

2026-02-21

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

ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

Significant Weather Features

Weather Systems, Forecast and Warnings

Heavy rainfall likely at isolated places over south Tamil Nadu and Kerala & Mahe on 21st & 22nd February.

Isolated to Scattered light/moderate rainfall with **thunderstorm, lightning & gusty winds speed reaching (30-40 kmph)** likely over Tamil Nadu, Kerala & Mahe on 21st & 22nd; with **thunderstorm & lightning** likely over Uttarakhand on 22nd; Vidarbha on 23rd, Chhattisgarh & Odisha on 23rd & 24th; Kerala & Mahe on 23rd; South Interior Karnataka during 21st-24th and Coastal & North Interior Karnataka during 22nd-24th February.

Isolated rainfall/snowfall likely over Jammu-Kashmir & Himachal Pradesh on 22nd & 23rd and Uttarakhand during 22nd-24th February.

Forecast of minimum temperatures:

No significant change in minimum temperature likely over Maharashtra during next 4 days and gradual fall by 2-4°C during subsequent 3 days.

No significant change in minimum temperature likely over Gujarat State during next 2 days and gradual fall by 2-3°C during subsequent 5 days.

No significant change in minimum temperatures likely over rest parts of the country.

Forecast of maximum temperatures:

Gradual rise in maximum temperature by 2-4°C likely over Northwest India during next 7 days.

Gradual rise in maximum temperature by 2-3°C likely over Central India during next 2 days and no significant change during subsequent 5 days.

Gradual rise in maximum temperature by 2-3°C likely over Gujarat State and Maharashtra during next 2-3 days and gradual fall by 2-3 °C during subsequent 4-5 days.

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Main Weather Observations:

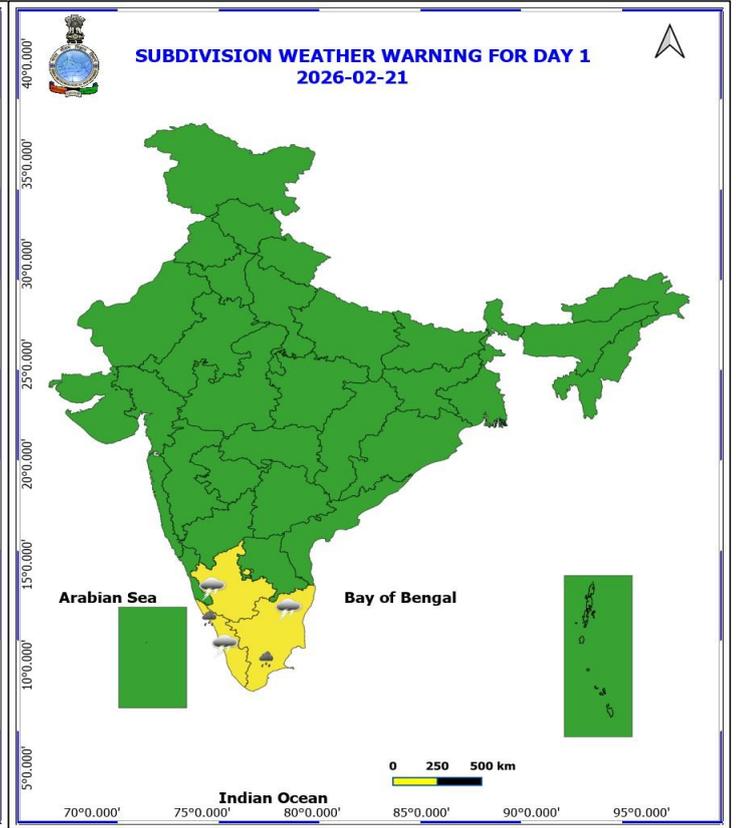
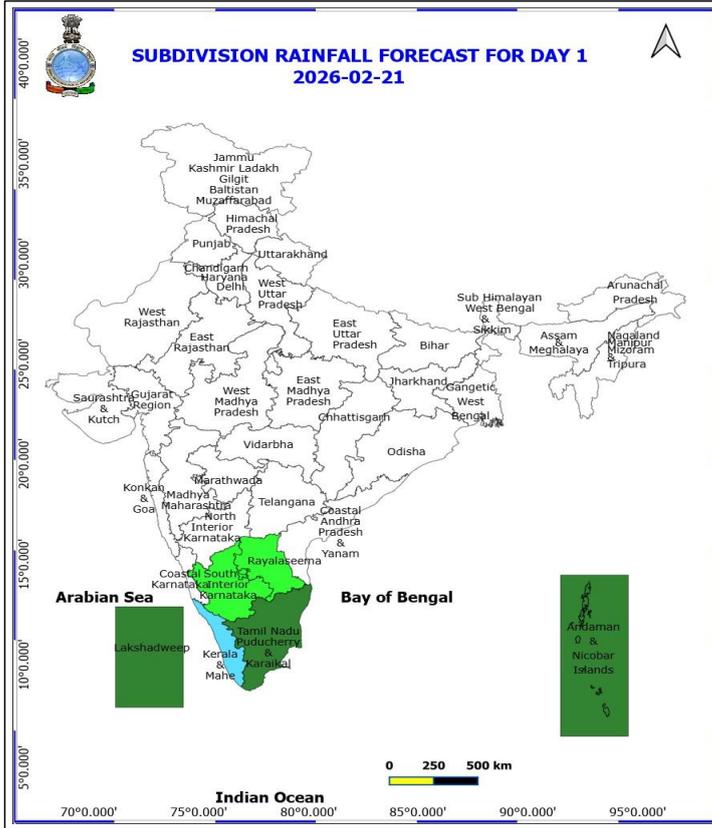
- ❖ **Rainfall distribution** (from 0830 hours IST of yesterday to 0530 hours IST of today): **at many places** over Madhya Pradesh and Tamilnadu Puducherry & Karaikal; **Dry** over rest of the country.
- ❖ **Minimum Temperature Departures (as on 20-02-2026): below normal (-1.6°C to -3.0°C)** at few places over Odisha; at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gangetic West Bengal, Himachal Pradesh, Gujarat Region, Coastal Andhra Pradesh & Yanam, Telangana and Tamil Nadu, Puducherry & Karaikal. **appreciably below normal (-5.0°C to -3.1°C)** at few places over Rayalaseema and South Interior Karnataka; at isolated places over Assam & Meghalaya, Sub Himalayan West Bengal & Sikkim, Odisha, East Uttar Pradesh, West Madhya Pradesh, East Madhya Pradesh, Gujarat Region, Konkan & Goa, Vidarbha, Coastal Andhra Pradesh & Yanam, Tamil Nadu, Puducherry & Karaikal and North Interior Karnataka. **markedly below normal (< -5.0°C)** at few places over Gangetic West Bengal, West Madhya Pradesh and East Madhya Pradesh; at isolated places over Assam & Meghalaya, Odisha, Jharkhand, Bihar, East Uttar Pradesh, West Uttar Pradesh, Himachal Pradesh, West Rajasthan, Saurashtra & Kutch, Coastal Andhra Pradesh & Yanam, Rayalaseema, Tamil Nadu, Puducherry & Karaikal and South Interior Karnataka. **The lowest minimum temperature of 8.5°C** was reported at **NARNAUL (HARYANA)** over the Plains of India.
- ❖ **Maximum Temperature Departures (as on 20-02-2026):** The highest maximum temperature of 37.5°C was reported at KOTTAYAM (KERALA).

Meteorological Analysis (Based on 0530 hours IST)

- ❖ Under the influence of the **upper air cyclonic circulation** over the Equatorial Indian Ocean & adjoining southeast Bay of Bengal, a **low pressure area** has formed over the same region at 0530 hrs IST of today, the 21st February, 2026. The associated cyclonic circulation extends upto 5.8 km above mean sea level. It is likely to move west-northwestwards & become more marked over southwest Bay of Bengal & adjoining Equatorial Indian Ocean during next 24 hrs.
- ❖ The **upper air cyclonic circulation** over the Equatorial Indian Ocean & adjoining southwest Bay of Bengal extending upto 3.1 km above mean sea level persists.
- ❖ The **Western Disturbance** as trough now runs from northwest Bihar to southwest Madhya Pradesh across East Uttar Pradesh at 5.8 km above mean sea level.
- ❖ The **upper air cyclonic circulation** over south Haryana and adjoining Punjab at 1.5 km above mean sea level has become less marked.
- ❖ The **upper air cyclonic circulation** over northeast Assam persists and now extends upto 3.1 km above mean sea level.
- ❖ The **upper air cyclonic circulation** over East Bangladesh & neighbourhood at 1.5 km above mean sea level persists.
- ❖ The **trough** from the cyclonic circulation over Equatorial Indian Ocean & adjoining southwest Bay of Bengal to the Lakshadweep area across south Tamil Nadu and south Kerala between 3.1 & 4.5 km above mean sea level persists.
- ❖ **Subtropical westerly Jet Stream** with core winds of the order of 100 knots at 12.6 km above mean sea level prevails over North India.
- ❖ A feeble **Western Disturbance** is likely to affect Western Himalayan region from 22nd February.

Weather Outlook for subsequent 3 days

- ◆ Isolated to Scattered rainfall activity likely over Western Himalayan region, Kerala & Mahe, Arunachal Pradesh and Lakshadweep.



21 February (Day 1)

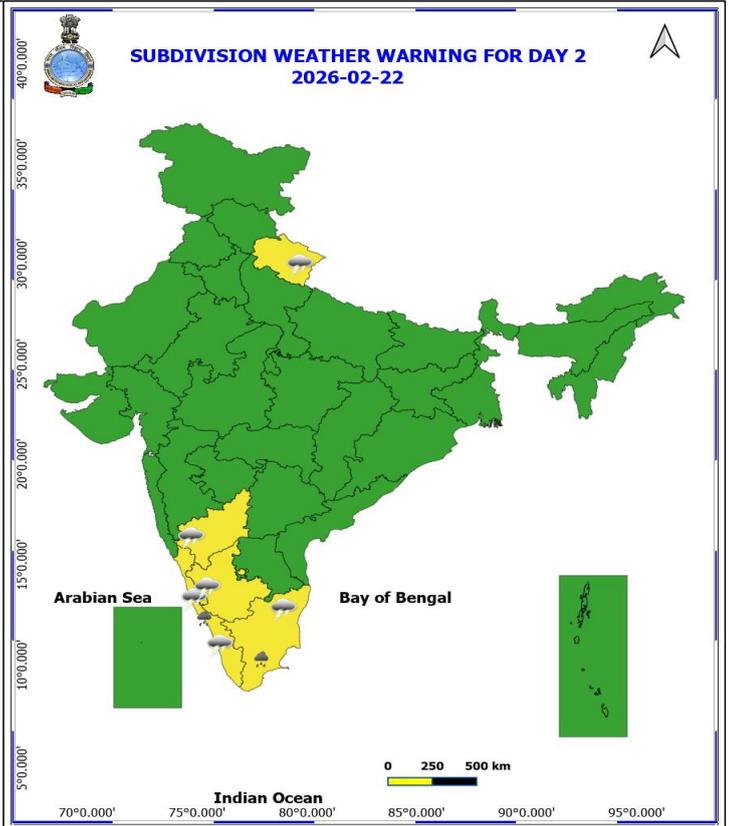
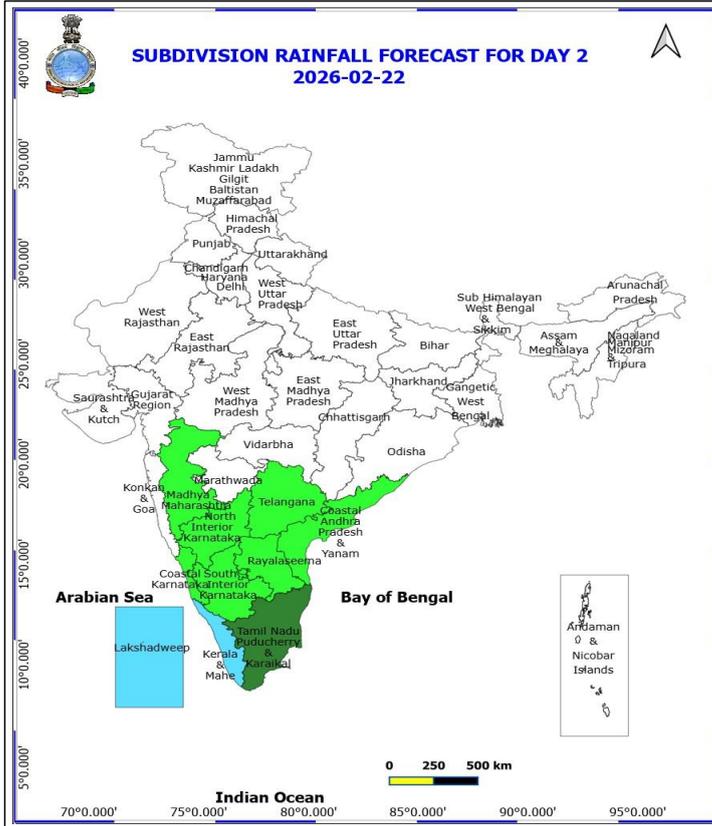
- ❖ **Heavy Rainfall** very likely at isolated places over Kerala & Mahe and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Kerala & Mahe and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over South Interior Karnataka.
- ❖ **Squally weather with wind speed 40 to 50 kmph gusting to 60 kmph** likely to prevail over Gulf of Mannar and Comorin area, adjoining Equatorial Indian Ocean, along and off west Sri Lanka coast, over some parts of southeast Bay of Bengal and adjoining Equatorial Indian Ocean, many parts of south Andaman Sea

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22 February (Day 2)

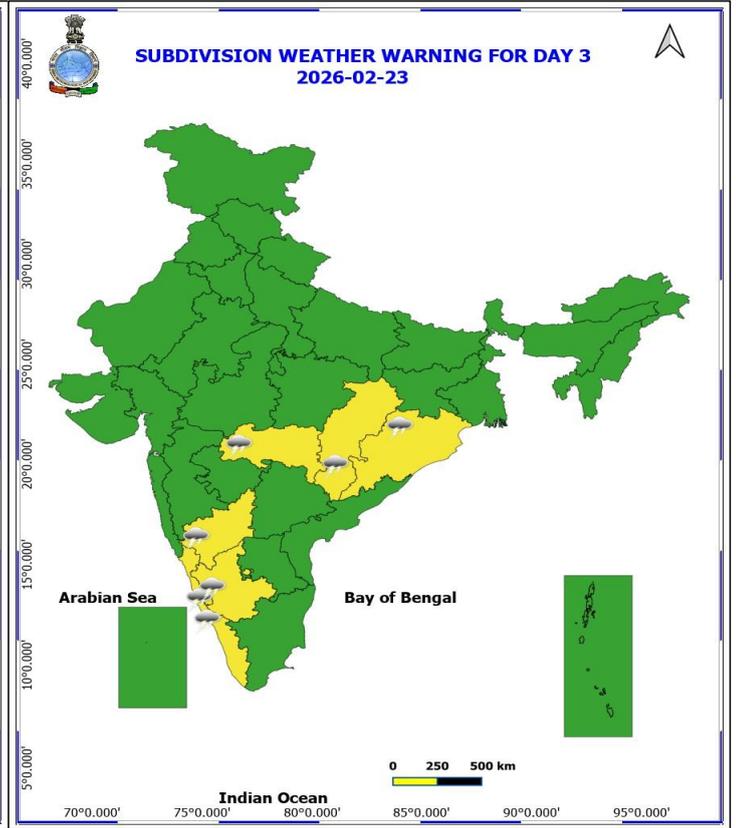
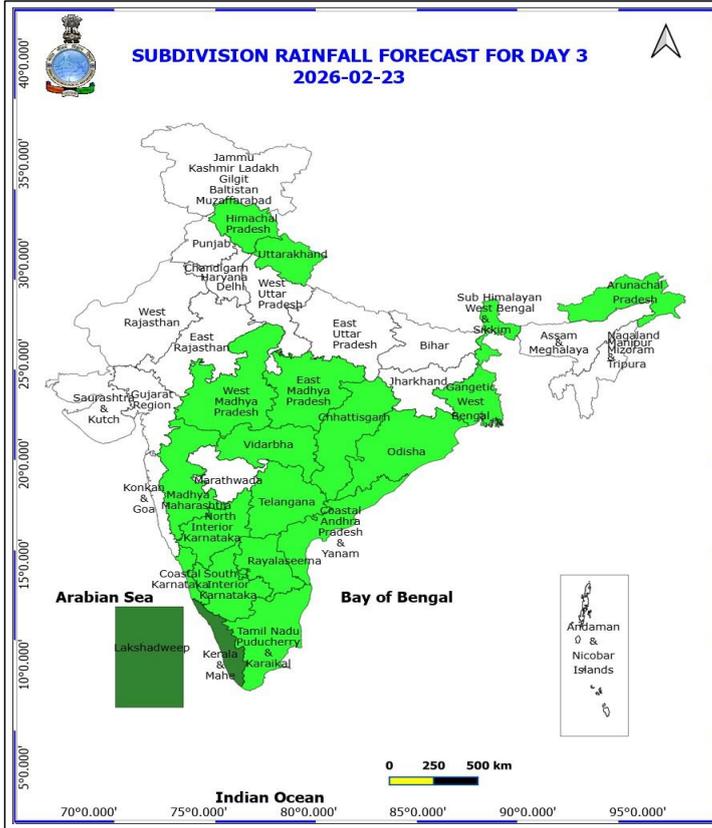
- ❖ **Heavy Rainfall** very likely at isolated places over Kerala & Mahe and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Kerala & Mahe and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Karnataka and Uttarakhnad.
- ❖ **Squally weather with wind speed 40 to 50 kmph gusting to 60 kmph** likely to prevail over some parts of southwest Bay of Bengal, some parts of southeast Bay of Bengal adjoining to southwest Bay of Bengal & EIO and over some parts of Comorin area.

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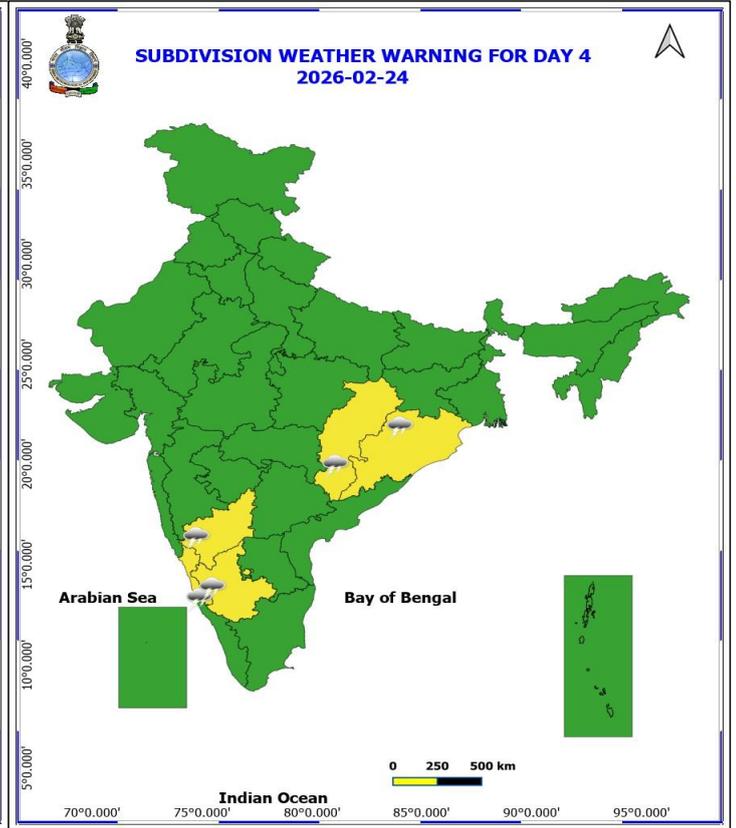
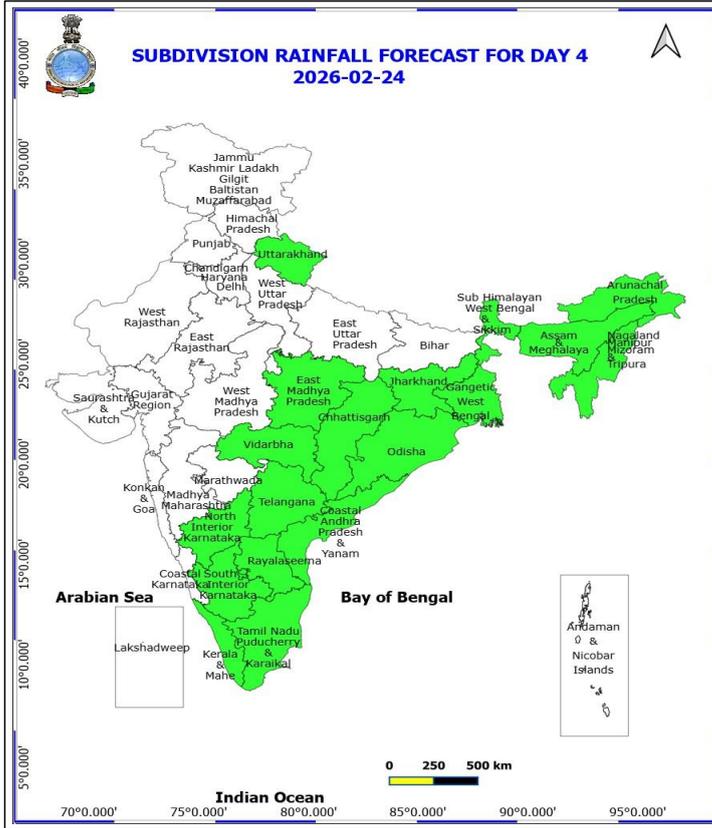


23 February (Day 3)

- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Chhattisgarh, Karnataka, Kerala & Mahe, Odisha and Vidarbha.
- ❖ **Squally weather with wind speed 40 to 50 kmph gusting to 60 kmph** likely to prevail over some parts of southwest Bay of Bengal and off north Sri Lanka coast.

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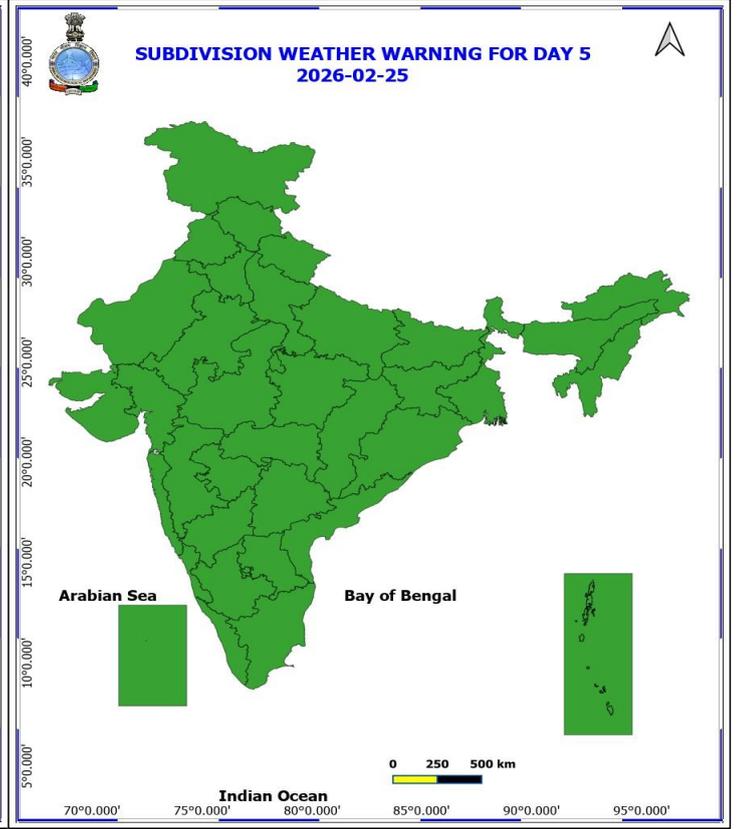
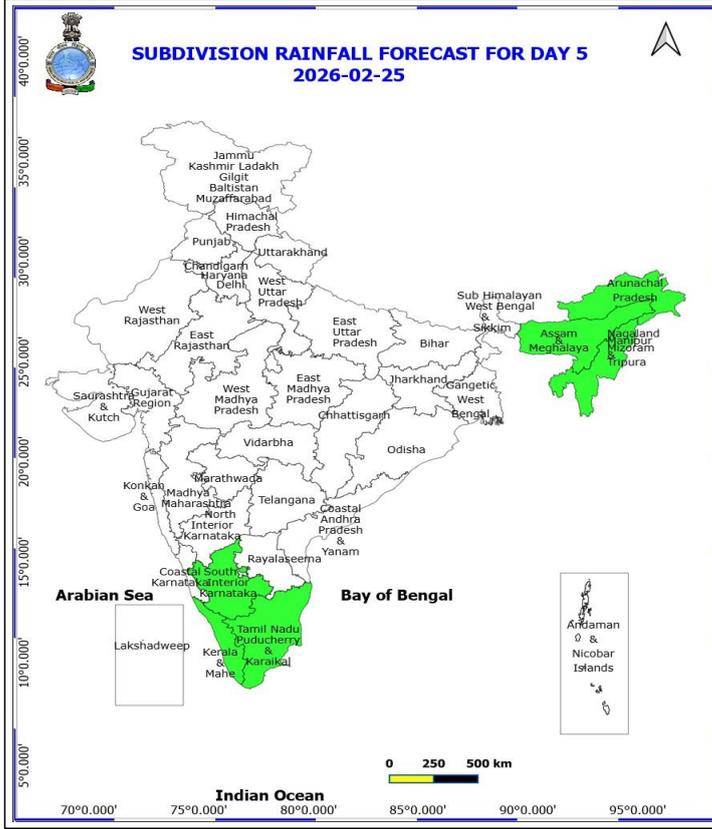


24 February (Day 4)

- ❖ Thunderstorm accompanied with Lightning likely at isolated places over Chhattisgarh, Karnataka and Odisha.
- ❖ Squally weather with wind speed 40 to 50 kmph gusting to 60 kmph likely to prevail along and off east Sri Lanka coast.

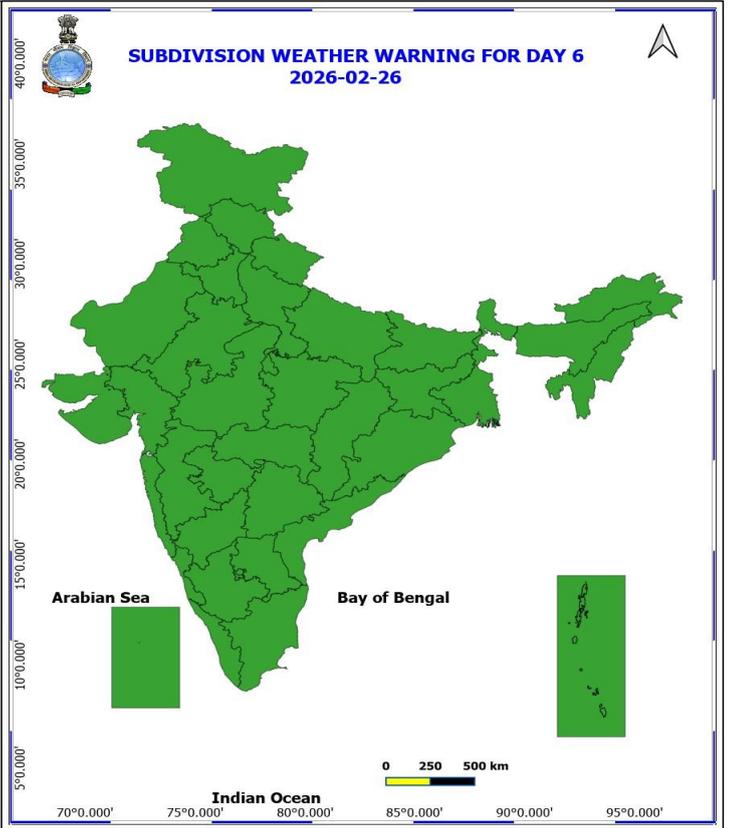
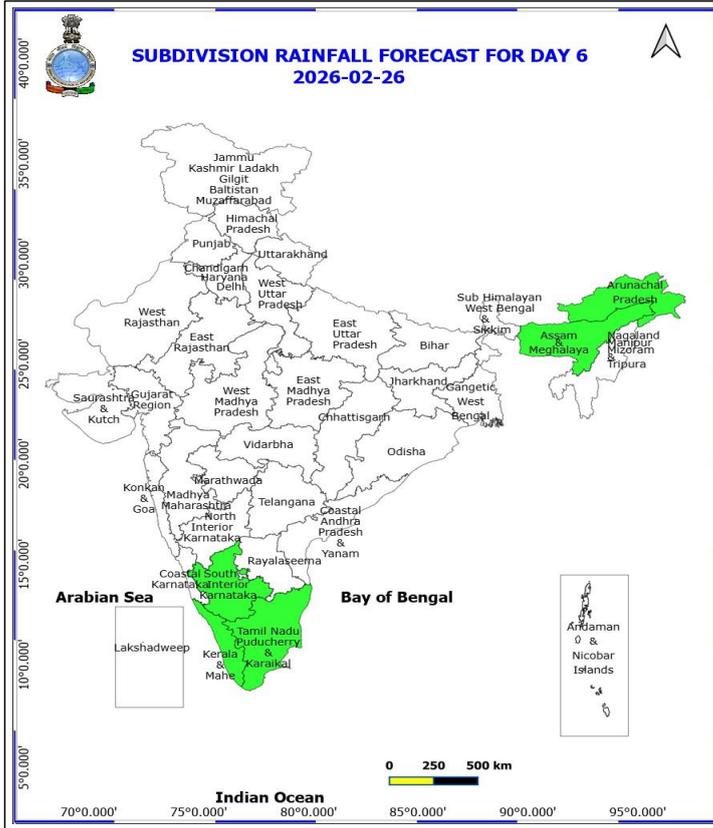
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25 February (Day 5)

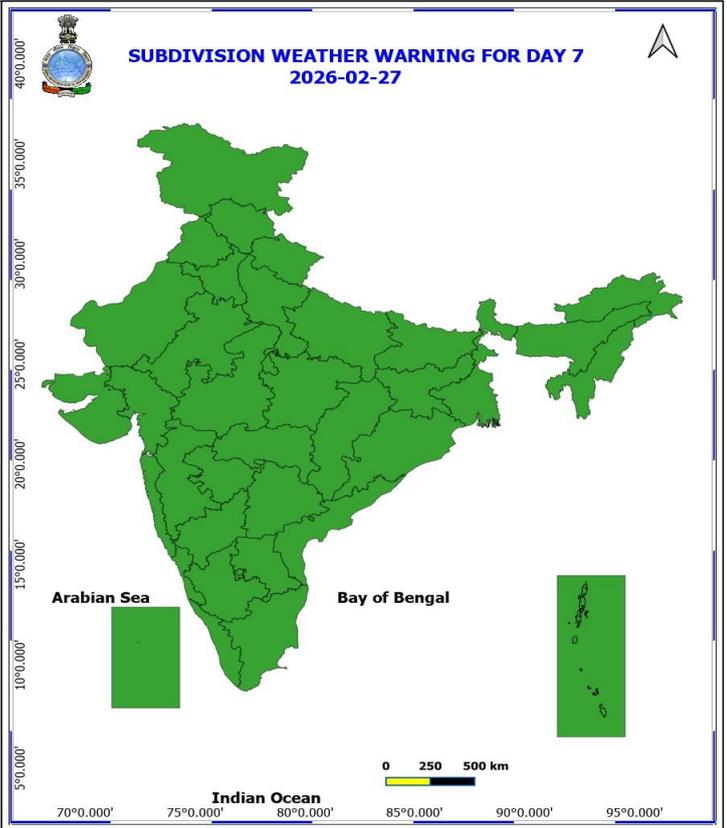
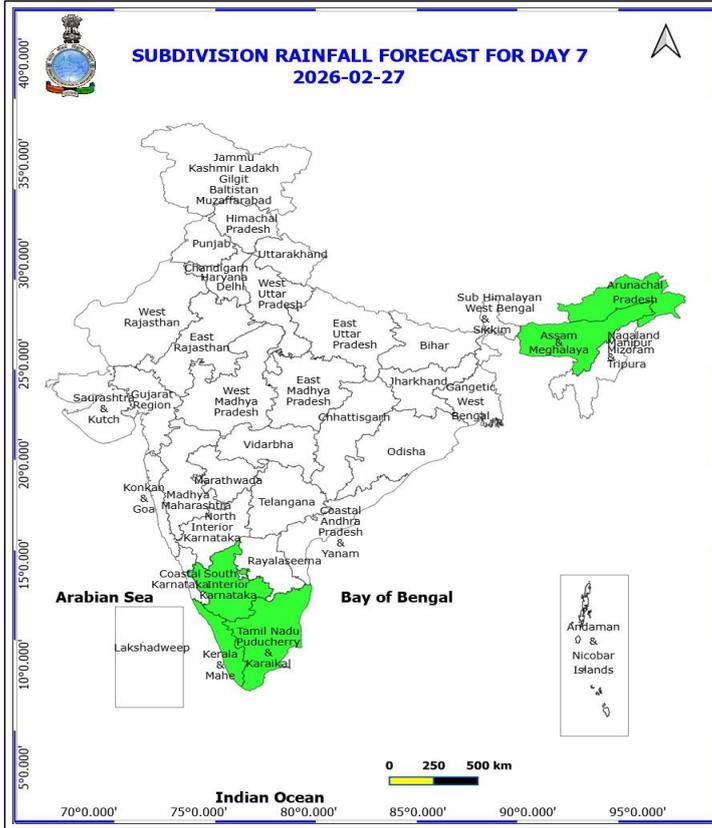
No Warning



26 February (Day 6)

No Warning

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27 February (Day 7)

No Warning



Table-1

7 Days Rainfall Forecast

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

Fig. 2: Departure of Maximum Temp. Dated 2026-02-20

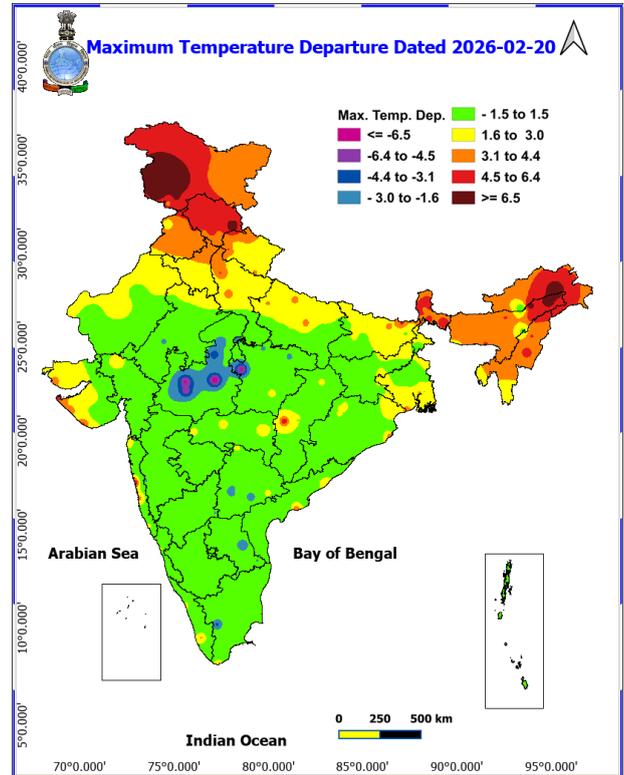
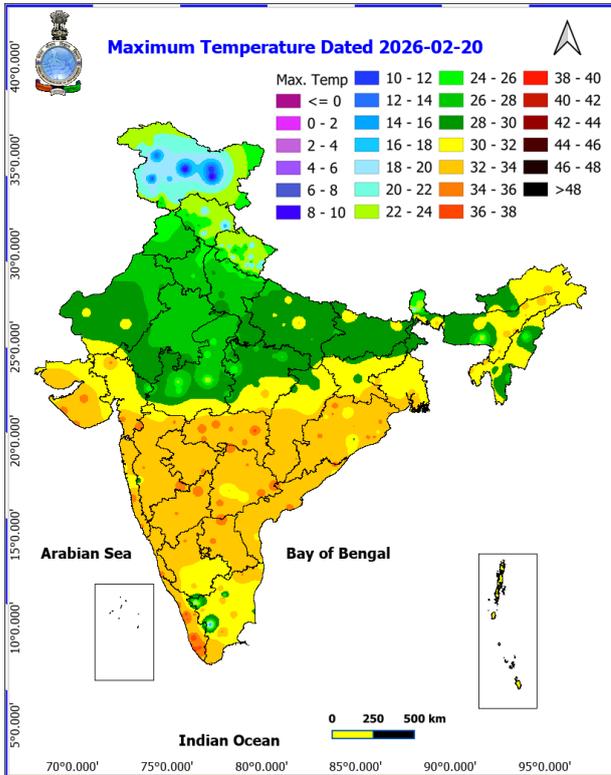
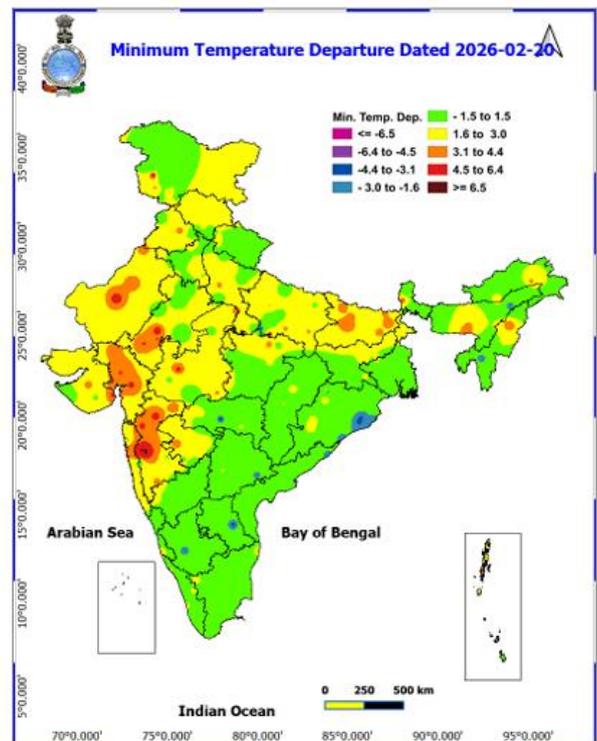
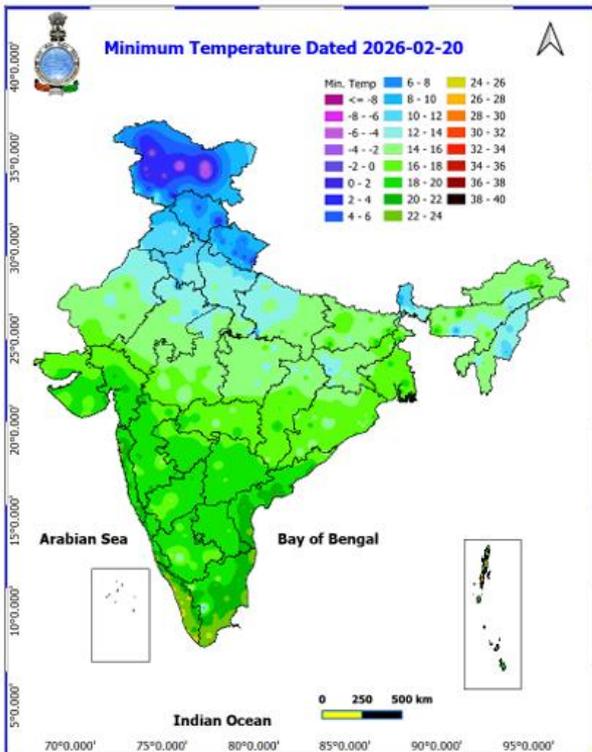


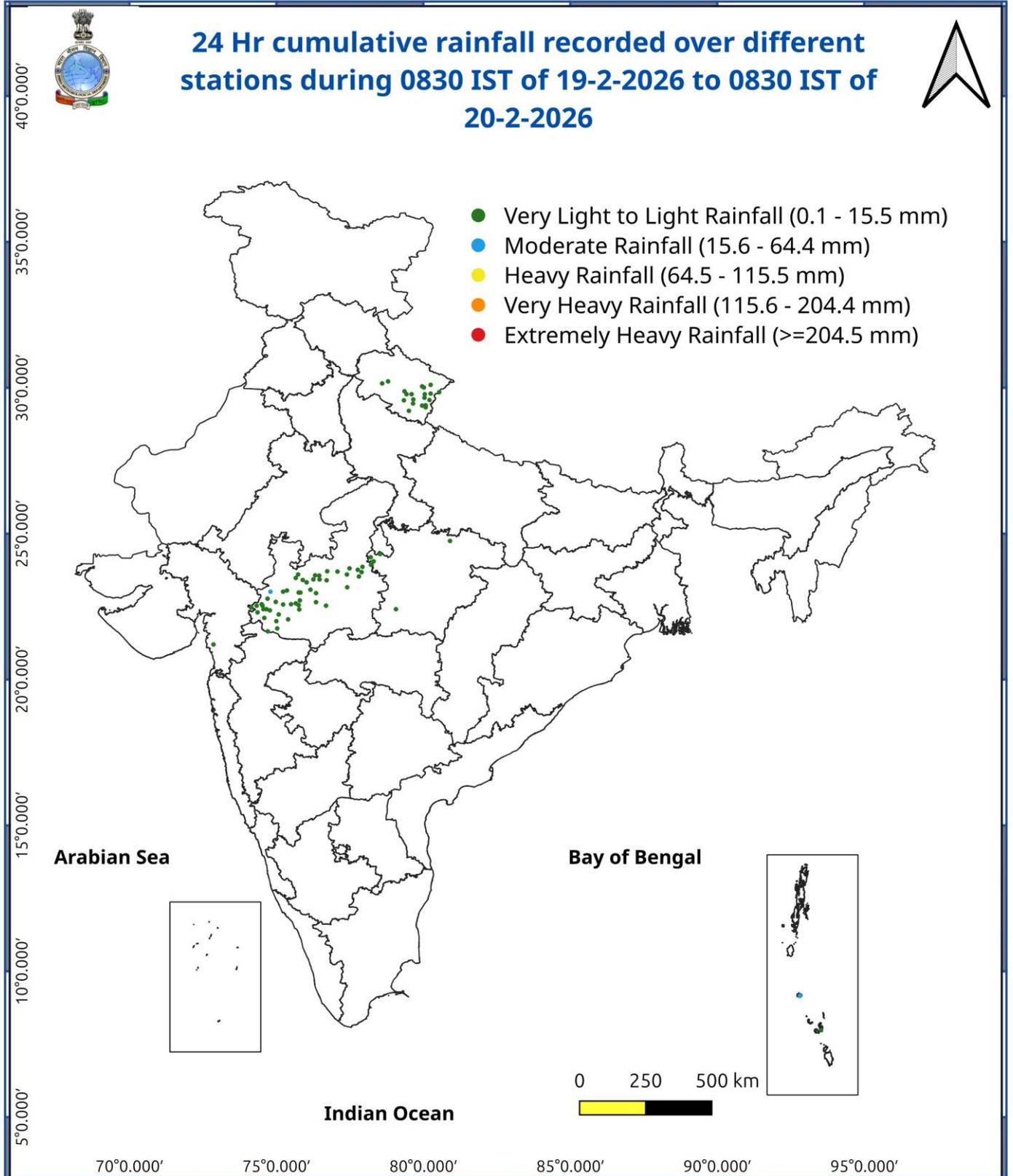
Fig. 3: Minimum Temperatures Dated 2026-02-20

Fig. 4: Departure of Minimum Temp. Dated 2026-02-20



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Agromet advisories for various parts of the country

Agromet advisories for likely impact of Heavy Rainfall

In **Tamilnadu** and **Kerala**, undertake harvesting of matured paddy and shift the harvested produce to safer places. Clean and open drainage channels and strengthen field bunds in paddy and low-lying vegetable fields to avoid water stagnation. Provide staking in banana and support to vegetables in pandals

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 & abbreviations:

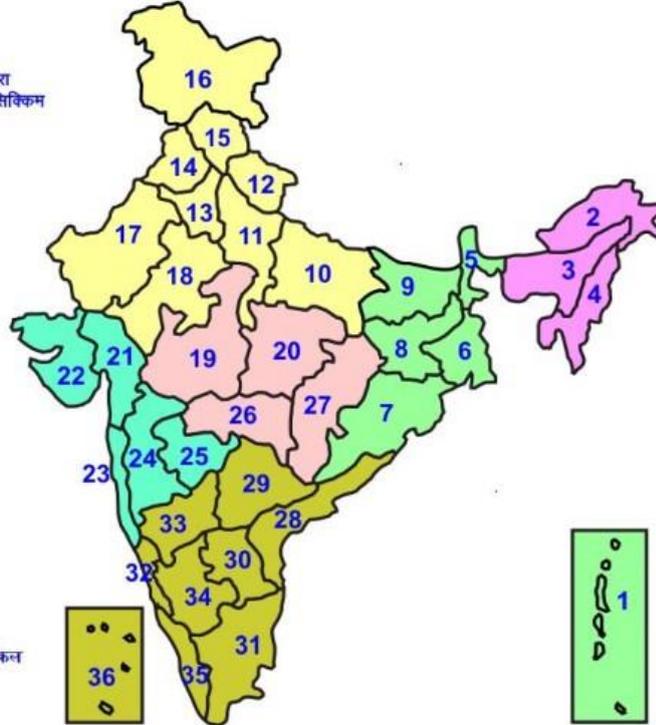
Region wise classification of meteorological Sub-Divisions:

- ♦ **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 मराठावाड़ा
- 26 विदर्भ
- 27 छत्तीसगढ़
- 28 तटीय आंध्र प्रदेश एवं यनम
- 29 तेलंगाना
- 30 रायलसीमा
- 31 तमिलनाडु, पुदुचेरी एवं कराईकल
- 32 तटिय कर्नाटक
- 33 आंतरिक उत्तरी कर्नाटक
- 34 आंतरिक दक्षिणी कर्नाटक
- 35 केरल एवं माहे
- 36 लक्षद्वीप



1. Andaman & Nicobar Islands
2. Arunachal Pradesh
3. Assam & Meghalaya
4. Nagaland, Manipur, Mizoram & Tripura
5. Sub-Himalayan West Bengal & Sikkim
6. Gangetic West Bengal
7. Orissa
8. Jharkhand
9. Bihar
10. East Uttar Pradesh
11. West Uttar Pradesh
12. Uttarakhand
13. Haryana, Chd & Delhi
14. Punjab
15. Himachal Pradesh
16. Jammu & Kashmir and Ladakh
17. West Rajasthan
18. East Rajasthan
19. West Madhya Pradesh
20. East Madhya Pradesh
21. Gujarat
22. Saurashtra
23. Konkan & Goa
24. Madhya Maharashtra
25. 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)