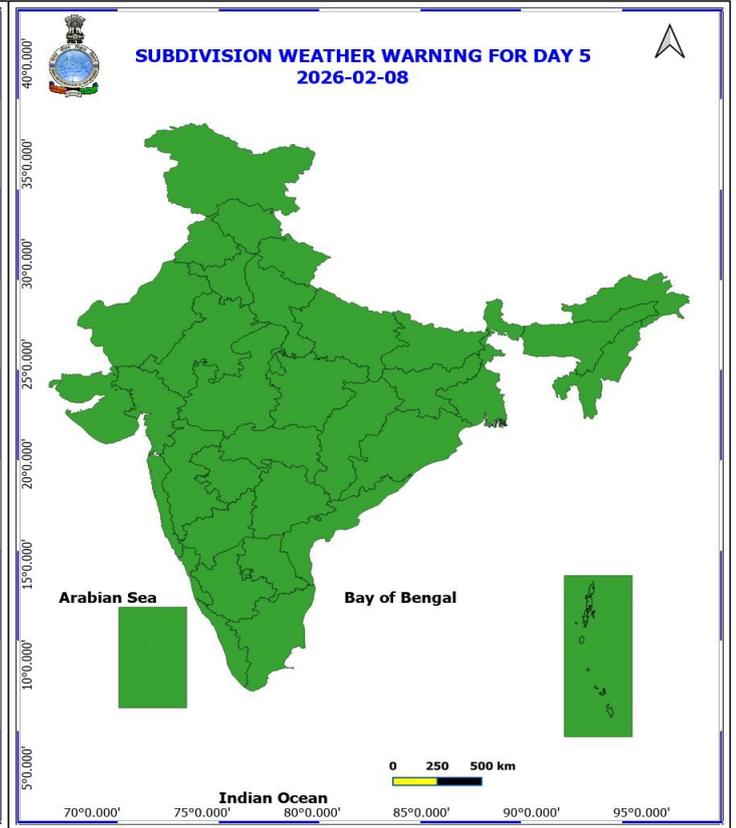
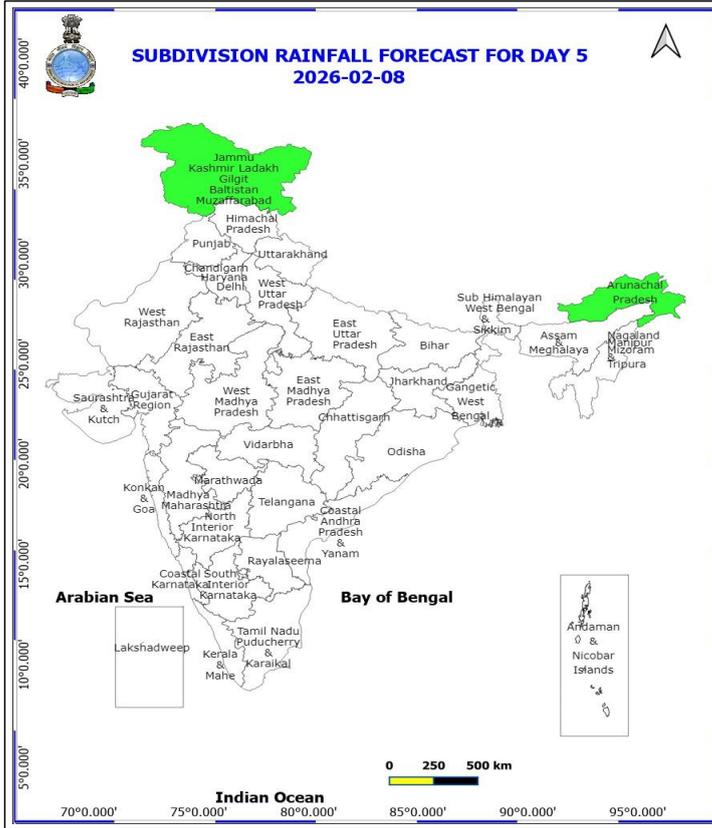
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7 February (Day 4)

No Warning

No Warning

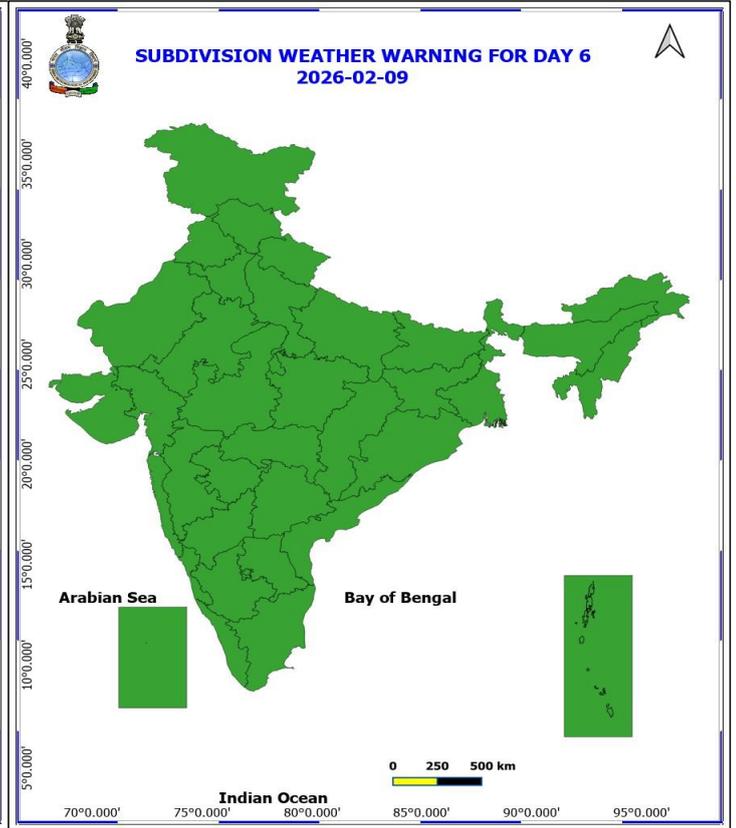
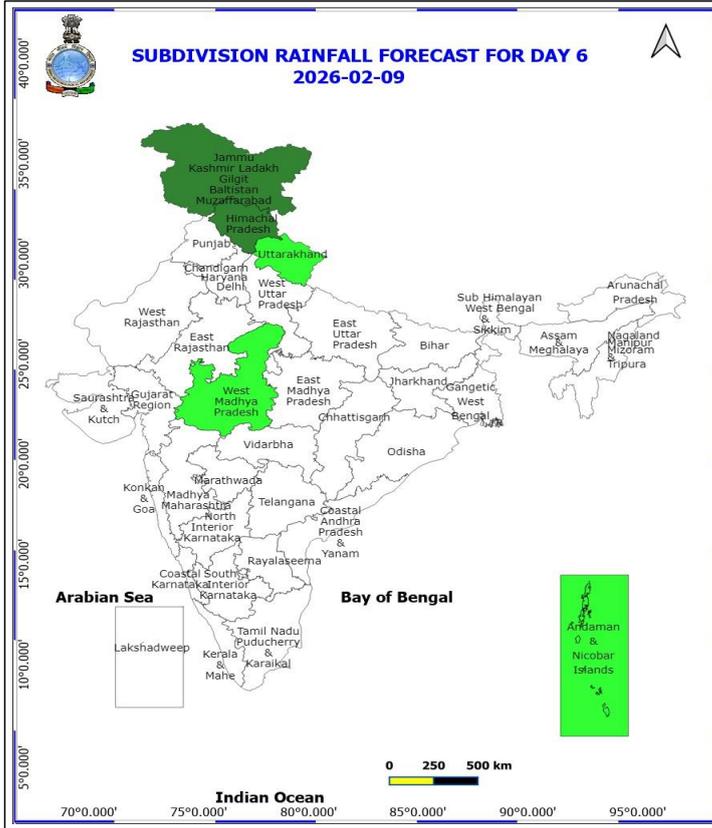


**8 February (Day 5)**

**No Warning**

**No Warning**

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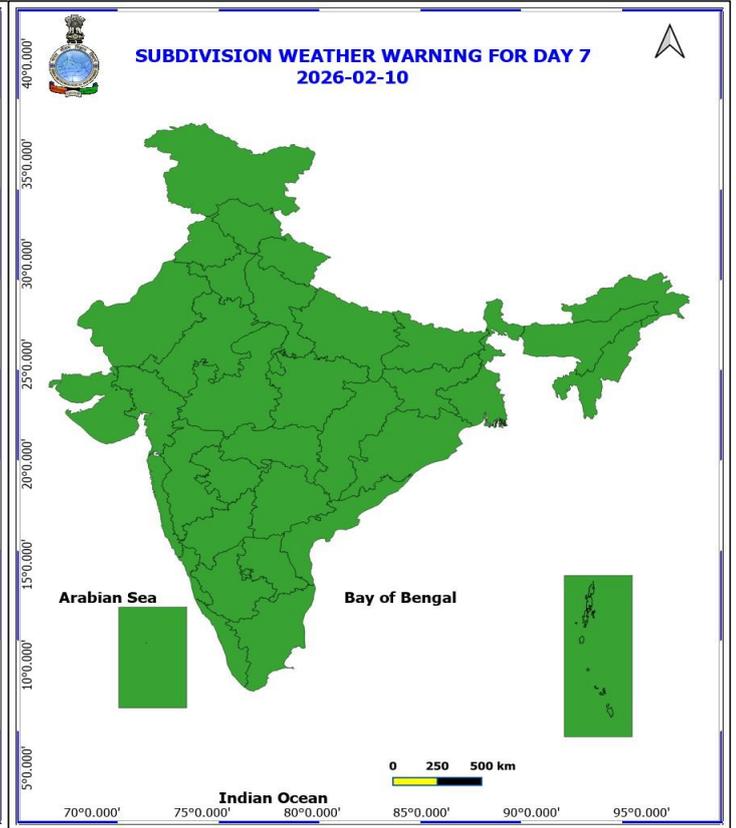
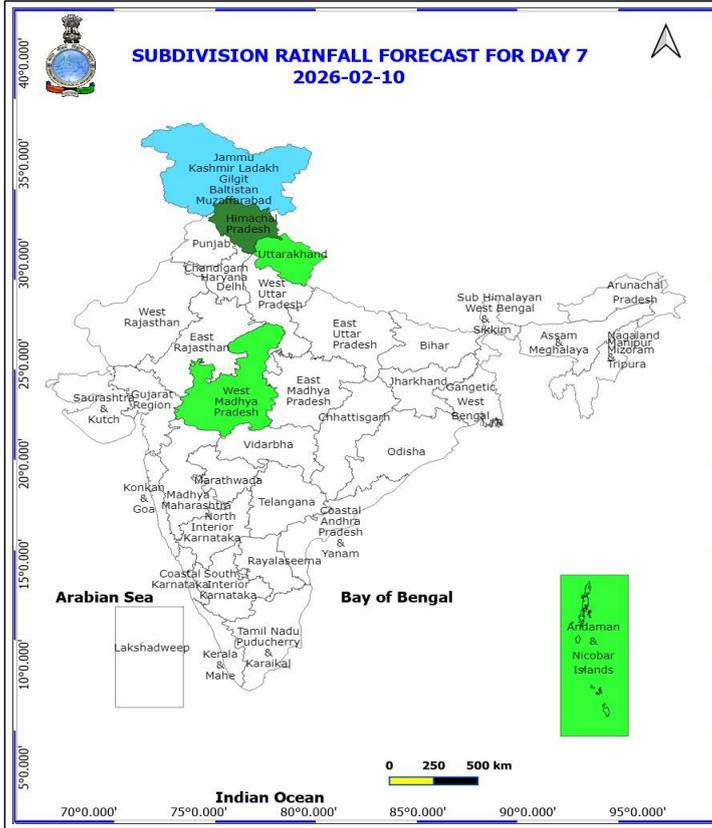
9 February (Day 6)

No Warning

No Fishermen Warning

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10 February (Day 7)

No Warning

No Fishermen Warning

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## Table-1

### 7 Days Rainfall Forecast

S.No.	Subdivision	4- Feb	5- Feb	6- Feb	7- Feb	8- Feb	9- Feb	10- Feb
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	ISOL	ISOL	ISOL	DRY	DRY	ISOL	ISOL
2	ARUNACHAL PRADESH	ISOL	ISOL	DRY	DRY	ISOL	DRY	DRY
3	ASSAM & MEHGHALAYA	DRY						
4	N. M. M. & T.	DRY						
5	S.H. WEST BENGAL & SIKKIM	ISOL	DRY	DRY	ISOL	DRY	DRY	DRY
6	GANGETIC WEST BENGAL	DRY						
7	ODISHA	DRY						
8	JHARKHAND	DRY						
9	BIHAR	DRY						
10	EAST UTTAR PRADESH	DRY						
11	WEST UTTAR PRADESH	DRY						
12	UTTARAKHAND	DRY	DRY	ISOL	DRY	DRY	ISOL	ISOL
13	HARYANA, CHD & DELHI	DRY						
14	PUNJAB	DRY						
15	HIMACHAL PRADESH	DRY	DRY	ISOL	DRY	DRY	SCT	SCT
16	JAMMU AND KASHMIR AND LADAKH	DRY	ISOL	SCT	DRY	ISOL	SCT	FWS
17	WEST RAJASTHAN	DRY						
18	EAST RAJASTHAN	DRY						
19	WEST MADHYA PRADESH	DRY	DRY	DRY	DRY	DRY	ISOL	ISOL
20	EAST MADHYA PRADESH	DRY						
21	GUJRAT REGION	DRY						
22	SAURASHTRA & KUTCH	DRY						
23	KONKAN & GOA	DRY						
24	MADHYA MAHARASHTRA	DRY						
25	MARATHWADA	DRY						
26	VIDARBHA	DRY						
27	CHATTISGARH	DRY						
28	COASTAL ANDHRA PRADESH	DRY						
29	TELANGANA	DRY						
30	RAYALASEEMA	DRY						
31	TAMILNADU & PUDUCHERRY	ISOL	ISOL	DRY	DRY	DRY	DRY	DRY
32	COSTAL KARNATAKA	DRY						
33	NORTH INTERIOR KARNATAKA	DRY						
34	SOUTH INTERIOR KARNATAKA	DRY						
35	KERALA	ISOL	ISOL	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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Fig. 1: Maximum Temperatures Dated 2026-02-03

Fig. 2: Departure of Maximum Temp. Dated 2026-02-03

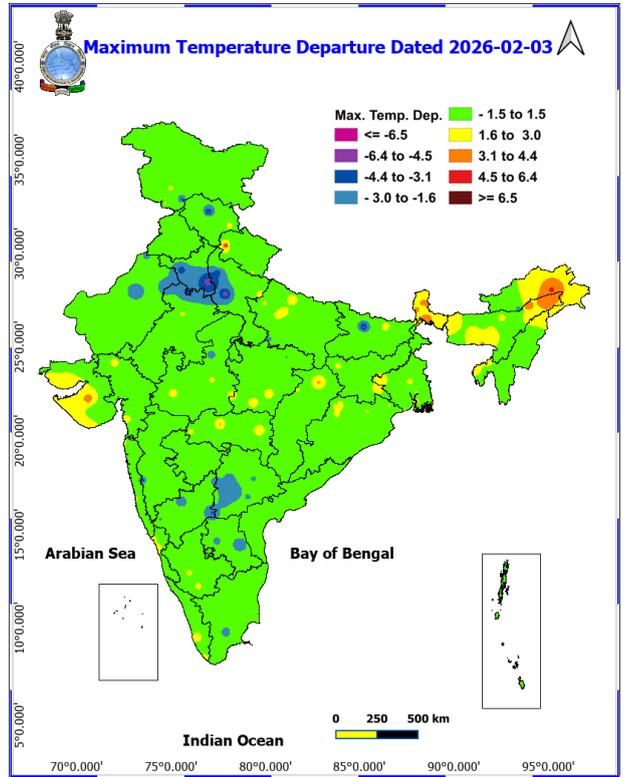
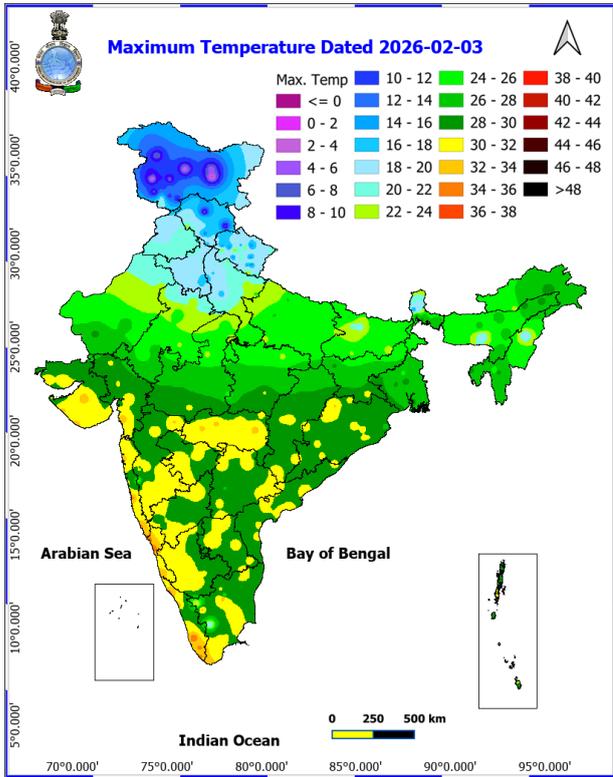
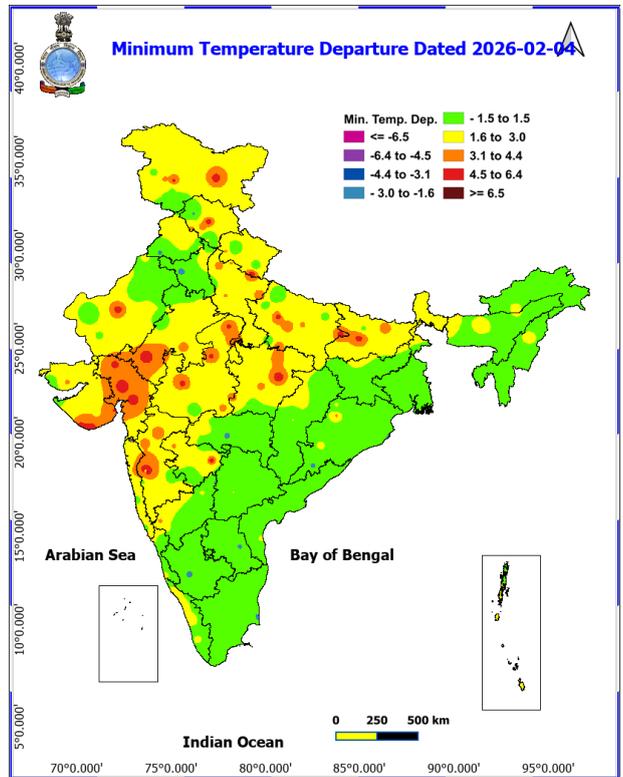
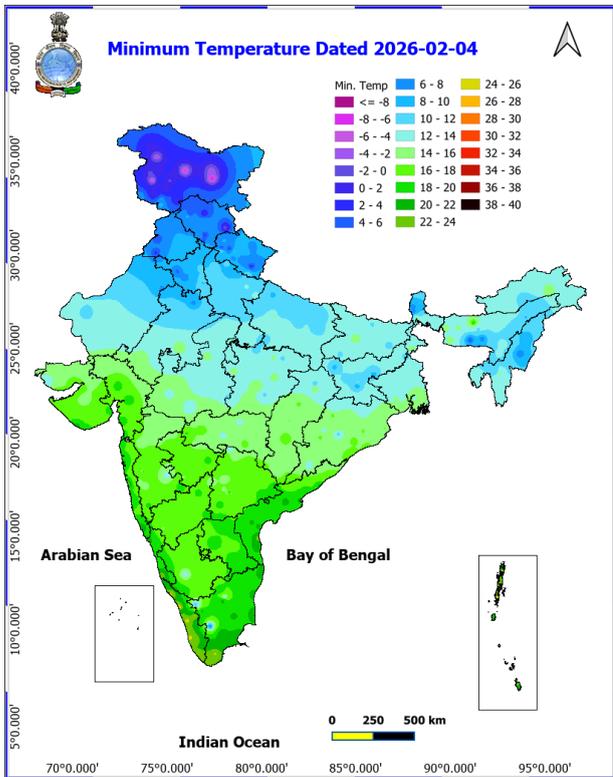


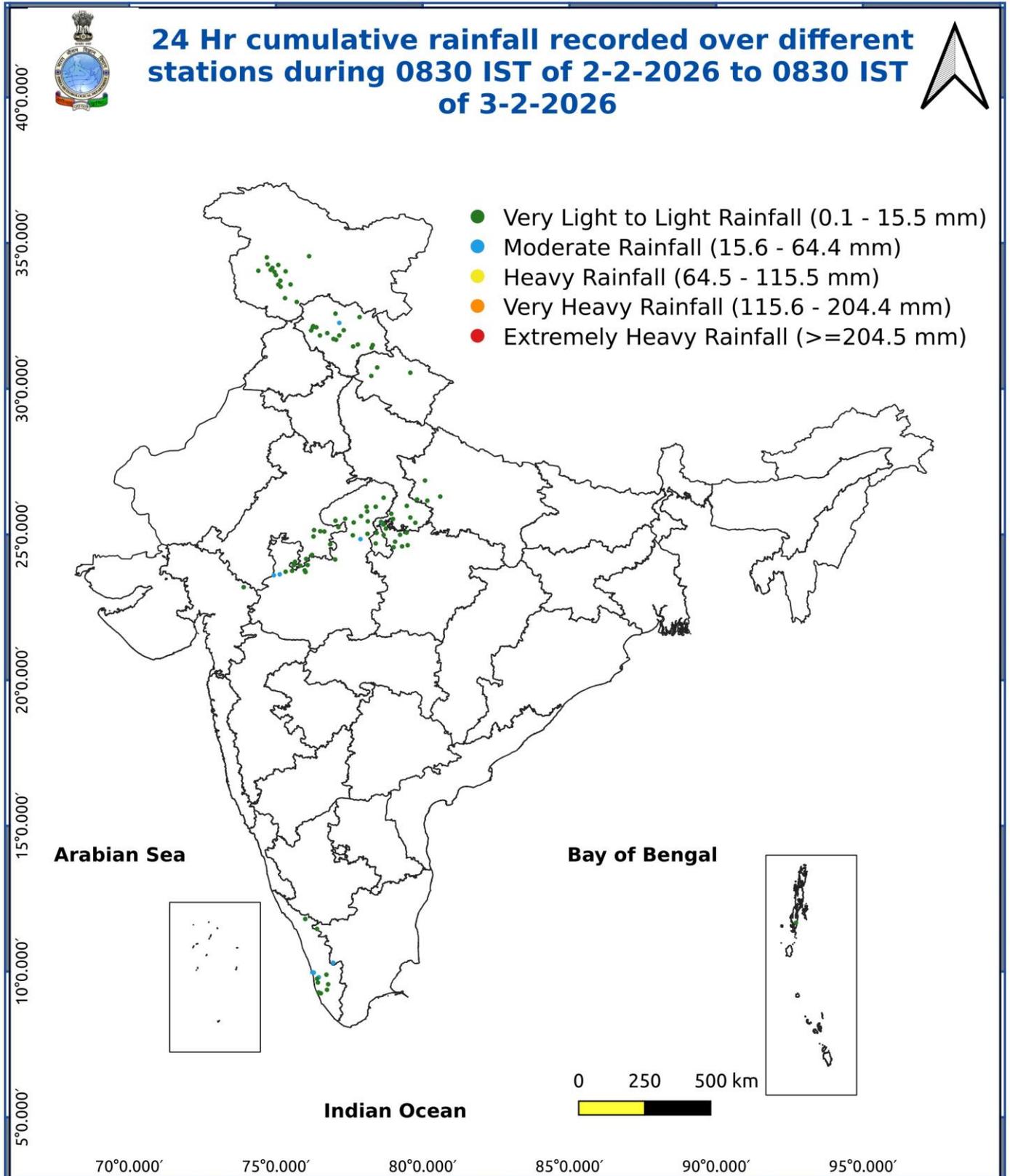
Fig. 3: Minimum Temperatures Dated 2026-02-04

Fig. 4: Departure of Minimum Temp. Dated 2026-02-04



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### Impact and Actions

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

Dense to very dense fog conditions likely during morning/night hours at isolated/ few places over Himachal Pradesh, Uttarakhand, plains of northwest India and west Madhya Pradesh till 06th February, 2026.

#### Transport and Aviation:

- May affect some airports, highways and railway routes in the areas of met- sub-division.
- Difficult driving conditions with slower journey times.
- Unless taken precautionary measures, it may lead to some road traffic collisions.

#### Power Sector:

- Chances of Tripping of Power lines in the very dense fog routes.

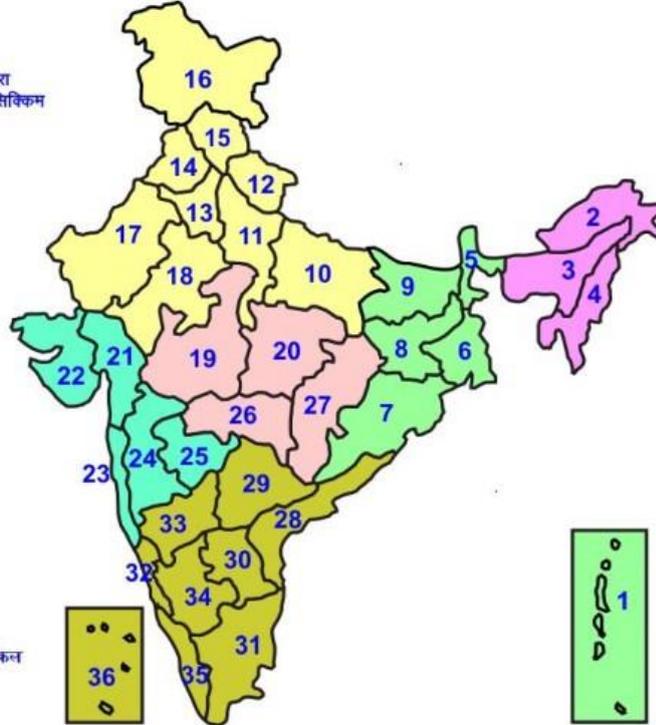
#### Human Health:

- Lung related health impacts: Dense fog contains particulate matter and other pollutants and in case exposed it gets lodged in the lungs, clogging them and decreasing their functional capacity which increases episodes of wheezing, coughing and shortness of breath.
- Impact on people having asthma bronchitis: Long time exposure to dense fog may cause respiratory problem for people having asthma bronchitis and other lung related health problems.
- Eye Irritation: Dense fog contains pollutions of various types and these Pollutants in the air if exposed may tend to irritate the membranes of the eye causing various infections leading to redness or swelling of the eye.

### Agromet advisories for various parts of the country

## 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  $4.5^{\circ}\text{C}$  to  $6.4^{\circ}\text{C}$ .  
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  $40^{\circ}\text{C}$

Warm Night: When minimum temperature departure  $4.5^{\circ}\text{C}$  to  $6.4^{\circ}\text{C}$ .  
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  $-4.5^{\circ}\text{C}$  to  $-6.4^{\circ}\text{C}$ .  
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  $-4.5^{\circ}\text{C}$  to  $-6.4^{\circ}\text{C}$ .  
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)