

ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

Significant Weather Features

Weather Systems, Forecast and Warnings

- **Isolated to scattered** light rainfall/snowfall likely over Jammu-Kashmir during 06th -12th; Himachal Pradesh and Uttarakhand during 07th-12th March.
- **Isolated to Scattered** light/moderate rainfall with **thunderstorm, lightning & gusty winds speed reaching (40-50 kmph)** likely over Odisha during 07th-09th; with **gusty winds speed reaching (30-40 kmph)** over Sub-Himalayan West Bengal & Sikkim during 08th-10th; Jharkhand on 08th & 09th; Gangetic West Bengal on 09th & 10th; Bihar during 09th-11th March; with **thunderstorm & lightning** over Jammu-Kashmir on 09th & 10th; Arunachal Pradesh during 08th -12th; Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 09th-12th March.

Heat Wave and Hot & Humid weather Warnings:

- **Heat wave conditions** very likely in isolated pockets over Himachal Pradesh on 06th & 07th; West Rajasthan on 09th & 10th; Saurashtra & Kutch during 06th-10th and Gujarat Region during 08th-10th March.
- **Hot & humid conditions** very likely to prevail in isolated pockets over Odisha on 06th & 07th; Konkan on 06th, 08th & 09th; north coastal Tamil Nadu on 06th; Coastal Andhra Pradesh and coastal areas of Gujarat State on 06th & 07th March.

Forecast of maximum temperatures:

- Gradual fall in maximum temperature by 5-7°C likely over Western Himalayan region during next 7 days. Over the plains of Northwest India, no significant change in maximum temperatures during next 5 days and gradual fall by about 2°C during subsequent 2 days. **Hence, Maximum temperatures are likely to continue to be above normal by 8-10°C over many parts of Western Himalayan Region during next 4 days and decrease thereafter; by 5-7°C over plains of northwest and 4-6°C over adjoining Central India during the week.**
- Gradual rise in maximum temperatures by 2-3°C likely over Central India during next 2 days and no significant change during subsequent 5 days.
- No significant change in maximum temperature likely over Northeast India during next 3 days and gradual fall by 3-5°C during subsequent 4 days.
- Gradual rise in maximum temperatures by 2-3°C likely over Maharashtra and Gujarat State during next 7 days.
- No significant change in maximum temperatures likely over rest parts of the country.

Main Weather Observations:

- ❖ **Rainfall distribution** (from 0830 hours IST of yesterday to 0830 hours IST of today): **Dry** over rest of the country.
- ❖ **Minimum Temperature Departures (as on 06-03-2026): markedly above normal(> 5.1°C)** at many places over Uttarakhand and Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad; at few places over Sub Himalayan West Bengal & Sikkim, West Uttar Pradesh, Himachal Pradesh and West Rajasthan; at isolated places over Bihar, East Uttar Pradesh, Haryana-Chandigarh-Delhi, Punjab, East Rajasthan, Konkan & Goa and Madhya Maharashtra. **appreciably above normal(3.1°C to 5.0°C)** at many places over Bihar and Haryana-Chandigarh-Delhi; at most places over Arunachal Pradesh and Punjab; at few places over Nagaland, Manipur, Mizoram & Tripura, Sub Himalayan West Bengal & Sikkim, East Uttar Pradesh, West Uttar Pradesh, Himachal Pradesh, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad, West Rajasthan and Gujarat Region; at isolated places over Assam & Meghalaya, Odisha, Uttarakhand, East Rajasthan, West Madhya Pradesh, Saurashtra & Kutch, Konkan & Goa, Vidarbha and Chhattisgarh. **above normal(1.6°C to 3.0°C)** at many places over Coastal Karnataka; at few places over Gangetic West Bengal, Odisha, Jharkhand, Madhya Maharashtra, Marathwada and South Interior Karnataka; at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Sub Himalayan West Bengal & Sikkim, East Uttar Pradesh, West Uttar Pradesh, Uttarakhand, Haryana-Chandigarh-Delhi, Himachal Pradesh, West Rajasthan, East Rajasthan, West Madhya Pradesh, East Madhya Pradesh, Gujarat Region, Saurashtra & Kutch, Konkan & Goa, Vidarbha, Chhattisgarh, Coastal Andhra Pradesh & Yanam, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe. **near normal(-1.5°C to 1.5°C)** at many places over Andaman & Nicobar Islands, Marathwada, Vidarbha, Chhattisgarh, Coastal Andhra Pradesh & Yanam and Tamil Nadu, Puducherry & Karaikal; at most places over Kerala & Mahe and Lakshadweep; at few places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gangetic West Bengal, Odisha, Jharkhand, East Rajasthan, West Madhya Pradesh, East Madhya Pradesh, Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra, Telangana, Rayalaseema, Coastal Karnataka and North Interior Karnataka; at isolated places over Sub Himalayan West Bengal & Sikkim, East Uttar Pradesh, West Uttar Pradesh, West Rajasthan, Gujarat Region and South Interior Karnataka. **The lowest minimum temperature** of 11.6°C is reported at MANDI & FATHPUR (HIMACHAL PRADESH & RAJASTHAN) over the Plains of India.
- ❖ **Maximum Temperature Departures (as on 05-03-2026): markedly above normal(> 5.1°C)** at most places over Arunachal Pradesh, Haryana-Chandigarh-Delhi, Punjab, Himachal Pradesh, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad, West Rajasthan and East Rajasthan; at few places over Assam & Meghalaya, Sub Himalayan West Bengal & Sikkim and Uttarakhand; at isolated places over Odisha, West Uttar Pradesh, West Madhya Pradesh, East Madhya Pradesh, Saurashtra & Kutch, Konkan & Goa and Coastal Andhra Pradesh & Yanam. **appreciably above normal(3.1°C to 5.0°C)** at most places over Chhattisgarh; at few places over Gujarat Region and Vidarbha; at isolated places over Nagaland, Manipur, Mizoram & Tripura, Bihar, East Uttar Pradesh, Madhya Maharashtra, Telangana and Tamil Nadu, Puducherry & Karaikal. **above normal(1.6°C to 3.0°C)** at many places over Marathwada and Rayalaseema; at few places over Gangetic West Bengal; at isolated places over North Interior Karnataka. **near normal(-1.5°C to 1.5°C)** at many places over Jharkhand; at most places over Andaman & Nicobar Islands, Coastal Karnataka, South Interior Karnataka, Kerala & Mahe and Lakshadweep. **The highest maximum temperature** of 39.6°C is reported at JHARSUGUDA (ORISSA).

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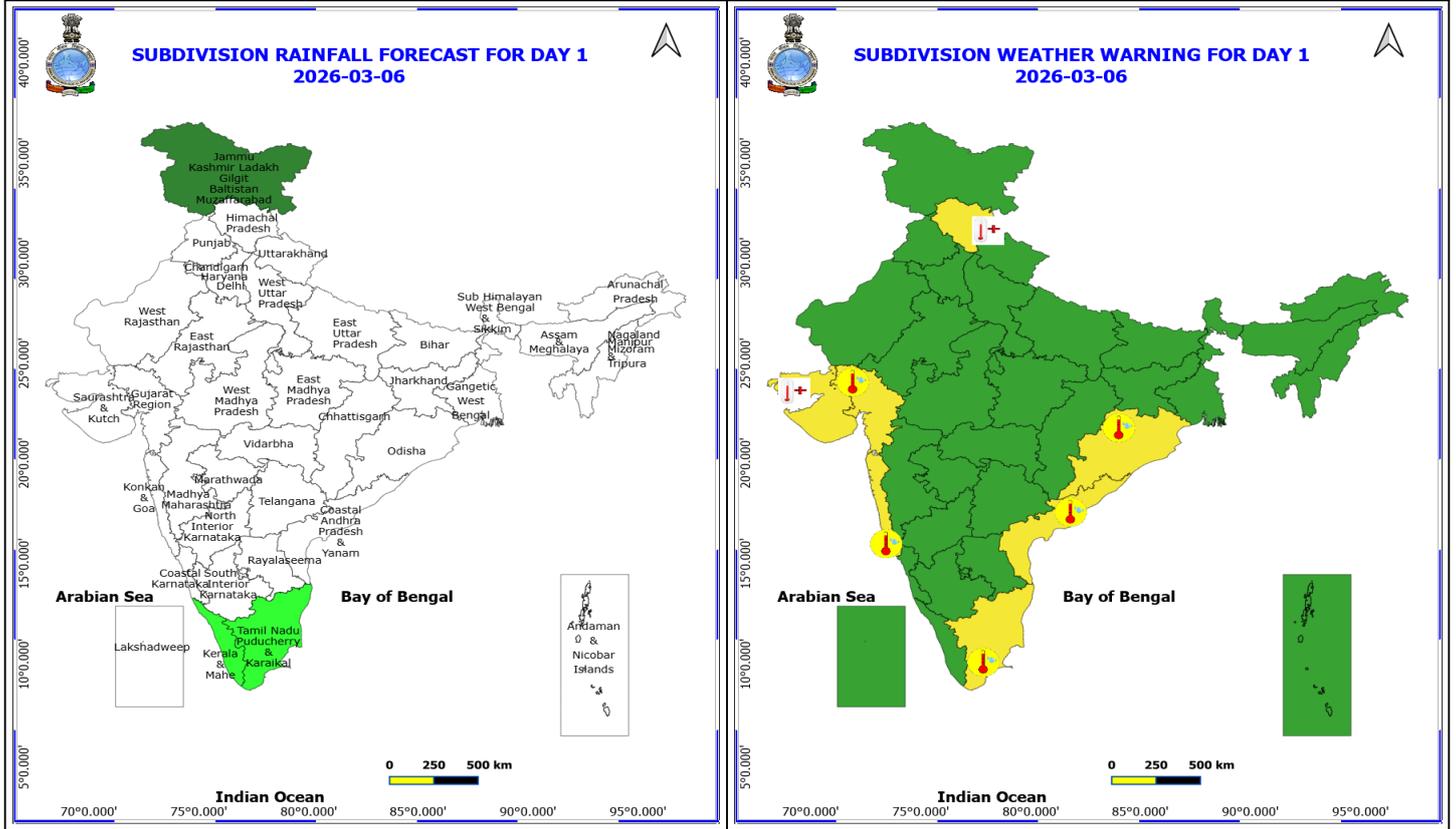
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Meteorological Analysis (Based on 0830 hours IST)

- The **upper air cyclonic circulation** over north Odisha & neighbourhood now lies over northwest Odisha & neighbourhood at 0.9 km above mean sea level.
- The **trough** now runs from the cyclonic circulation over northwest Odisha & neighbourhood to northwest Uttar Pradesh across north Chhattisgarh, and northeast Madhya Pradesh at 0.9 km above mean sea level.
- The **upper air cyclonic circulation** over Northeast Bangladesh & neighbourhood now lies over Bangladesh & neighbourhood at 3.1 km above mean sea level.
- **Subtropical westerly Jet Stream** with core winds of the order of 115 knots at 12.6 km above mean sea level continues to prevail over Northwest India.
- The Western Disturbance now seen as an **upper air cyclonic circulation** over Jammu and adjoining Pakistan at 3.1 km above mean sea level with the trough aloft in middle level tropospheric westerlies with its axis at 5.8 km above mean sea level runs roughly along Long. 70°E to the north of Lat. 32°N.
- **Another Western Disturbance** as a trough in middle level tropospheric westerlies with its axis at 5.8 km above mean sea level roughly along Long. 53°E to the north of Lat. 33°N persists.
- The **upper air cyclonic circulation** over westcentral Bay of Bengal off north Andhra Pradesh coast at 0.9 km above mean sea level persists.
- An **upper air cyclonic circulation** over Comorin area & neighbourhood now lies over Gulf of Mannar and neighbourhood at 0.9 km above mean sea level.
- An **upper air cyclonic circulation** lies over northeast Assam & neighbourhood at 1.5 km above mean sea level.
- A fresh **Western Disturbance** is likely to affect Western Himalayan region from 09th March, 2026.

Weather Outlook for subsequent 3 days

- Isolated to Scattered rainfall activity likely over Western Himalayan region, Kerala & Mahe and Sub-Himalayan West Bengal & Sikkim.
- Scattered to fairly widespread rainfall activity likely over Northeast India.

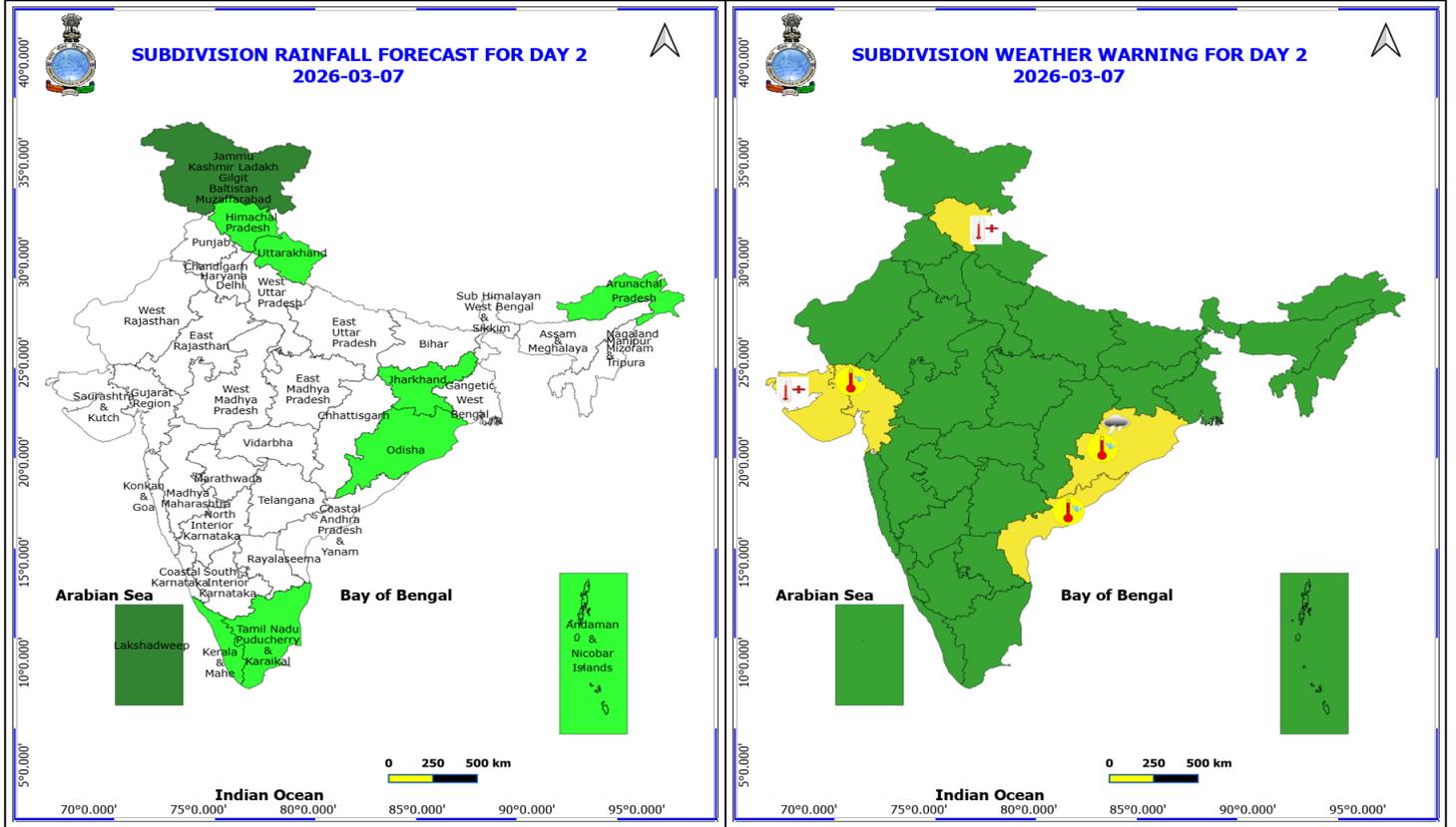


6 March (Day 1)

- ❖ **Heat Wave conditions** very likely at isolated places over Himachal Pradesh and Saurashtra & Kutch.
- ❖ **Hot and Humid weather** very likely at isolated places over Coastal Andhra Pradesh, Gujarat Region, Konkan & Goa, Odisha and Tamil Nadu Puducherry & Karaikal.

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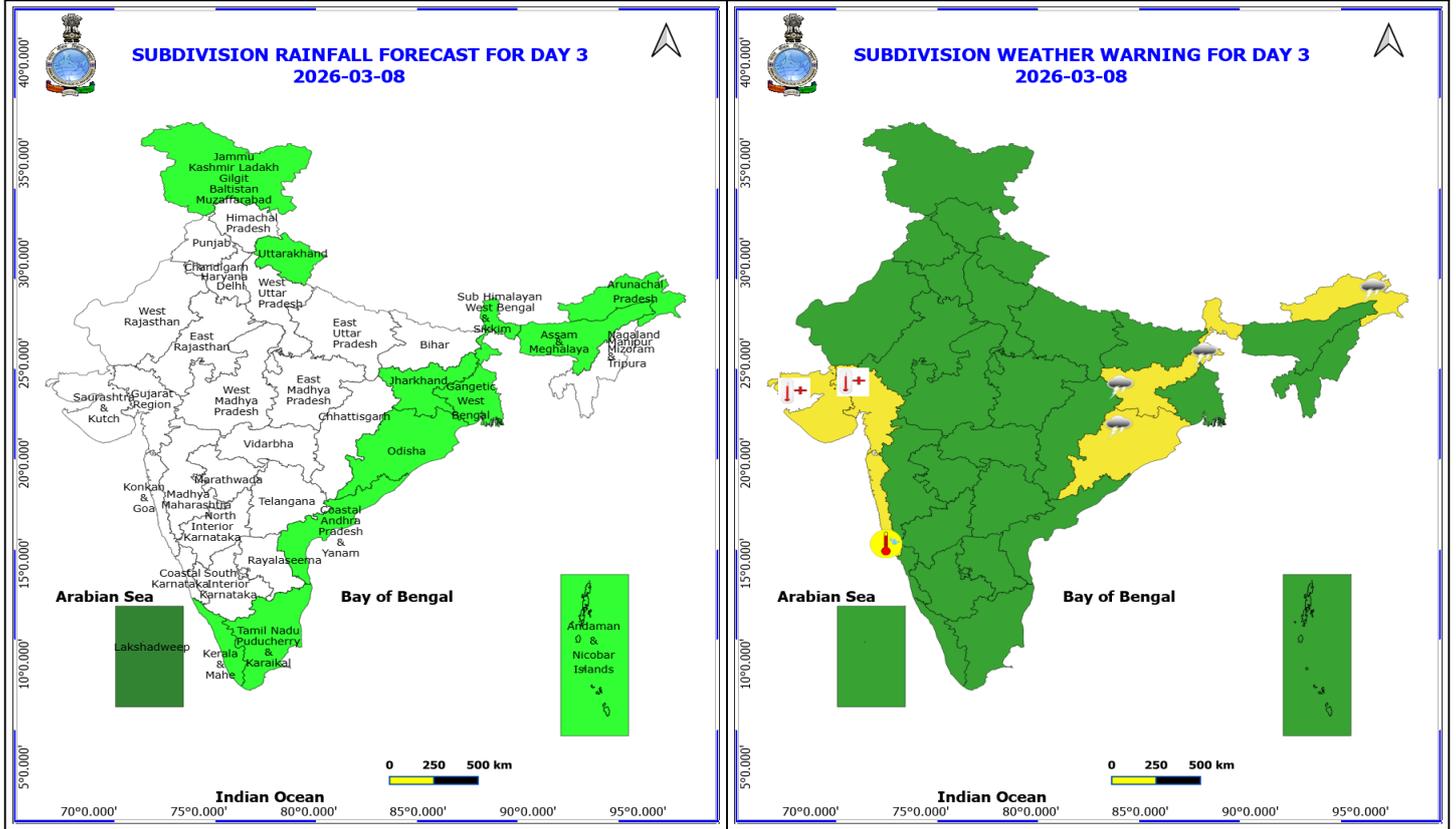
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7 March (Day 2)

- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Odisha.
 - ❖ **Heat Wave conditions** very likely at isolated places over Himachal Pradesh and Saurashtra & Kutch.
 - ❖ **Hot and Humid weather** very likely at isolated places over Coastal Andhra Pradesh and Gujarat Region.
- No Fishermen Warning**

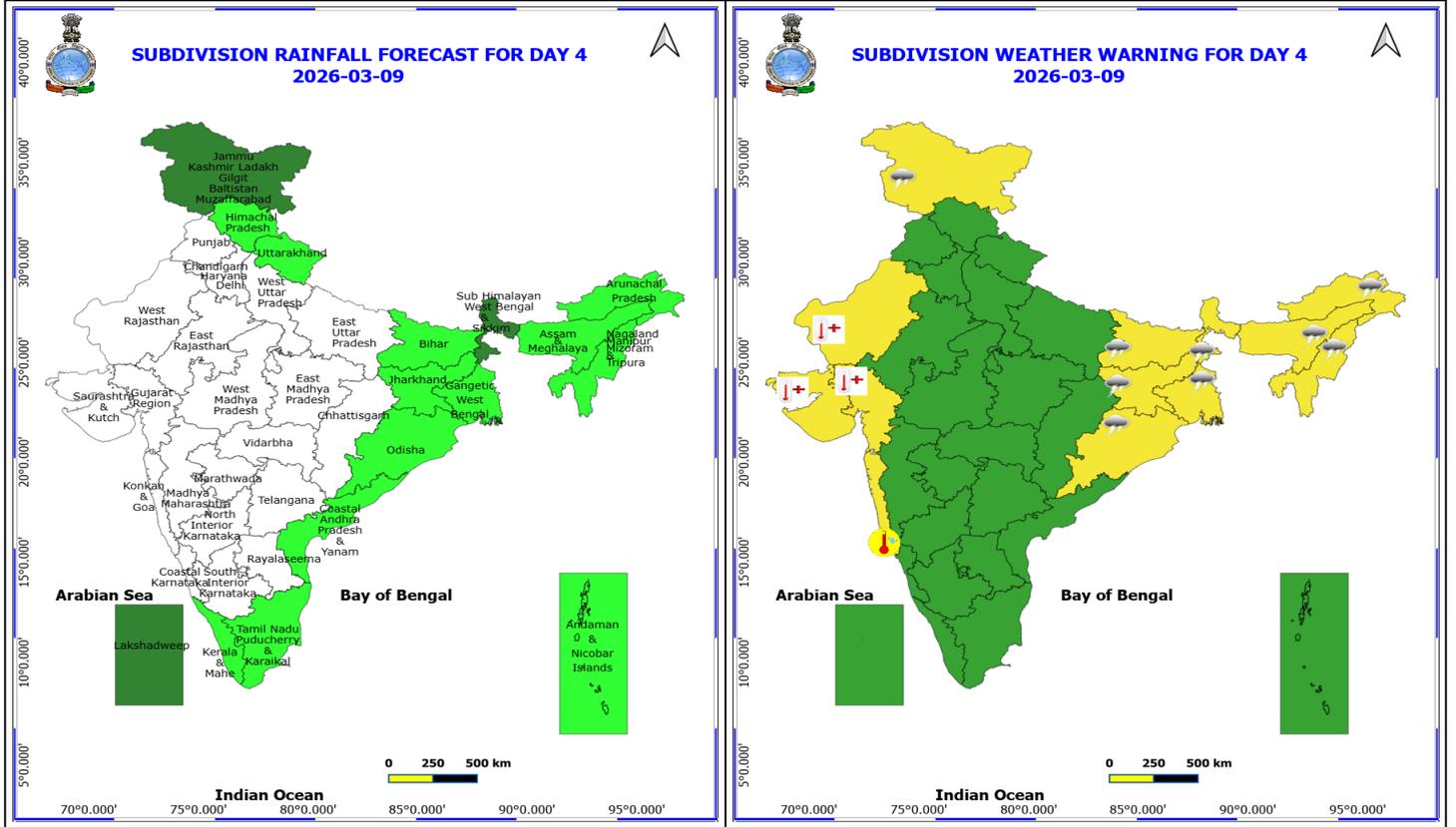
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8 March (Day 3)

- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Odisha.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Jharkhand and Sub Himalayan West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Arunachal Pradesh.
- ❖ **Heat Wave conditions** very likely at isolated places over Gujarat State.
- ❖ **Hot and Humid weather** very likely at isolated places over Konkan & Goa and Odisha.

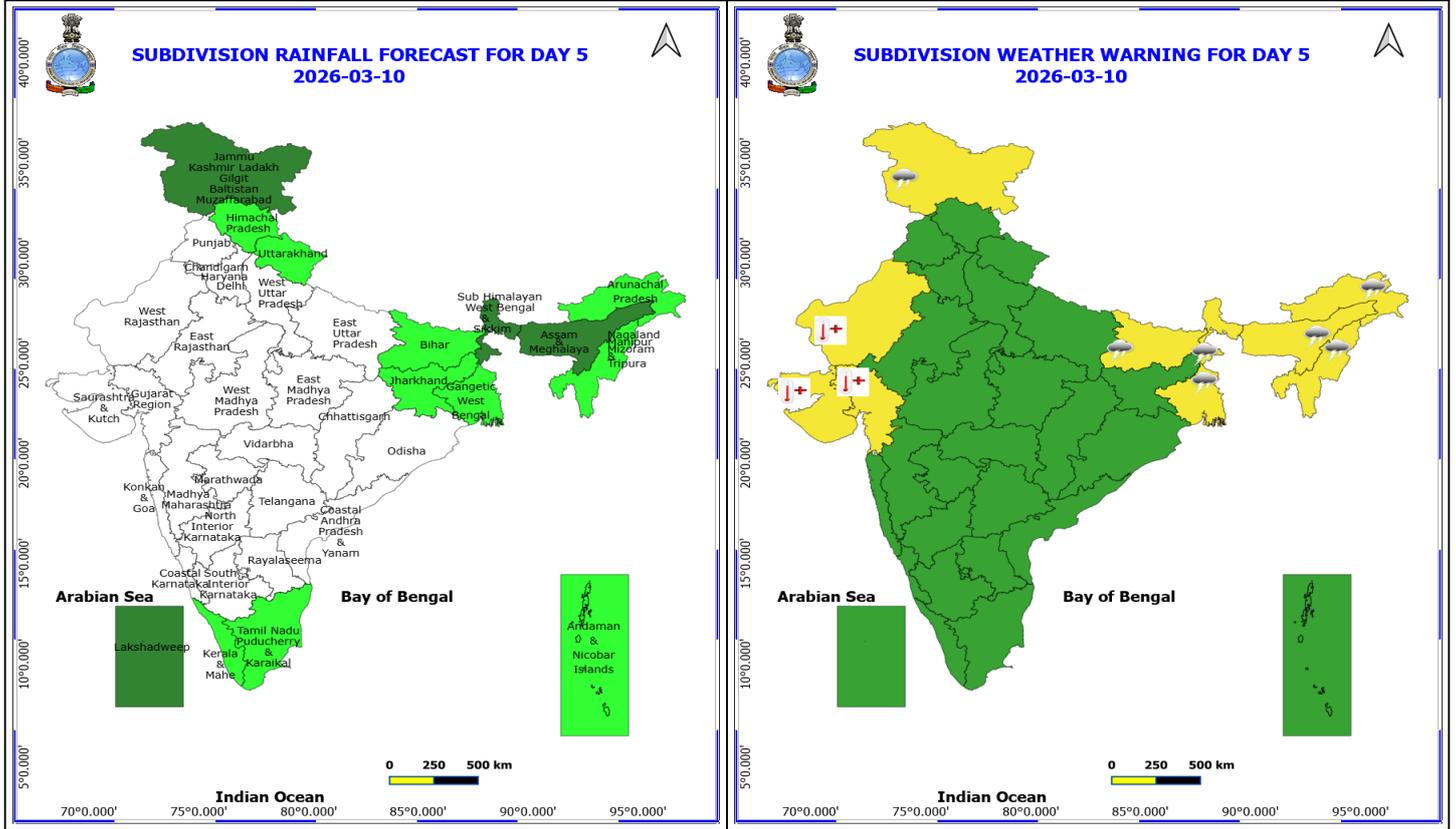
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9 March (Day 4)

- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Odisha.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Bihar, Jharkhand and West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and Nagaland, Manipur, Mizoram and Tripura.
- ❖ **Heat Wave conditions** likely at isolated places over Gujarat State and West Rajasthan.
- ❖ **Hot and Humid weather** likely at isolated places over Konkan & Goa.

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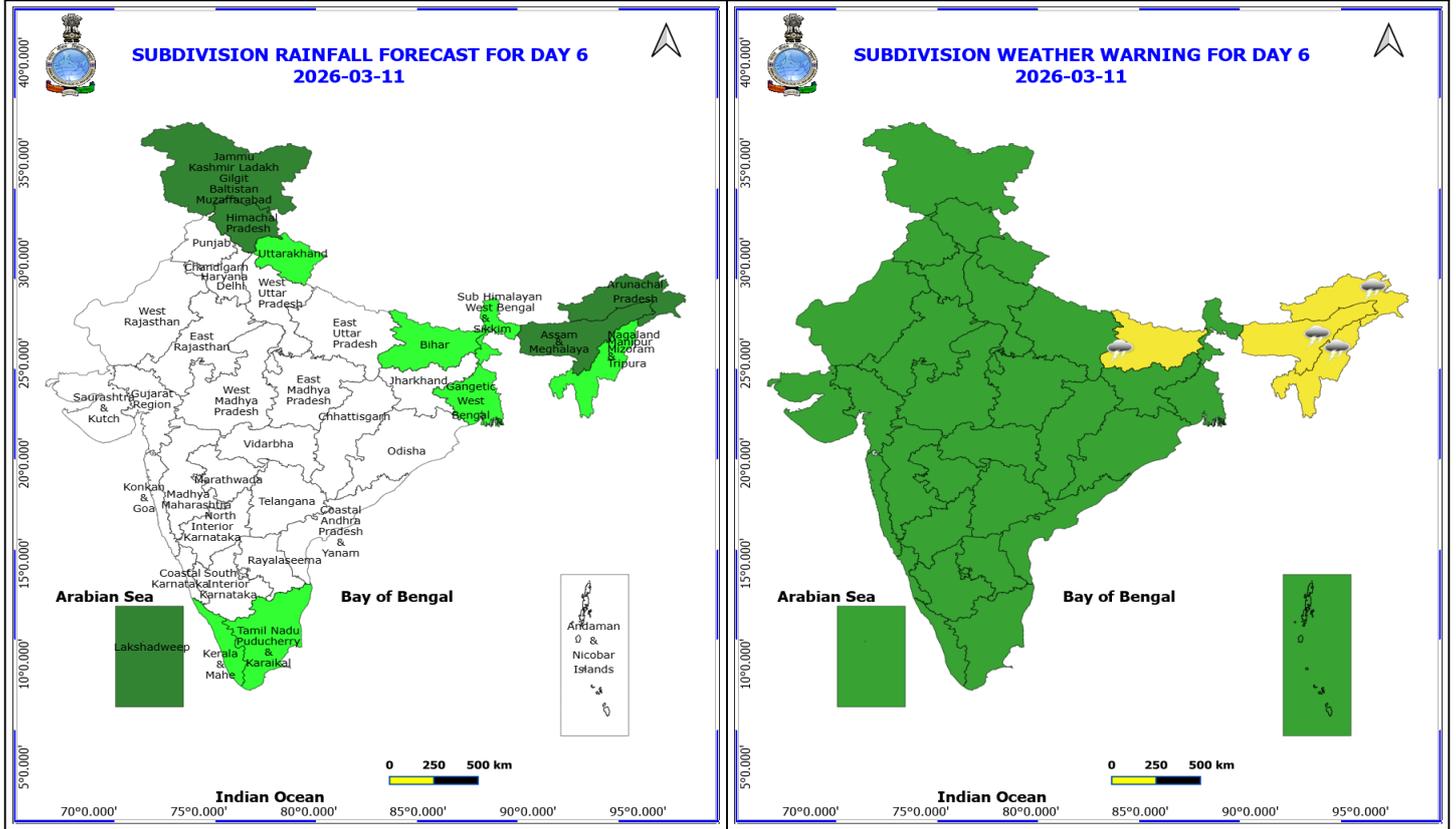
10 March (Day 5)

- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Bihar and West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and Nagaland, Manipur, Mizoram and Tripura.
- ❖ **Heat Wave conditions** likely at isolated places over Gujarat State and West Rajasthan.

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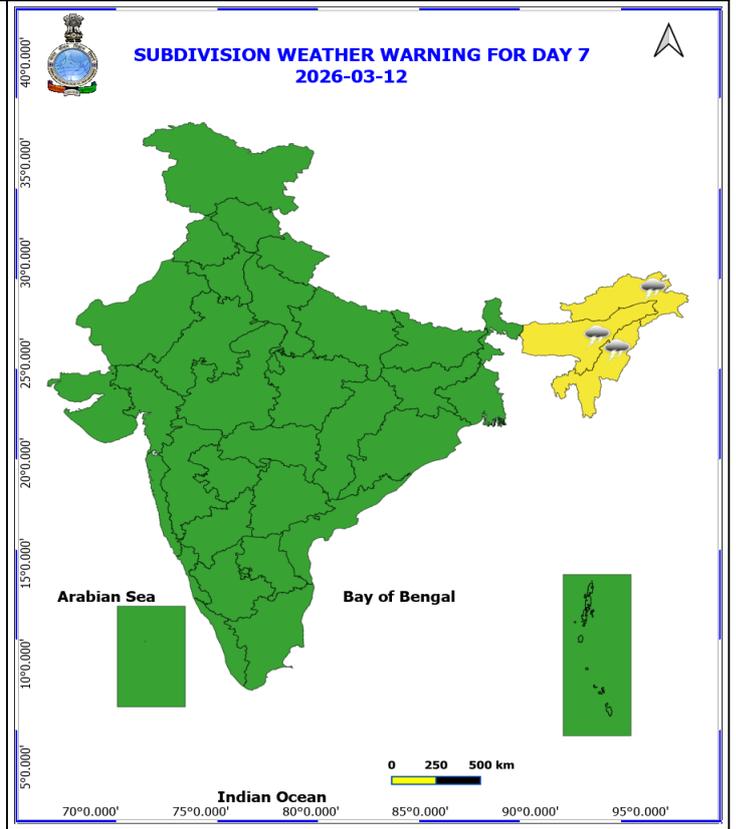
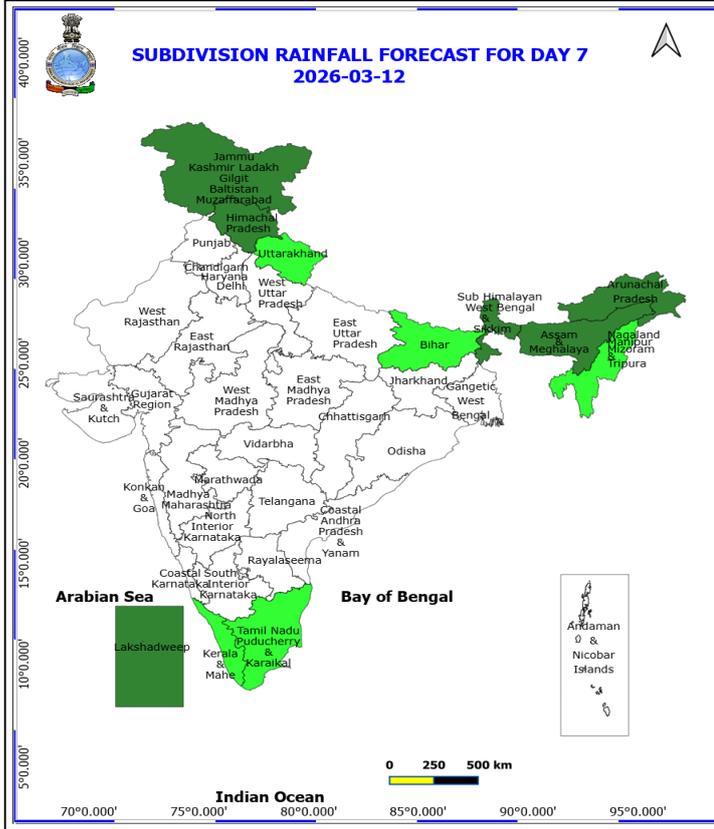
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11 March (Day 6)

- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Bihar.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram and Tripura.

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12 March (Day 7)

❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram and Tripura.

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Table-1

7 Days Rainfall Forecast

S.No.	Subdivision	6- Mar	7- Mar	8- Mar	9- Mar	10- Mar	11- Mar	12- Mar
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	DRY	ISOL	ISOL	ISOL	ISOL	DRY	DRY
2	ARUNACHAL PRADESH	DRY	ISOL	ISOL	ISOL	ISOL	SCT	SCT
3	ASSAM & MEHGHALAYA	DRY	DRY	ISOL	ISOL	SCT	SCT	SCT
4	N. M. M. & T.	DRY	DRY	DRY	ISOL	ISOL	ISOL	ISOL
5	S.H. WEST BENGAL & SIKKIM	DRY	DRY	ISOL	SCT	SCT	ISOL	SCT
6	GANGETIC WEST BENGAL	DRY	DRY	ISOL	ISOL	ISOL	ISOL	DRY
7	ODISHA	DRY	ISOL	ISOL	ISOL	DRY	DRY	DRY
8	JHARKHAND	DRY	ISOL	ISOL	ISOL	ISOL	DRY	DRY
9	BIHAR	DRY	DRY	DRY	ISOL	ISOL	ISOL	ISOL
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	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
13	HARYANA, CHD & DELHI	DRY	DRY	DRY	DRY	DRY	DRY	DRY
14	PUNJAB	DRY	DRY	DRY	DRY	DRY	DRY	DRY
15	HIMACHAL PRADESH	DRY	ISOL	DRY	ISOL	ISOL	SCT	SCT
16	JAMMU AND KASHMIR AND LADAKH	SCT	SCT	ISOL	SCT	SCT	SCT	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	ISOL	ISOL	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	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
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	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
36	LAKSHDWEEP	DRY	SCT	SCT	SCT	SCT	SCT	SCT

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 2026-03-05

Fig. 2: Departure of Maximum Temp. Dated 2026-03-05

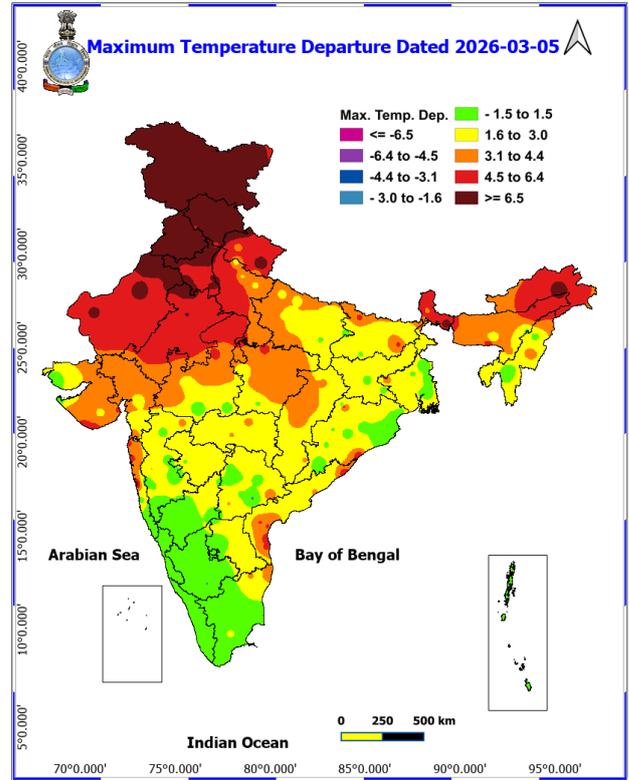
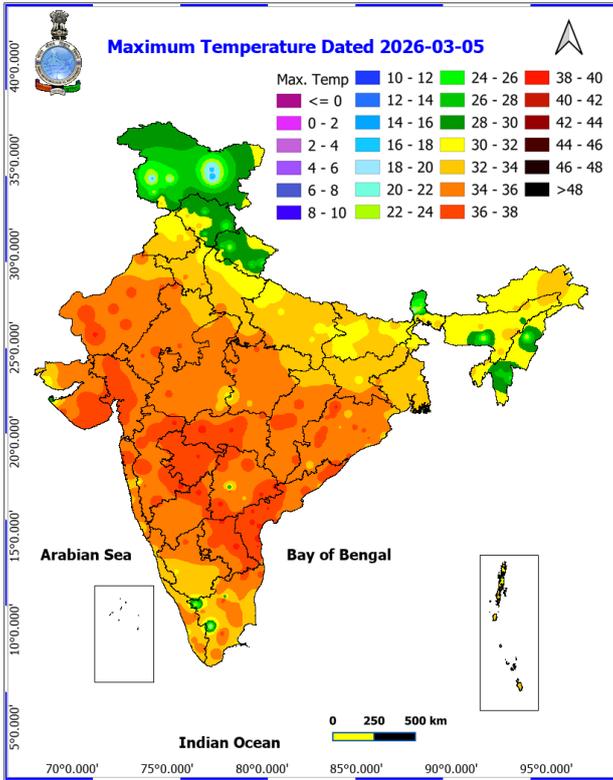
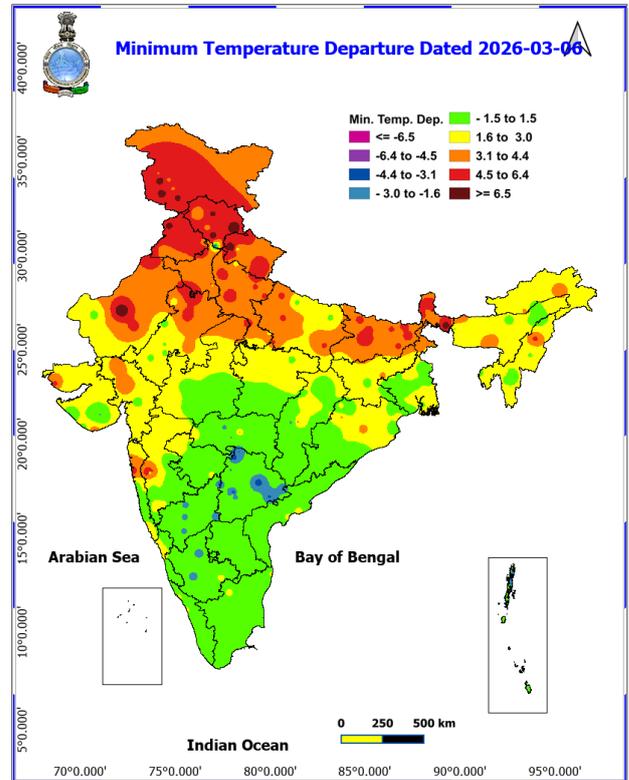
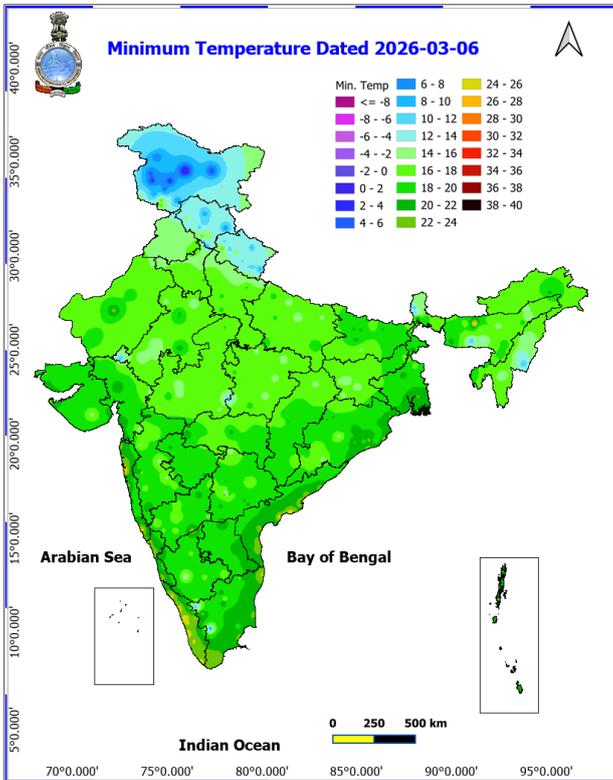


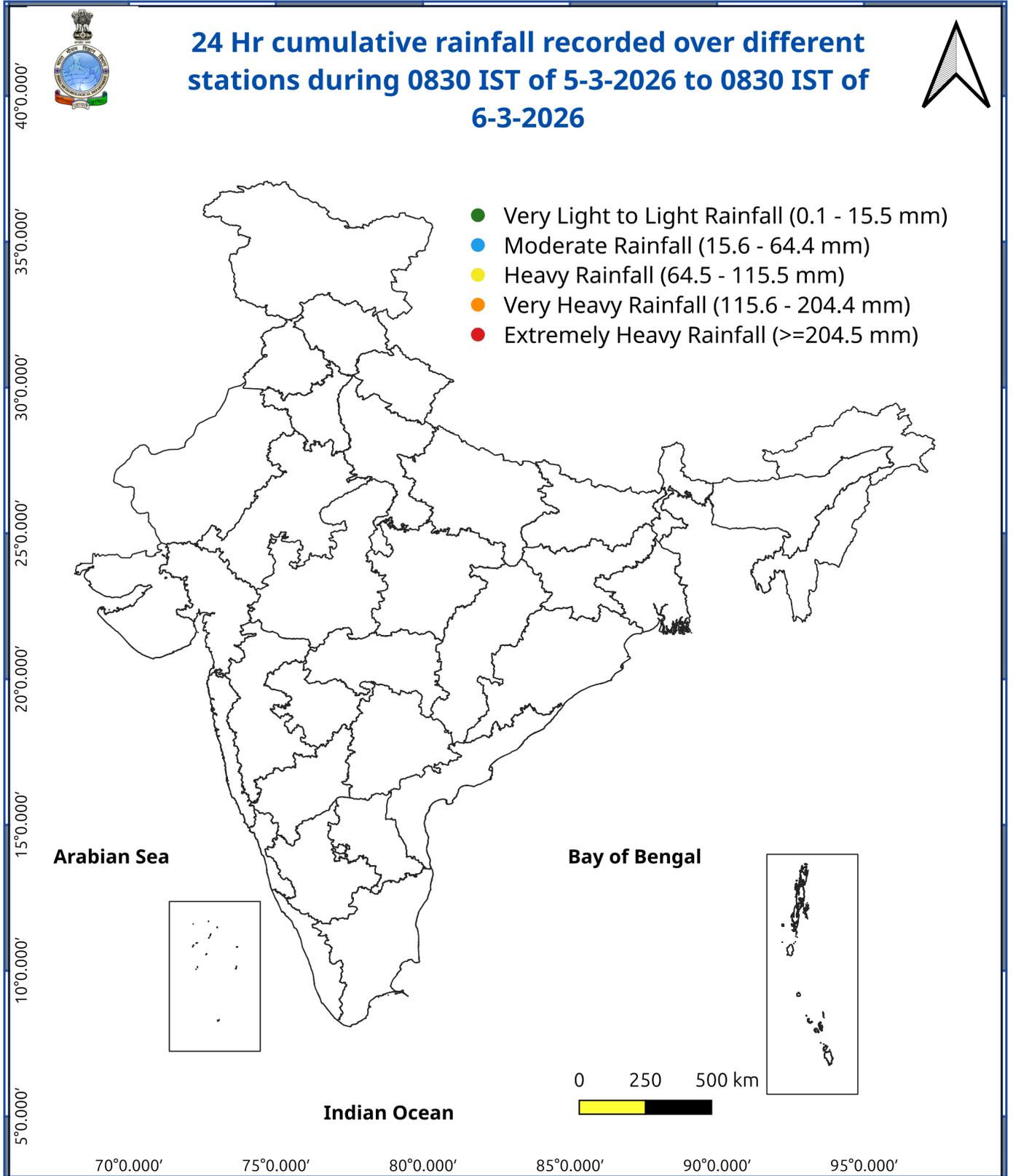
Fig. 3: Minimum Temperatures Dated 2026-03-06

Fig. 4: Departure of Minimum Temp. Dated 2026-03-06



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Agromet advisories for various parts of the country

Agromet advisories for likely impact of Above normal Temperatures

- In **Jammu and Kashmir**, apply light irrigation to wheat, mustard and vegetables.
- In **Himachal Pradesh**, provide protective irrigation to wheat and early vegetables. Maintain ventilation in polyhouses for capsicum and tomato.
- In **Punjab**, maintain optimum soil moisture through irrigation in mustard, gobhi sarson and potato.
- In **Haryana**, provide light irrigation to mustard and gram at flowering and pod formation stages.
- In **Uttarakhand**, provide light and frequent irrigation in wheat, lentil, chickpea and mustard during critical growth stages (flowering and grain filling in wheat, pod formation in mustard and gram etc.).
- In **Western Uttar Pradesh**, provide light and frequent irrigation in wheat, mustard and chickpea, potato and early planted sugarcane.
- In **Rajasthan**, provide protective irrigation in cumin, isabgol, mustard and gram.
- In **Uttar Pradesh**, provide light irrigation in wheat (grain filling stage), mustard and gram crops during morning or evening hours to reduce adverse impacts of heat and prevention of forced maturity.
- Take appropriate action for conservation of soil moisture through mulching, proper field bunding, and avoiding unnecessary intercultivation.

Livestock / Poultry

Provide clean, hygienic and plenty of drinking water to animals.

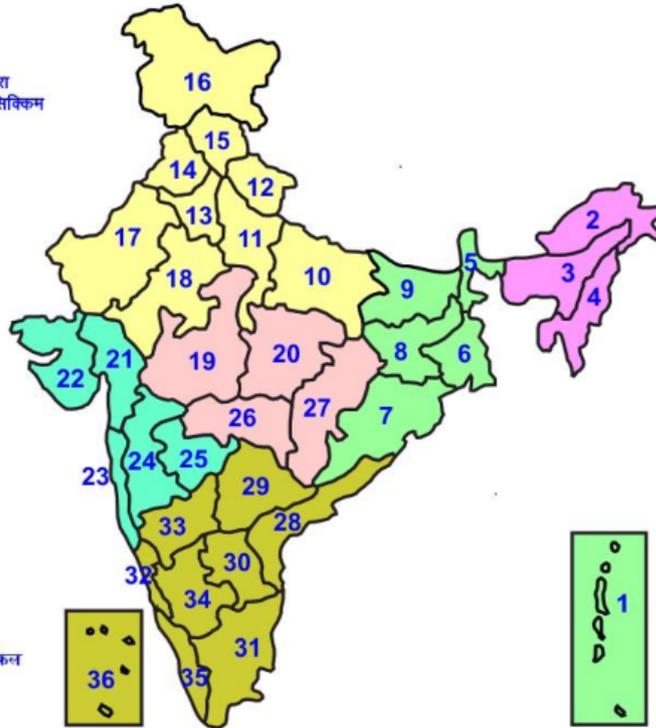
To reduce the effect of heat wave/high temperature, cover the roof of poultry sheds with grass.

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 समुह
- 2 अरुणाचल प्रदेश
- 3 असम और मेघालय
- 4 नागालैंड मनीपुर मीजोरम और त्रिपुरा
- 5 उप हिमालय पश्चिम बंगाल एवं सिक्किम
- 6 पश्चिम 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 क्षेत्र
- 22 सौराष्ट्र एवं कच्छ
- 23 कोंकण एवं गोवा
- 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 | Very Heavy Rain | Extremely Heavy Rain | Heavy Snow |
| Thunderstorm & Lightning | Hailstorm | Dust Storm | Dust Raising Winds |
| Strong surface winds | Heat Wave | Hot Day | Warm Night |
| Cold Wave | Cold Day | Ground Frost | Fog |
| Hot & Humid | | | |

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

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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)

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