2026-11-07
Time of Issue: 08:00:00 hours IST
(Morning)

ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

Significant Weather Features

Weather Systems, Forecast and Warnings

South Peninsular India:

- **Fairly Widespread to Widespread** rainfall likely over Keralam & Mahe, Lakshadweep and Tamil Nadu, Puducherry & Karaikal on 7th-8th November.
- **Isolated to Scattered** rainfall likely over Keralam & Mahe, Lakshadweep and Tamil Nadu, Puducherry & Karaikal during 9th-12th November; Coastal Karnataka during 7th-8th November; South Interior Karnataka during 7th-10th November; Coastal Andhra Pradesh & Yanam and Rayalaseema during 7th-12th November; Telangana on 7th November.
- Isolated **thunderstorm, lightning & gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Tamil Nadu, Puducherry & Karaikal during 7th-10th November; Keralam & Mahe and Lakshadweep during 7th-8th November; Coastal Andhra Pradesh & Yanam during 7th-9th November.
- Isolated **thunderstorm & lightning** likely over Keralam & Mahe during 9th-10th November.
- Isolated **heavy rainfall** likely over Tamil Nadu, Puducherry & Karaikal during 7th-10th November; Keralam & Mahe during 7th-8th November.
- Strong Surface Winds likely over Coastal Andhra Pradesh & Yanam during 7th-9th November.

Northwest India:

- **Isolated to Scattered** rainfall likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 10th November; Himachal Pradesh during 10th-12th November; Uttarakhand during 8th-9th November.
- **Isolated to Scattered** rainfall likely over Haryana Chandigarh & Delhi and Punjab during 11th-12th November.
- **Fairly Widespread to Widespread** rainfall likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 11th-12th November.
- Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 10th-12th November.
- Isolated **thunderstorm & lightning** likely over Himachal Pradesh on 12th November.
- Isolated **heavy rainfall** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 12th November.

East India:

- **Isolated to Scattered** rainfall likely over Andaman & Nicobar Islands on 7th November; Jharkhand and Sub-Himalayan West Bengal & Sikkim during 9th-11th November; Gangetic West Bengal during 9th-12th November; Bihar on 10th November; Odisha on 7th November and during 10th-11th November.
- **Fairly Widespread to Widespread** rainfall likely over Andaman & Nicobar Islands during 8th-12th November.
- Isolated **thunderstorm & lightning** likely over Andaman & Nicobar Islands during 9th-12th November; Gangetic West Bengal and Sub-Himalayan West Bengal & Sikkim on 10th November.
- Isolated **heavy rainfall** likely over Andaman & Nicobar Islands during 9th-11th November.

Northeast India:

- **Isolated to Scattered** rainfall likely over Arunachal Pradesh during 9th-12th November; Assam & Meghalaya during 8th-12th November; Nagaland, Manipur, Mizoram & Tripura during 7th-12th November.
- Isolated **heavy rainfall** likely over Arunachal Pradesh and Assam & Meghalaya during 10th-11th November; Nagaland, Manipur, Mizoram & Tripura during 9th-11th November.

West & Central India:

- **No significant weather likely over West & Central India during the week**.

Main Weather Observations:

❖ **Rainfall distribution** (from 0830 hours IST of yesterday to 0530 hours IST of today): **at most places** over Tamilnadu Puducherry & Karaikal, Kerala & Mahe, Andaman & Nicobar Islands, Coastal Karnataka, South Interior Karnataka and Lakshadweep ; **at many places** over Coastal Andhra Pradesh & Yanam and Rayalaseema; **Dry** over rest of the country.

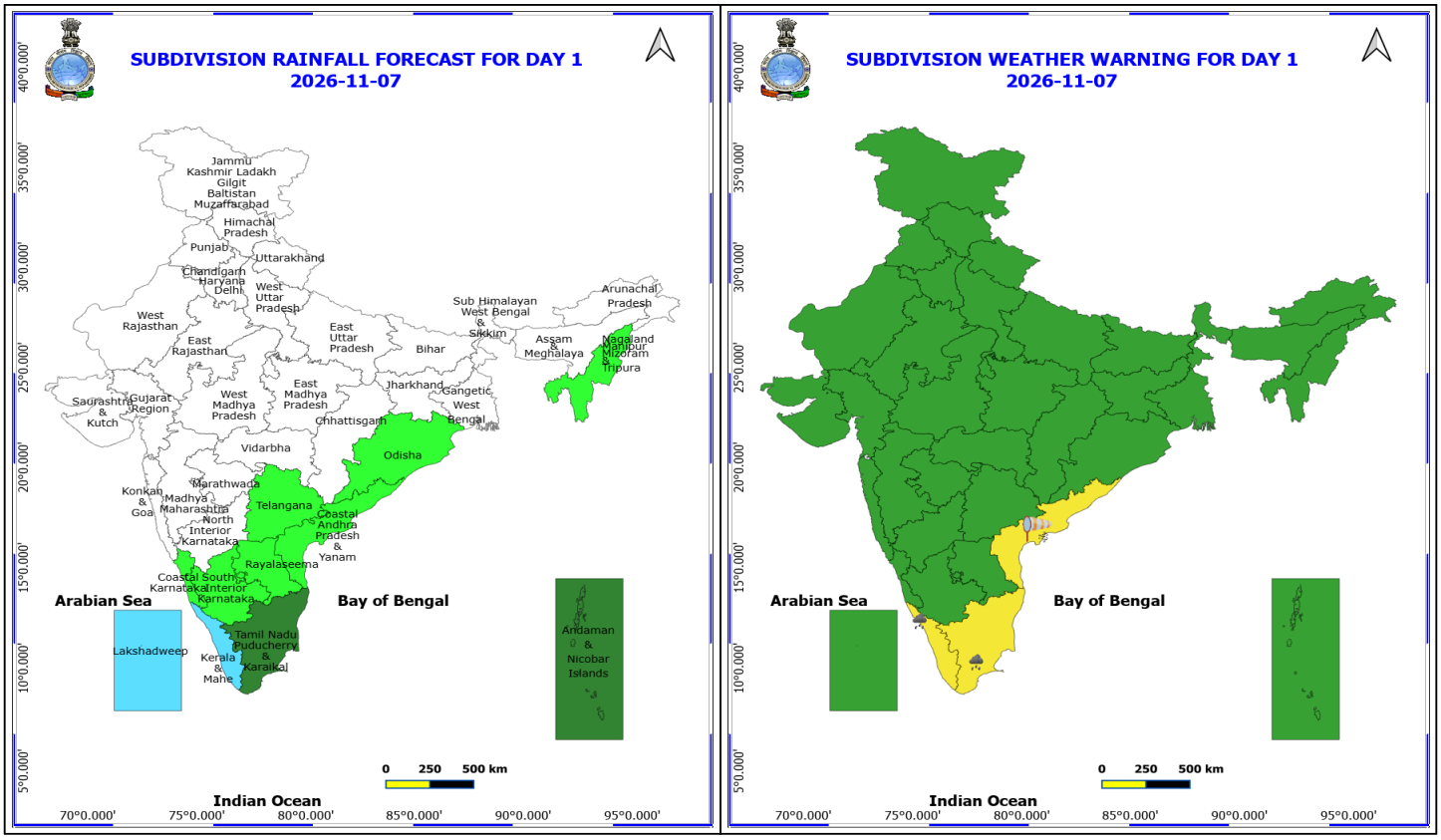
❖ **Significant rainfall recorded(in cm)** (from 0830 hours IST of yesterday to 0530 hours IST of today): **Tamilnadu Puducherry & Karaikal**: Tondi (dist Ramanathapuram) 3; **Kerala & Mahe**: Thiruvananthapuram-city (dist Thiruvananthapuram) 3.

❖ **Minimum Temperature Departures (as on 06-11-2026): below normal(-1.6°C to -3.0°C)** at isolated places over Gangetic West Bengal, Odisha, Jharkhand, Bihar, East Uttar Pradesh, Himachal Pradesh, West Madhya Pradesh, Gujarat Region, Saurashtra & Kutch, Vidarbha, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema and Tamil Nadu, Puducherry & Karaikal. **appreciably below normal(-5.0°C to -3.1°C)** at few places over West Madhya Pradesh and East Madhya Pradesh; at isolated places over Gangetic West Bengal, Bihar, Himachal Pradesh and Saurashtra & Kutch. **markedly below normal(< -5.0°C)** at few places over East Madhya Pradesh; at isolated places over West Uttar Pradesh and West Madhya Pradesh. **The lowest minimum temperature** of 10.3°C was reported at MANDI (HIMACHAL PRADESH) over the Plains of India.

❖ **Maximum Temperature Departures (as on 06-11-2026): The highest maximum temperature** of 38.3°C was reported at KARWAR (KARNATAKA).

Meteorological Analysis (Based on 0530 hours IST)

- The **upper air cyclonic circulation** over northeast Bangladesh at 1.5 km above mean sea level persists.
- The **upper air cyclonic circulation** over northeast Assam & neighbourhood at 3.1 km above mean sea level persists.
- An **upper air cyclonic circulation** lay over Southeast Arabian Sea off south Kerala coast at 0.9 km above mean sea level.
- A fresh **Western Disturbance** likely to affect northwestern Himalayan region from 10th November.
- The **Western Disturbance** as a **trough** aloft in middle tropospheric westerlies with its axis at 5.8 km above mean sea level roughly along Long. 78°E to the north of Lat. 28°N moved away in east-northeastwards direction.
- The **trough** in easterlies from Southeast Arabian Sea adjoining Kerala to South Interior Karnataka at 0.9 km above mean sea level has become less marked.
- The **upper air cyclonic circulation** over east Telangana & adjoining Coastal Andhra Pradesh at 4.5 km above mean sea level has become less marked.



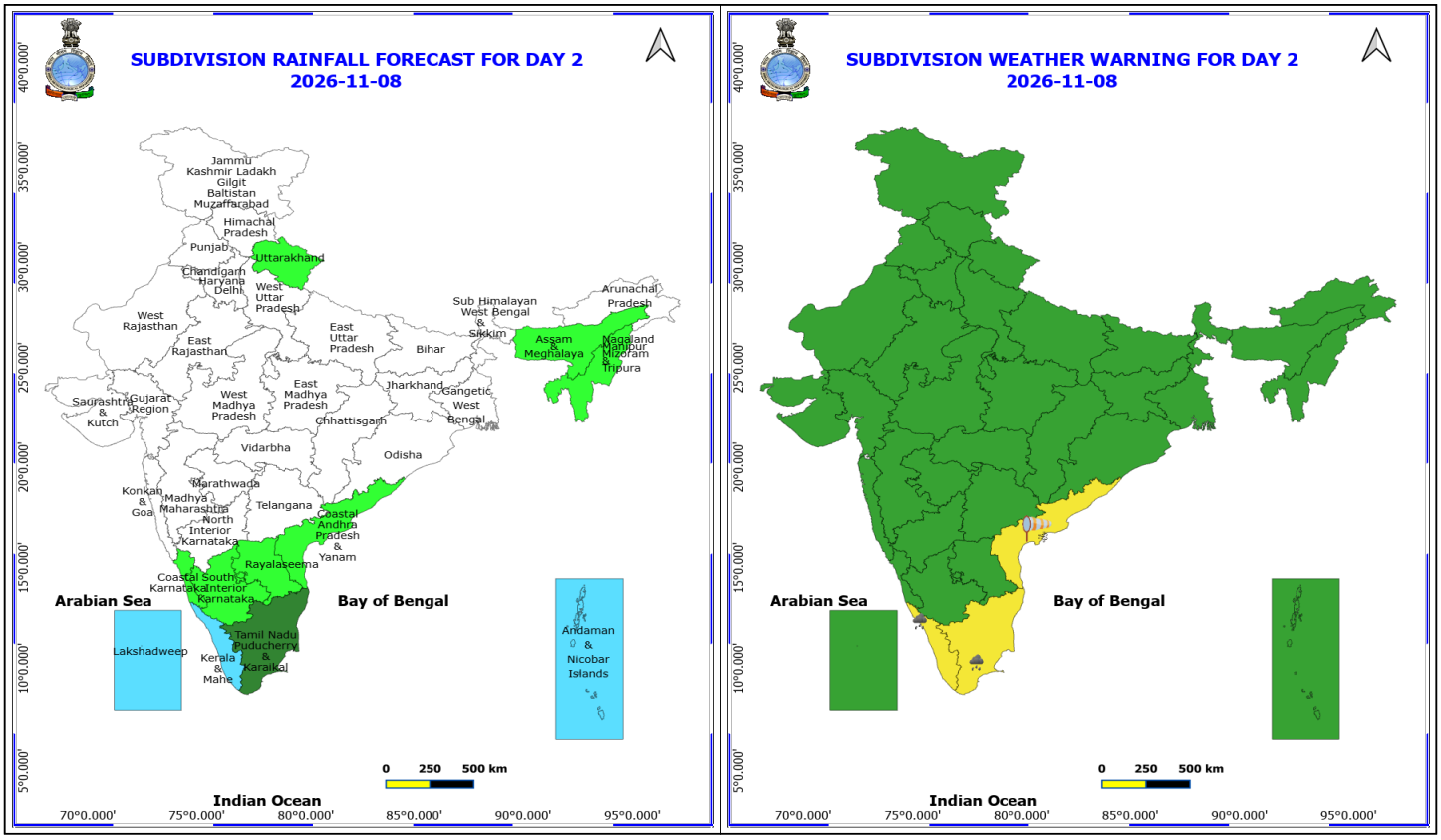
7 November (Day 1)

❖ **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 Coastal Andhra Pradesh, Kerala & Mahe, Lakshadweep and Tamil Nadu Puducherry & Karaikal.

❖ **Strong Surface Winds** very likely at isolated places over Coastal Andhra Pradesh.

No Fishermen Warning



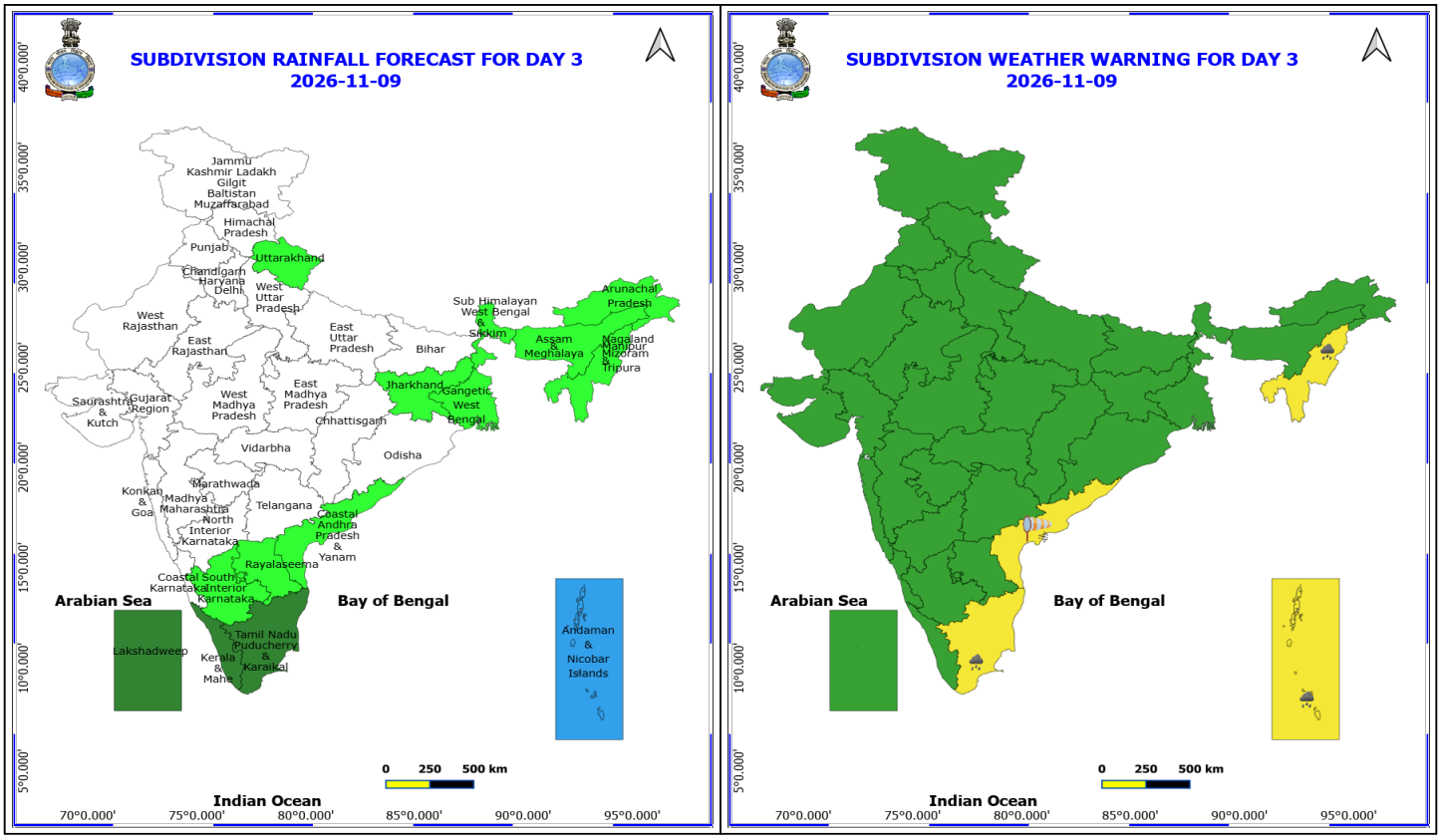
8 November (Day 2)

❖ **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 Coastal Andhra Pradesh, Kerala & Mahe, Lakshadweep and Tamil Nadu Puducherry & Karaikal.

❖ **Strong Surface Winds** very likely at isolated places over Coastal Andhra Pradesh.

No Fishermen Warning



9 November (Day 3)

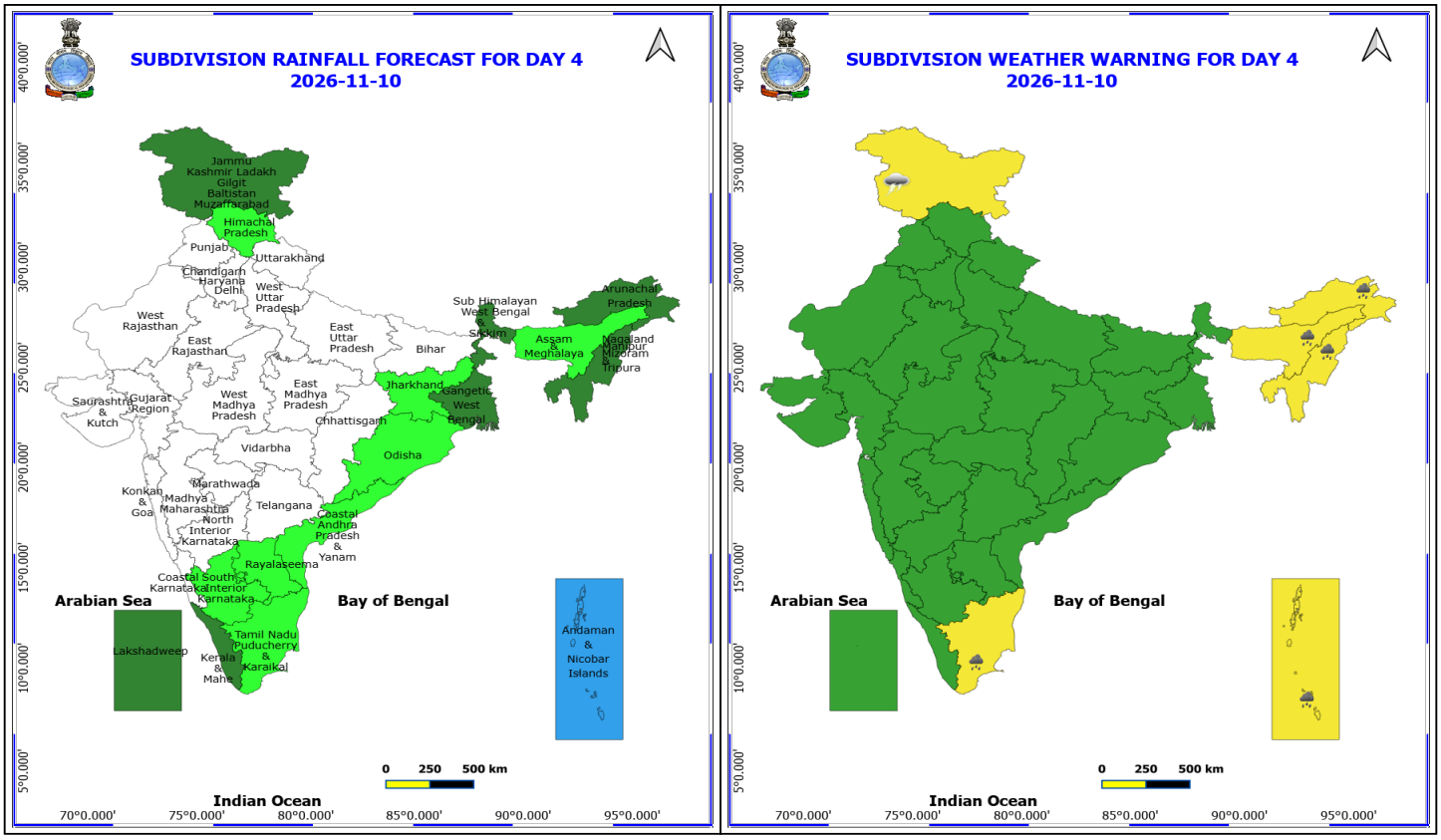
❖ **Heavy Rainfall** very likely at isolated places over Andaman & Nicobar Islands, Nagaland, Manipur, Mizoram and Tripura and Tamil Nadu Puducherry & Karaikal.

❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Coastal Andhra Pradesh and Tamil Nadu Puducherry & Karaikal.

❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Andaman & Nicobar Islands and Kerala & Mahe.

❖ **Strong Surface Winds** very likely at isolated places over Coastal Andhra Pradesh.

No Fishermen Warning



10 November (Day 4)

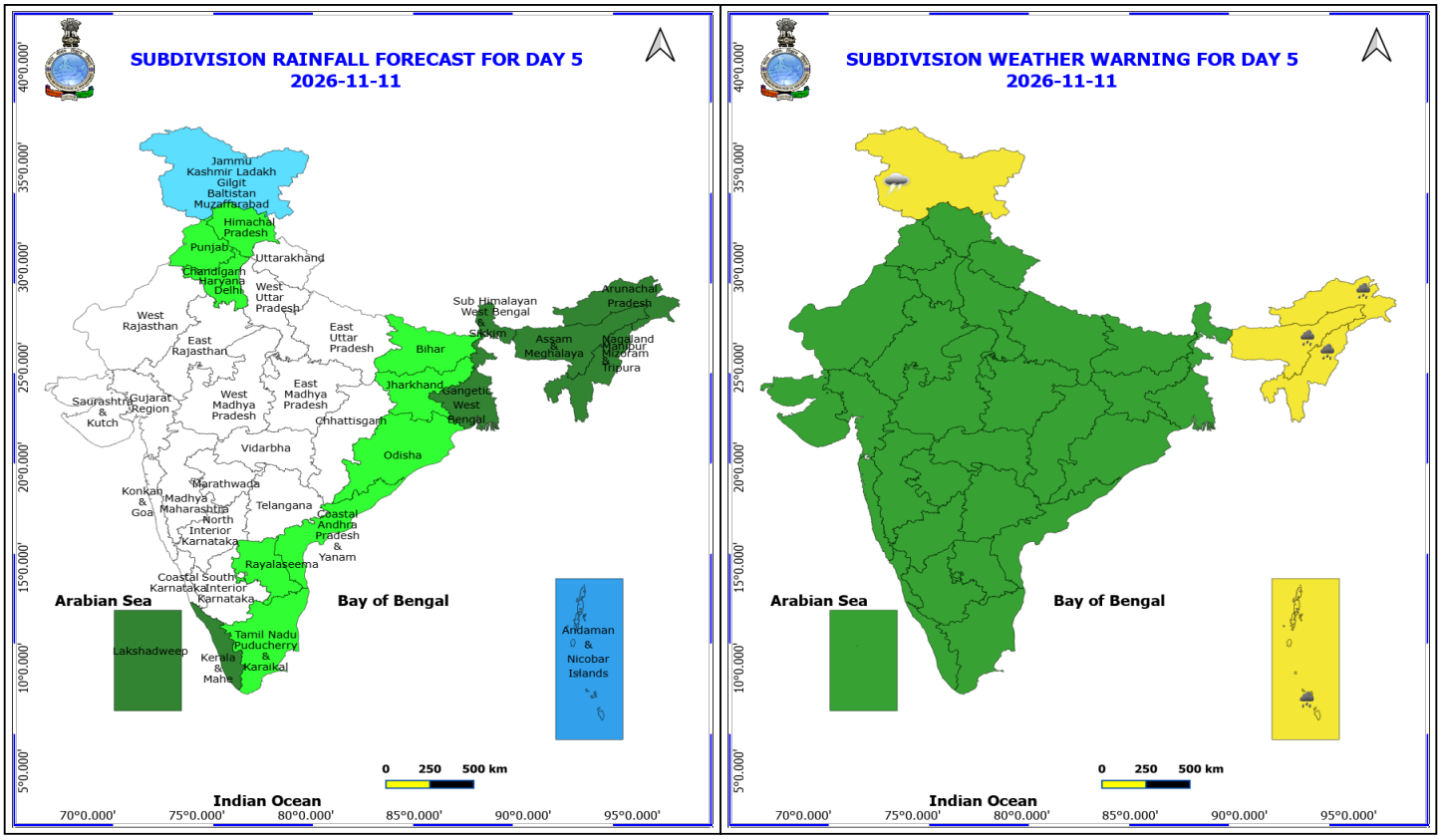
❖ **Heavy Rainfall** likely at isolated places over Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram and Tripura and Tamil Nadu Puducherry & Karaikal.

❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad.

❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Tamil Nadu Puducherry & Karaikal.

❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Andaman & Nicobar Islands, Kerala & Mahe and West Bengal & Sikkim.

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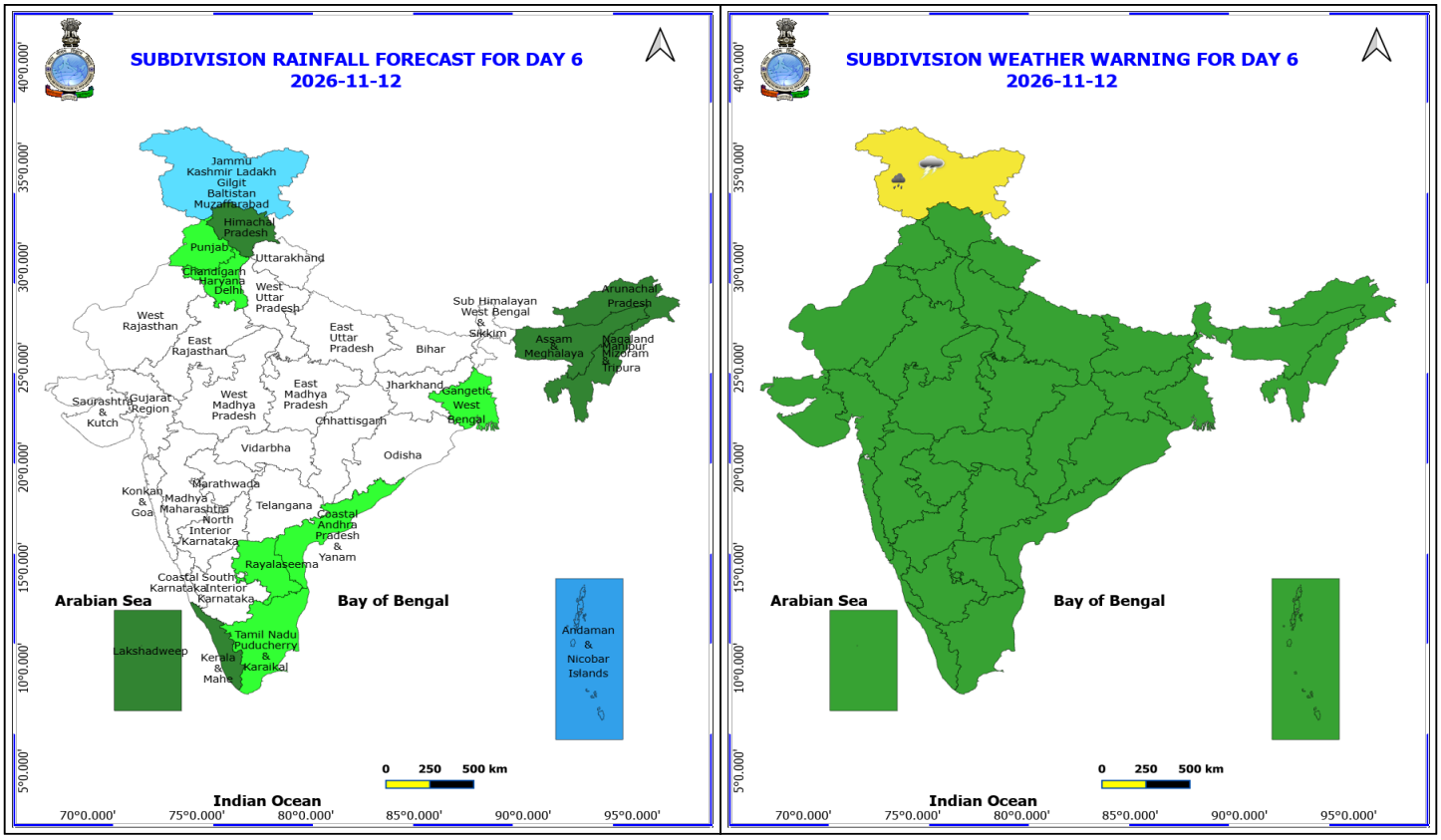
11 November (Day 5)

❖ **Heavy Rainfall** likely at isolated places over Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram and Tripura.

❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad.

❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Andaman & Nicobar Islands.

No Fishermen Warning



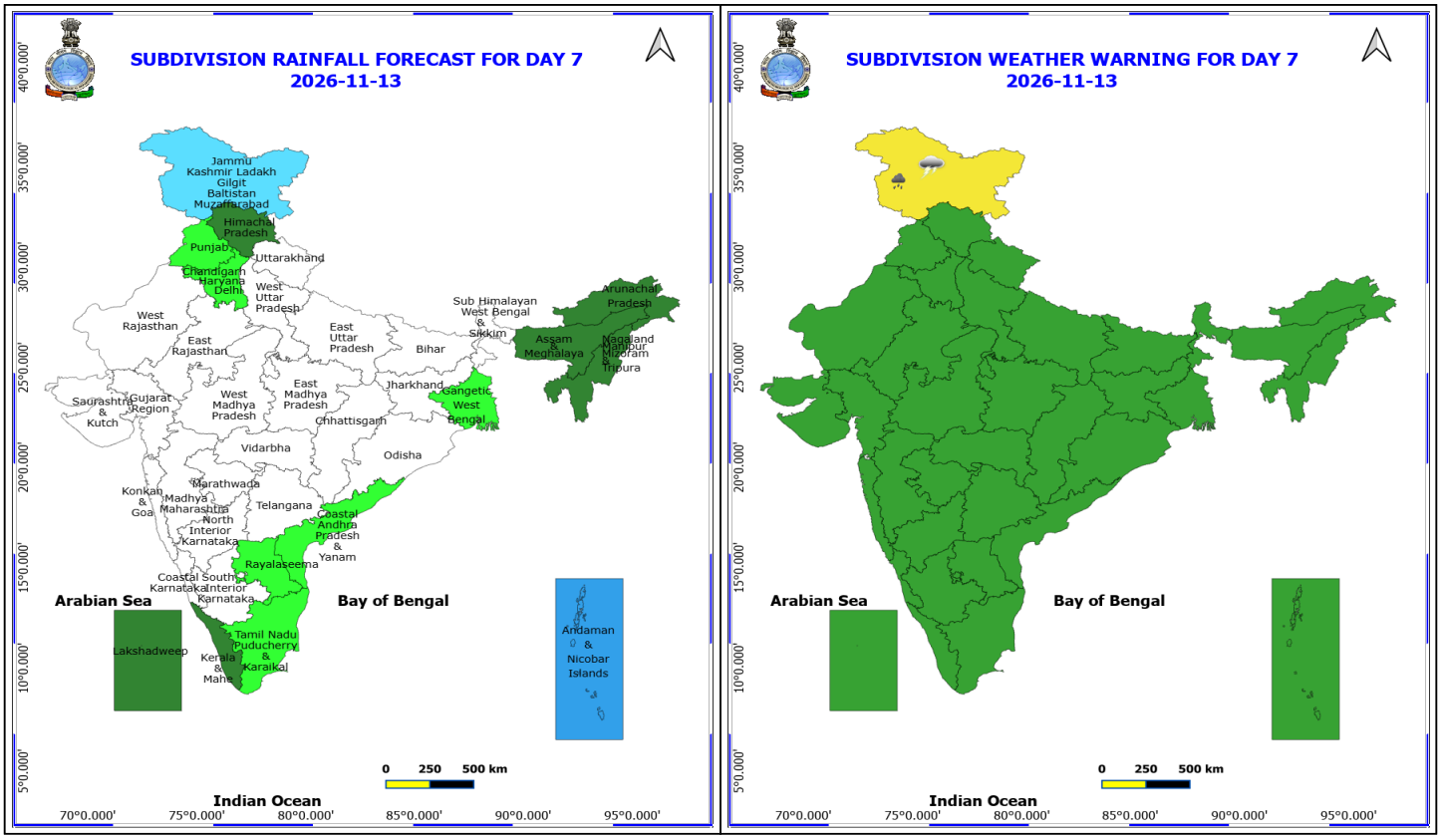
12 November (Day 6)

❖ **Heavy Rainfall** likely at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad.

❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad.

❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Andaman & Nicobar Islands and Himachal Pradesh.

No Fishermen Warning



13 November (Day 7)

❖ **Heavy Rainfall** likely at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad.

❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad.

❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Andaman & Nicobar Islands and Himachal Pradesh.

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Table-1

7 Days Rainfall Forecast

S.No.	Subdivision	7- Nov	8- Nov	9- Nov	10- Nov	11- Nov	12- Nov	13- Nov
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	SCT	FWS	WS	WS	WS	WS	WS
2	ARUNACHAL PRADESH	DRY	DRY	ISOL	SCT	SCT	SCT	SCT
3	ASSAM & MEHGHALAYA	DRY	ISOL	ISOL	ISOL	SCT	SCT	SCT
4	N. M. M. & T.	ISOL	ISOL	ISOL	SCT	SCT	SCT	SCT
5	S.H. WEST BENGAL & SIKKIM	DRY	DRY	ISOL	SCT	SCT	DRY	DRY
6	GANGETIC WEST BENGAL	DRY	DRY	ISOL	SCT	SCT	ISOL	ISOL
7	ODISHA	ISOL	DRY	DRY	ISOL	ISOL	DRY	DRY
8	JHARKHAND	DRY	DRY	ISOL	ISOL	ISOL	DRY	DRY
9	BIHAR	DRY	DRY	DRY	DRY	ISOL	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	ISOL	ISOL	DRY	DRY	DRY	DRY
13	HARYANA, CHD & DELHI	DRY	DRY	DRY	DRY	ISOL	ISOL	ISOL
14	PUNJAB	DRY	DRY	DRY	DRY	ISOL	ISOL	ISOL
15	HIMACHAL PRADESH	DRY	DRY	DRY	ISOL	ISOL	SCT	SCT
16	JAMMU AND KASHMIR AND LADAKH	DRY	DRY	DRY	SCT	FWS	FWS	FWS
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	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
29	TELANGANA	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
30	RAYALASEEMA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
31	TAMILNADU & PUDUCHERRY	SCT	SCT	SCT	ISOL	ISOL	ISOL	ISOL
32	COSTAL KARNATAKA	ISOL	ISOL	DRY	DRY	DRY	DRY	DRY
33	NORTH INTERIOR KARNATAKA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
34	SOUTH INTERIOR KARNATAKA	ISOL	ISOL	ISOL	ISOL	DRY	DRY	DRY
35	KERALA	FWS	FWS	SCT	SCT	SCT	SCT	SCT
36	LAKSHDWEEP	FWS	FWS	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

*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
(Service to the nation since 1875)

Fig. 1: Maximum Temperatures Dated 2026-11-06

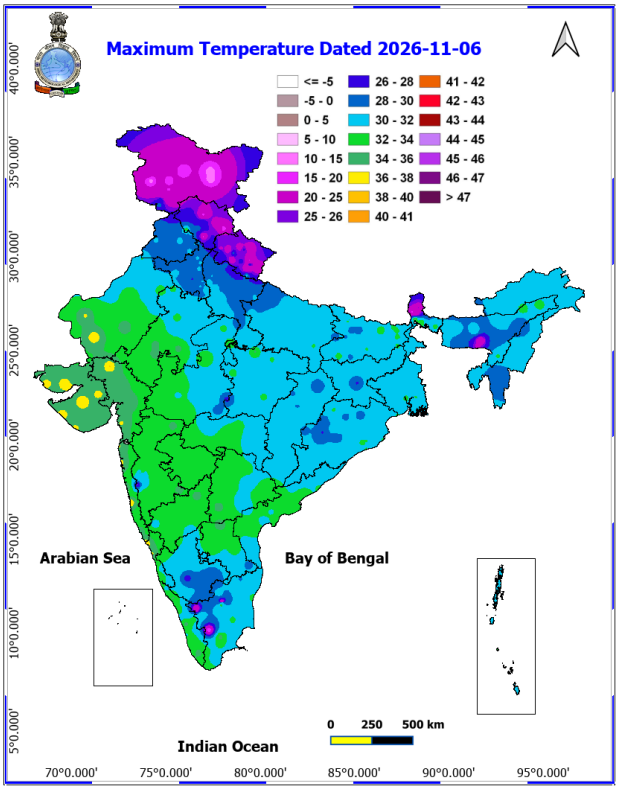


Fig. 2: Departure of Maximum Temp. Dated 2026-11-06

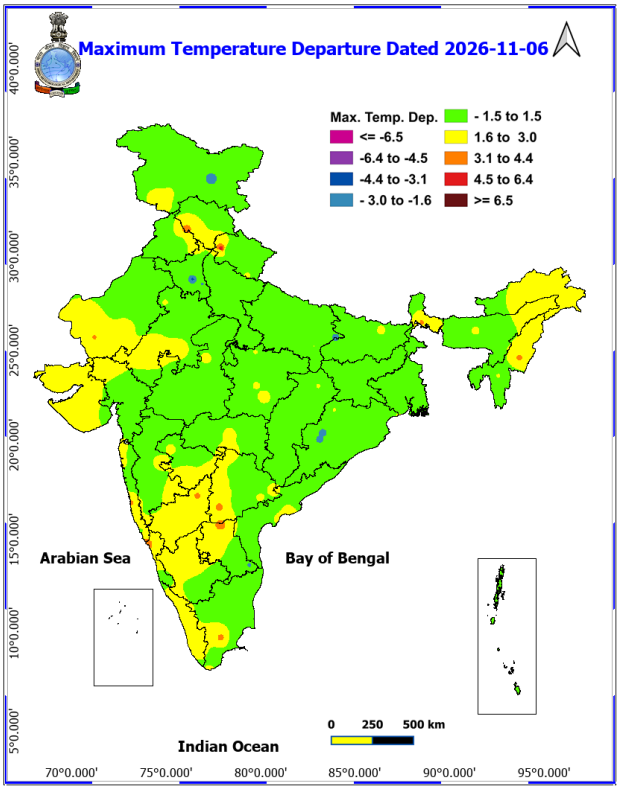


Fig. 3: Minimum Temperatures Dated 2026-11-06

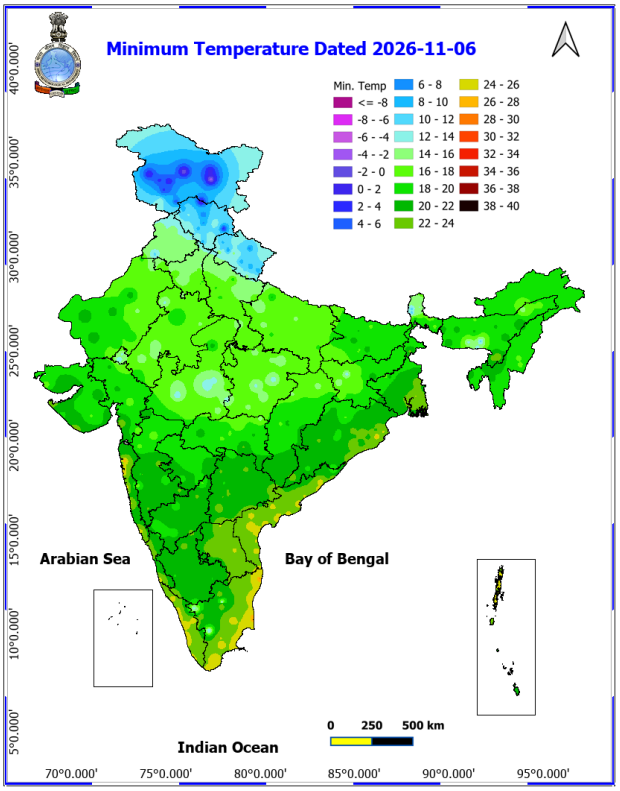
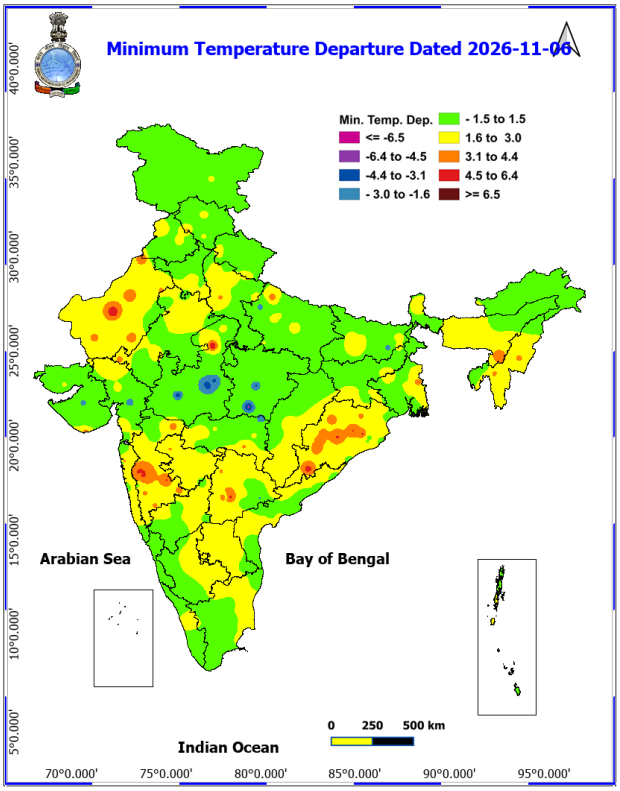
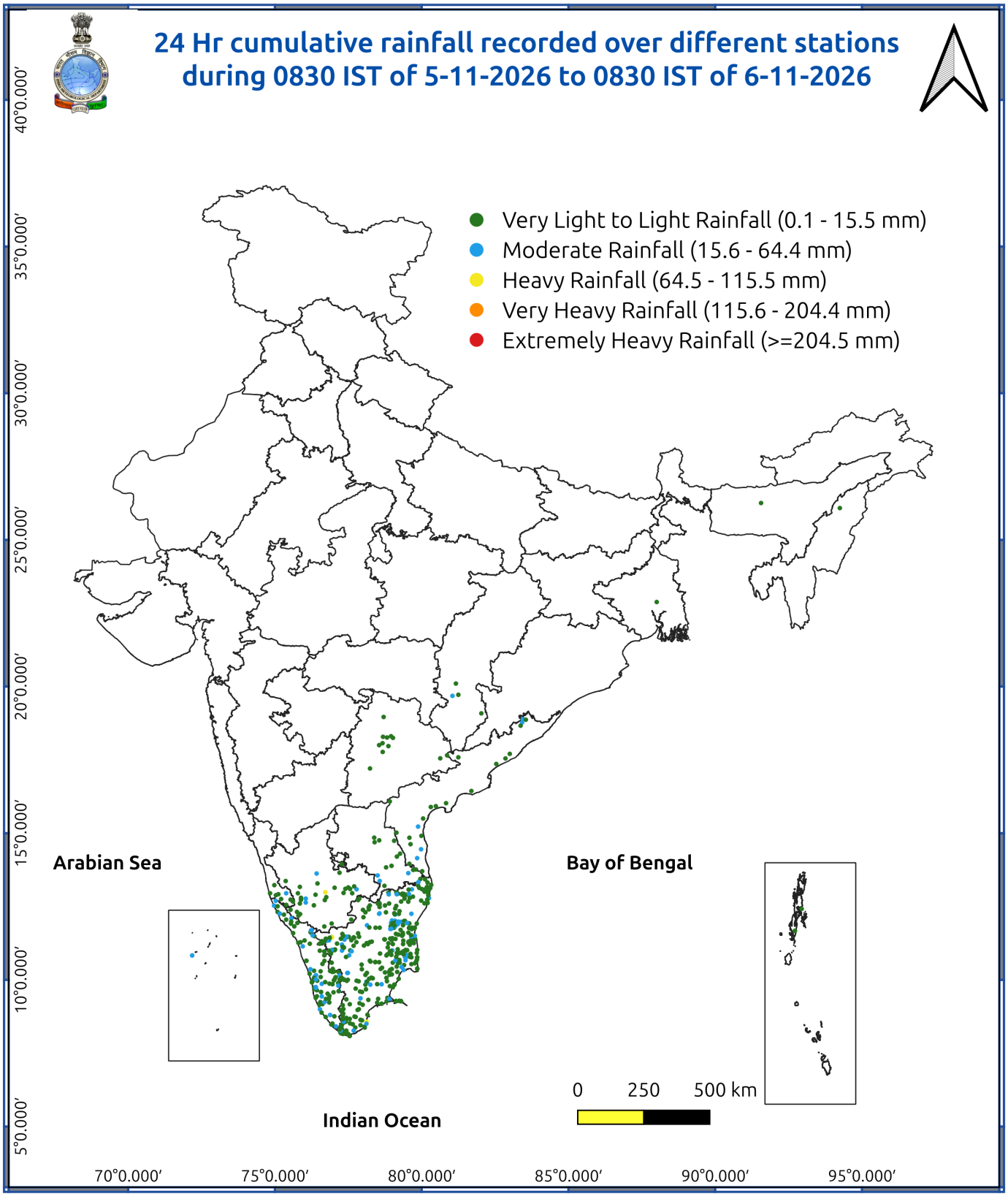


Fig. 4: Departure of Minimum Temp. Dated 2026-11-06



24 Hr cumulative rainfall recorded over different stations during 0830 IST of 5-11-2026 to 0830 IST of 6-11-2026



Impace and Actions

Impact Expected and Action Suggested due to heavy rainfall:

- **Isolated heavy rainfall** likely over Tamil Nadu, Puducherry & Karaikal during 7th-10th November; Keralam & Mahe on 7th & 8th November.
- **Isolated heavy rainfall** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 12th November.
- **Isolated heavy rainfall** likely over Andaman & Nicobar Islands during 9th-11th November.
- **Isolated heavy rainfall** likely over Arunachal Pradesh and Assam & Meghalaya during 10th-11th November; Nagaland, Manipur, Mizoram & Tripura during 9th-11th November.

Impact expected:

- Breaking of tree branches, uprooting of small trees like banana, papaya, drum sticks. Strong wind and rain may damage plantation, horticulture and standing crops.
- Partial damage to vulnerable structures due to strong winds and rain.
- Minor damage to kutcha houses/walls, huts and roads due to heavy rain.
- Loose objects may fly.
- Small ships, trawlers and boats may be affected.
- Road and rail traffic may be affected due to heavy rain and squally winds.
- There could be localised landslides, mudslides, landslips, water logging, inundation and flooding over low lying areas.
- Occasional reduction in visibility due to heavy rainfall.
- Helicopter services may get affected.

Action suggested:

- People are advised to keep a watch on the weather for worsening conditions and be ready to move to safer places accordingly.
- Take safe shelters; do not take shelter under trees, as there could be lightning.
- In case of expected lightning, unplug electrical/ electronic appliances, immediately, get out of water bodies and keep away from all the objects that conduct electricity.
- Tourism and recreational activities to be regulated.
- Onshore and offshore activities to be judiciously regulated.

Agromet advisories for various parts of the country

Agromet advisories for likely impact of Heavy Rainfall

- In **Tamil Nadu**, provide adequate drainage and drain excess water from rice, maize and casuarina and provide mechanical support to banana plantations. Open field drains immediately to prevent root zone waterlogging in sugarcane.
- In **Keralam**, ensure proper drainage in standing crop fields. Undertake transplanting of *rabi* rice only when field conditions are suitable. Prepare well-drained planting pits for banana. Provide support to banana and papaya plantations and stake young plants and vegetables wherever required to minimise damage from gusty winds.
- In **Coastal Andhra Pradesh**, maintain proper drainage from fields of rice, cotton, red gram, maize, sugarcane, groundnut, sorghum, pearl millet, turmeric, ginger and vegetables and plantations of banana, papaya and coffee to prevent waterlogging. Lift lodged plants of rice and sugarcane wherever feasible and provide support to prevent further damage. Provide mechanical support to banana and papaya plantations and stake young plants and vegetables.

Agromet advisories for likely impact of Thunderstorm / Gusty Winds

- Shift the harvested produce in safer places or cover the produce with tarpaulin sheets in the fields. Tie the harvested crops securely and cover them to minimize the risk of displacement from strong surface 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.

Advisories for likely impact of Heavy Rainfall for Livestock / Poultry / Fisheries

- Keep the animals inside the shed during heavy rainfall and provide them balanced feed.
- Store the feed and fodder in a safe place to prevent spoilage.
- Construct an outlet with proper netting around the ponds to drain excess water, thereby preventing fish from escaping in the event of overflow.

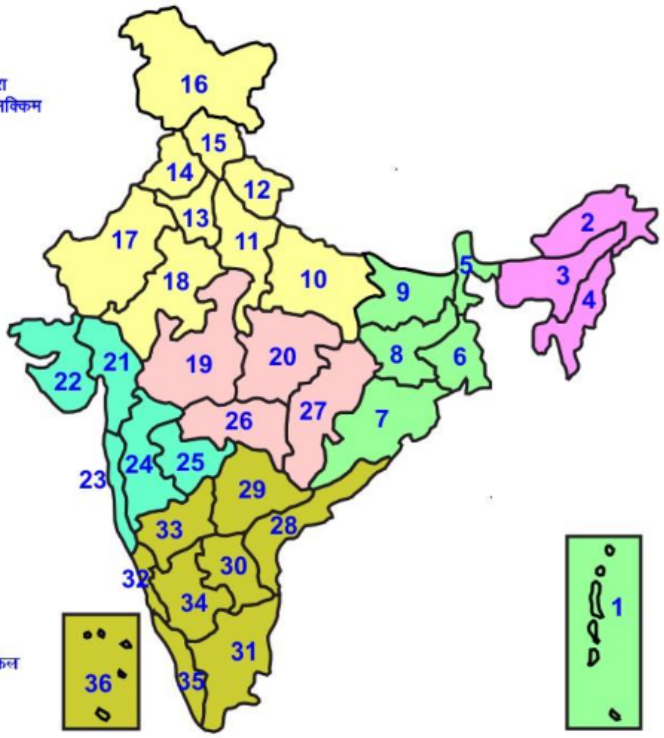
Legends & abbreviations:

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, Coastal Maharashtra (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 समुह
2 अरुणाचल प्रदेश
3 असम और मेघालय
4 नागालैंड मनीपुर मीजोरम और त्रिपुरा
5 उप हिमालय पश्चिम बंगाल एंवम् सिक्किम
6 पश्चिम गांगेय बंगाल
7 ओडिसा
8 झारखंड
9 बिहार
10 पूर्वी उत्तर प्रदेश
11 पश्चिम उत्तर प्रदेश
12 उत्तराखंड
13 हरियाणा चंडिगढ़ एंवम् दिल्ली
14 पंजाब
15 हिमाचल प्रदेश
16 जम्मू एवंम कश्मीर एवंम लद्दाख
17 पश्चिम राजस्थान
18 पूर्वी राजस्थान
19 पश्चिम मध्य प्रदेश
20 पूर्वी मध्य प्रदेश
21 गुजरात क्षेत्र
22 सौराष्ट्र एंवम् कच्छ
23 कोंकण एंवम् गोवा
24 मध्य महाराष्ट्र
25 मराठावाडा
26 विदर्भ
27 छत्तीसगढ़
28 तटीय आंध्र प्रदेश एवं यनम
29 तेलंगाना
30 रायलसीमा
31 तमिलनाडु ,पुदुचेरी एवंम कराईकल
32 तटिय कर्नाटक
33 आंतरिक उत्तरी कर्नाटक
34 आंतरिक दक्षिणी कर्नाटक
35 केरल एवंम 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 Rajsthan
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 Widespred (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
Cold Day
Ground Frost
Fog
Hot & Humid

*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
(Service to the nation since 1875)

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

Rain/ Snow *

Heavy: 64.5 to 115.5 mm/cm *
Very Heavy: 115.6 to 204.4 mm/cm*
Extremely Heavy: > 204.4 mm/cm *

Heat Wave

When maximum temperature of a station reaches ≥40° C for plains and ≥30° 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 ≥6.5° C

(b). Based on Actual maximum temperature

Heat Wave: When actual maximum temperature ≥45°C.
Severe Heat Wave: When actual maximum temperature ≥47°C

(c). Criteria for heat wave for coastal stations

When maximum temperature departure is >4.5°C from normal. Heat Wave may be described provided maximum temperature ≥37°C

Warm Night

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 °C.

Cold Wave

When minimum temperature of a station ≤10°C for plains and ≤0°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 ≤ -6.5 °C

(b) Based on actual Minimum Temperature (for Plains only)

Cold Wave : When Minimum Temperature is ≤ 4.0 °C
Severe Cold Wave: When Minimum Temperature is ≤ 2.0 °C

(c) For Coastal Stations

When Minimum Temperature departure is ≤-4.5 °C & actual Minimum Temperature is ≤ 15 °C

Cold Day

When minimum temperature of a station ≤10°C for plains and ≤0°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 ≤ -6.5 °C

Fog

Phenomenon of small droplets suspended in air and the horizontal visibility < 1km

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

Thunderstorm

Sudden electrical discharges manifested by a flash of light (Lightning) and a sharp rumbling sound (thunder)

Dust/Sand Storm

An ensemble of particles of dust or sand energetically lifted to great heights by a strong and turbulent wind.

Frost

Ice deposits on ground

Air temperature ≤4°C (over Plains)

Squall

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

Sea State

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

Cyclone

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)