राष्ट्रीय मौसम पूर्वानुमान केन्द्र
भारत मौसम विज्ञान विभाग
पृथ्वी विज्ञान मंत्रालय

National Weather Forecasting Centre
India Meteorological Department
Ministry of Earth Sciences

2026-11-04
Time of Issue: 20:30:00 hours IST
(Night)

ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

Significant Weather Features

Weather Systems, Forecast and Warnings

South Peninsular India:

- **Isolated to Scattered** rainfall likely over Tamil Nadu, Puducherry & Karaikal during 4th-6th November and during 9th-10th November; Coastal Karnataka, Kerala & Mahe, Lakshadweep, Rayalaseema and South Interior Karnataka during 4th-10th November; North Interior Karnataka during 4th-5th November; Coastal Andhra Pradesh & Yanam during 5th-10th November; Telangana during 4th-7th November.
- **Fairly Widespread to Widespread** rainfall likely over Tamil Nadu, Puducherry & Karaikal during 7th-8th November; Coastal Andhra Pradesh & Yanam on 4th November.
- Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Coastal Andhra Pradesh & Yanam and Rayalaseema during 4th-5th November; Telangana on 4th November, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over South Interior Karnataka during 4th-6th November; Coastal Andhra Pradesh & Yanam and Rayalaseema during 6th-8th November.
- Isolated **thunderstorm & lightning** likely over Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal during 4th-8th November; Coastal Karnataka during 4th-5th November.
- Isolated **heavy rainfall** likely over Tamil Nadu, Puducherry & Karaikal during 4th-8th November; Kerala & Mahe on 4th November and during 6th-8th November; Coastal Karnataka on 4th November; South Interior Karnataka during 4th-6th November with isolated **very heavy rainfall** also likely over Coastal Andhra Pradesh & Yanam and Telangana on 4th November.
- **Strong Surface Winds** likely over Coastal Andhra Pradesh & Yanam and Rayalaseema during 4th-8th November.

Central India:

- **Isolated to Scattered** rainfall likely over East Madhya Pradesh on 4th November; Vidarbha during 4th-5th November; Chhattisgarh during 4th-6th November.
- Isolated **thunderstorm & lightning** likely over Chhattisgarh on 4th November.
- Isolated **heavy rainfall** likely over south Chhattisgarh on 4th November.

East India:

- **Fairly Widespread to Widespread** rainfall likely over Andaman & Nicobar Islands during 8th-10th November.
- **Isolated to Scattered** rainfall likely over Andaman & Nicobar Islands and Odisha during 4th-7th November; Gangetic West Bengal during 9th-10th November; Jharkhand on 4th November and during 9th-10th November.
- Isolated **thunderstorm, lightning & gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Odisha during 4th-5th November.
- Isolated **heavy rainfall** likely over south Odisha on 4th November.

Northwest, West & Northeast India:

No significant weather likely over Northwest, West & Northeast India during the week.

Fishermen warnings:

Bay of Bengal: Along and off Andhra Pradesh coast adjoining Westcentral Bay of Bengal on 04th November.

Main Weather Observations:

❖ **Rainfall distribution** (from 0830 hours IST to 1730 hours IST of today): **at many places** over Gangetic West Bengal, Odisha, Coastal Andhra Pradesh & Yanam, Telangana, Chhattisgarh, Tamilnadu Puducherry & Karaikal, South Interior Karnataka and Kerala & Mahe; **Dry** over rest of the country.

❖ **Significant rainfall recorded(in cm)** (from 0830 hours IST to 1730 hours IST of today): **Coastal Andhra Pradesh & Yanam**: Kakinada (dist Kakinada) 8.

❖ **Heavy Rainfall observed** (from 0830 hours IST to 1730 hours IST of today):**Heavy rain** at isolated places over Coastal Andhra Pradesh & Yanam

❖ **Fog Condition Observed (at 1730 hours of today): Shallow fog conditions:** at isolated places over Assam & Meghalaya

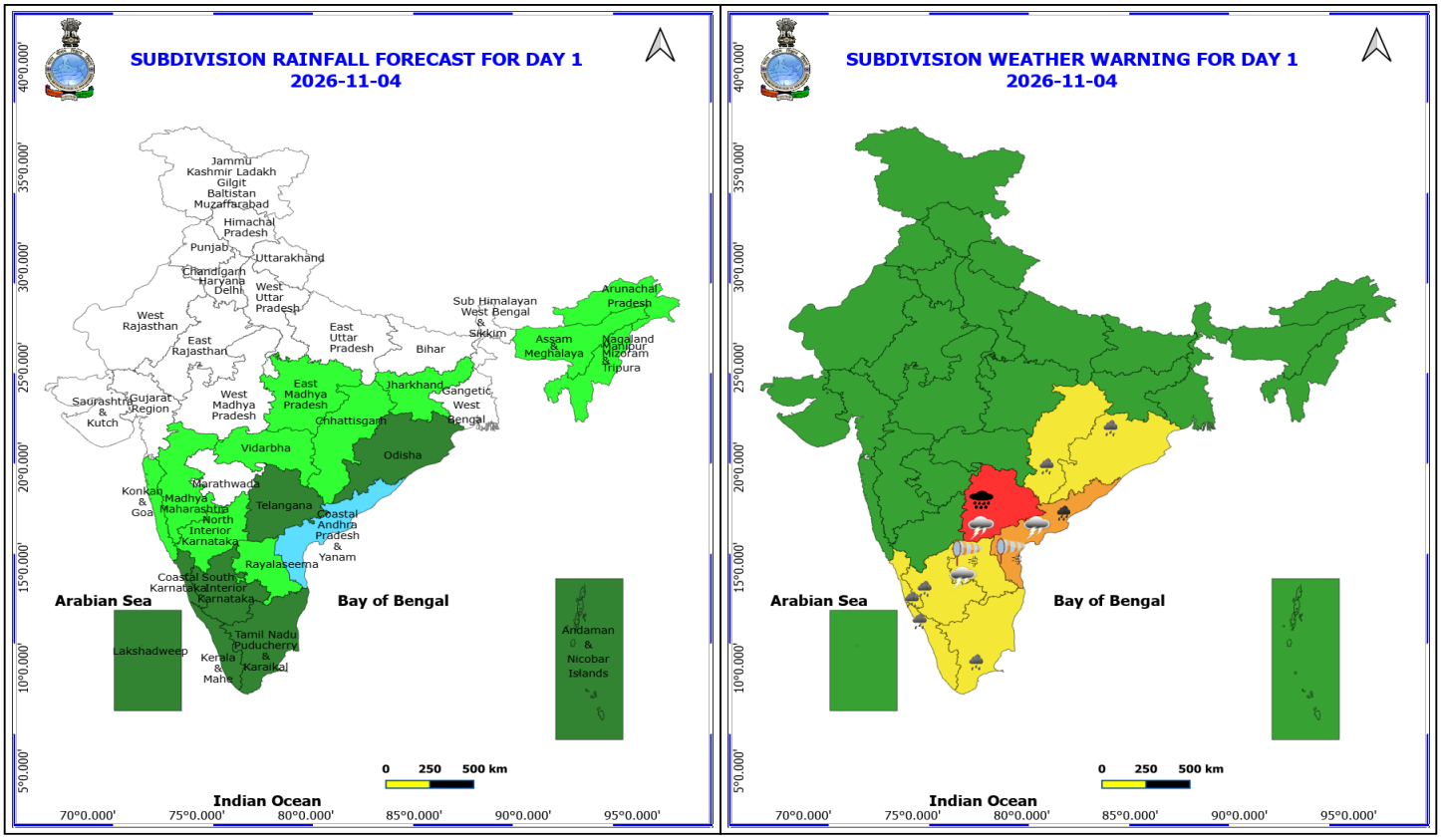
❖ **Visibility reported (at 1730 hours of today):** Gangetic West Bengal: Basirhat (dist North 24 Parganas), Suri (dist Birbhum) Each; Odisha: Bhubaneshwar-cuttack (dist Khordha), Angul (dist Angul), Baripada-obs (dist Mayurbhanj), Sundargarh (dist Sundargarh), Bolangir, Titlagarh (dist Balangir), Koraput (dist Koraput), Phulbani (dist Kandhamal), Chhatrapur (dist Ganjam), Rayagada-obs (dist Rayagada), Boudh (dist Boudh), Malkangiri-obs (dist Malkangiri), Sonepur (dist Subarnapur) Each;.

❖ **Minimum Temperature Departures (as on 04-11-2026): below normal(-1.6°C to -3.0°C)** at few places over East Madhya Pradesh and Coastal Andhra Pradesh & Yanam; at isolated places over Gangetic West Bengal, Bihar, East Uttar Pradesh, Himachal Pradesh, East Rajasthan, West Madhya Pradesh and Saurashtra & Kutch. **appreciably below normal(-5.0°C to -3.1°C)** at isolated places over West Madhya Pradesh and Rayalaseema. **markedly below normal(< -5.0°C)** at isolated places over West Madhya Pradesh and East Madhya Pradesh. **The lowest minimum temperature** of 11.9°C was reported at MANDI (HIMACHAL PRADESH) over the Plains of India.

❖ **Maximum Temperature Departures (as on 04-11-2026): The highest maximum temperature** of 37.7°C was reported at PORBANDAR (A) (GUJARAT).

Meteorological Analysis (Based on 1730 hours IST)

- **The Well marked Low Pressure Area (Remnant of Severe Cyclonic Storm "Murasu")** over east Telangana & adjoining Coastal Andhra Pradesh persisted over the same region at 1730 hours IST of today, the 04th November, 2026. The associated cyclonic circulation extends upto 5.8 km above mean sea level. Continuing to move nearly northwards, it is very likely to weaken further into a **Low Pressure Area** over the same region during next 12 hours.
- The **upper air cyclonic circulation** over north Haryana & neighbourhood persists and now seen between 3.1 & 4.5 km above mean sea level.
- The **upper air cyclonic circulation** over south Assam & adjoining Bangladesh at 1.5 km above mean sea level persists.
- The **upper air cyclonic circulation** over South Tamil Nadu & neighbourhood at 0.9 km above mean sea level persists.
- The **upper air cyclonic circulation** over Lakshadweep & neighbourhood extending upto 3.1 km above mean sea level persists.
- The **Western Disturbance** now seen as a **cyclonic circulation** over north Pakistan and adjoining Jammu between 3.1 km & 5.8 km above mean sea level with the trough aloft in upper tropospheric westerlies with its axis at 7.6 km above mean sea level roughly along Long. 67°E to the north of Lat. 30°N.
- The **upper air cyclonic circulation** over Konkan & Goa & neighbourhood at 1.5 km above mean sea level has become less marked.



4 November (Day 1)

❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Coastal Andhra Pradesh and Telangana.

❖ **Heavy Rainfall** very likely at isolated places over Chhattisgarh, Coastal Karnataka, Kerala & Mahe, Odisha, South Interior Karnataka and Tamil Nadu Puducherry & Karaikal.

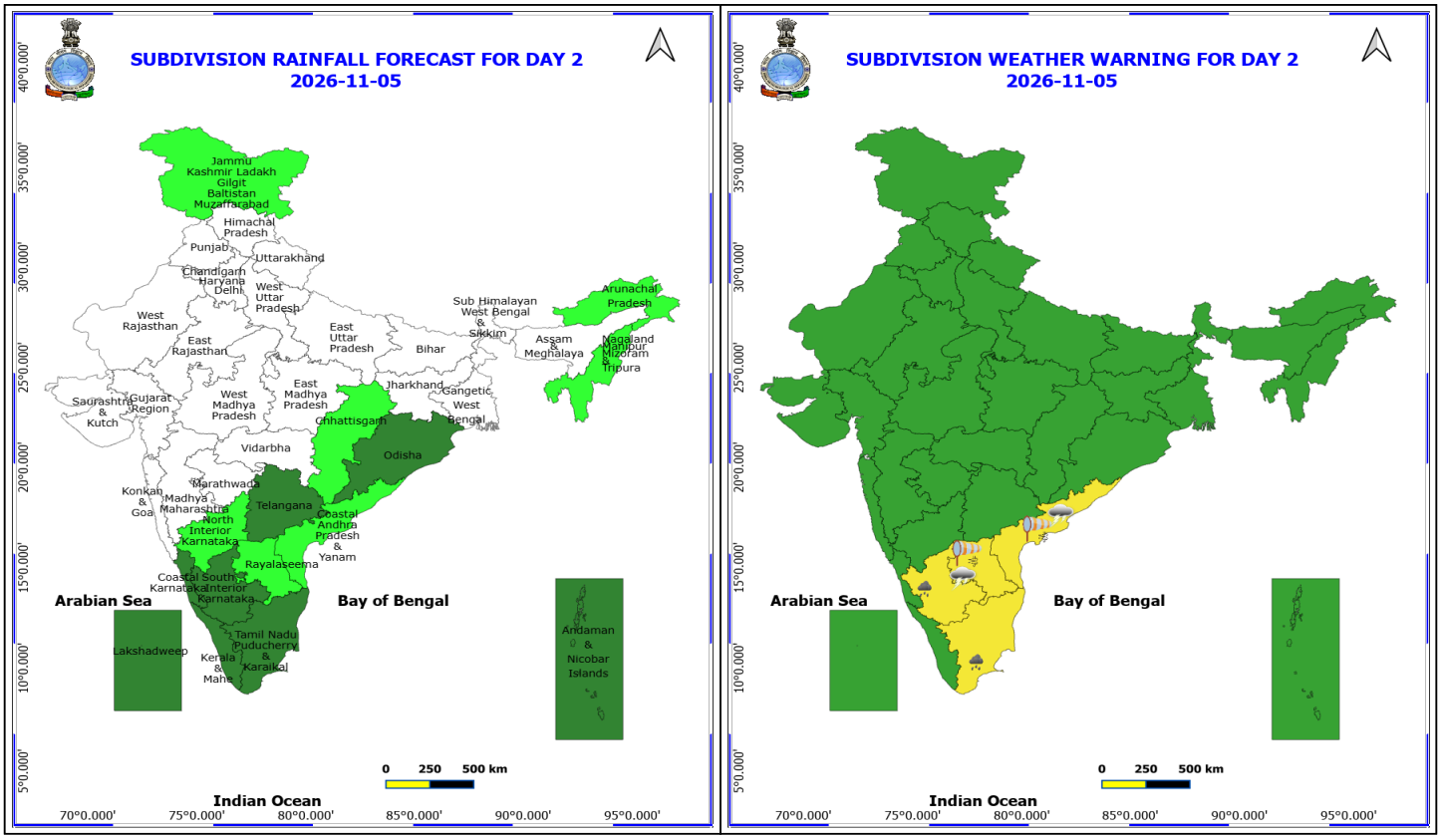
❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Andhra Pradesh and Telangana.

❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Odisha and South Interior Karnataka.

❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Chhattisgarh, Coastal Karnataka, Kerala & Mahe and Tamil Nadu Puducherry & Karaikal.

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

No Fishermen Warning



5 November (Day 2)

❖ **Heavy Rainfall** very likely at isolated places over South Interior Karnataka and Tamil Nadu Puducherry & Karaikal.

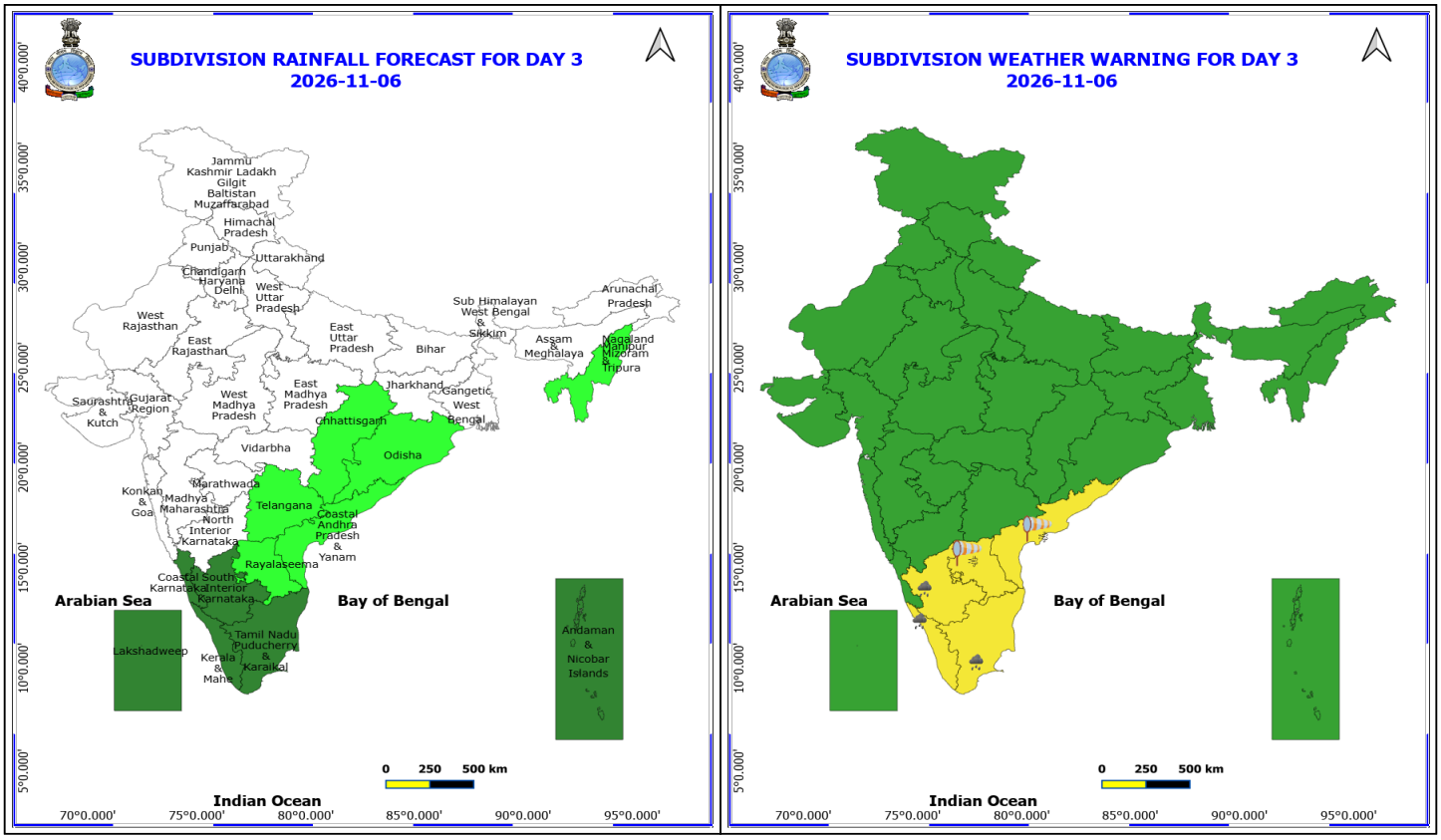
❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Andhra Pradesh.

❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Odisha and South Interior Karnataka.

❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Coastal Karnataka, Kerala & Mahe and Tamil Nadu Puducherry & Karaikal.

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

No Fishermen Warning



6 November (Day 3)

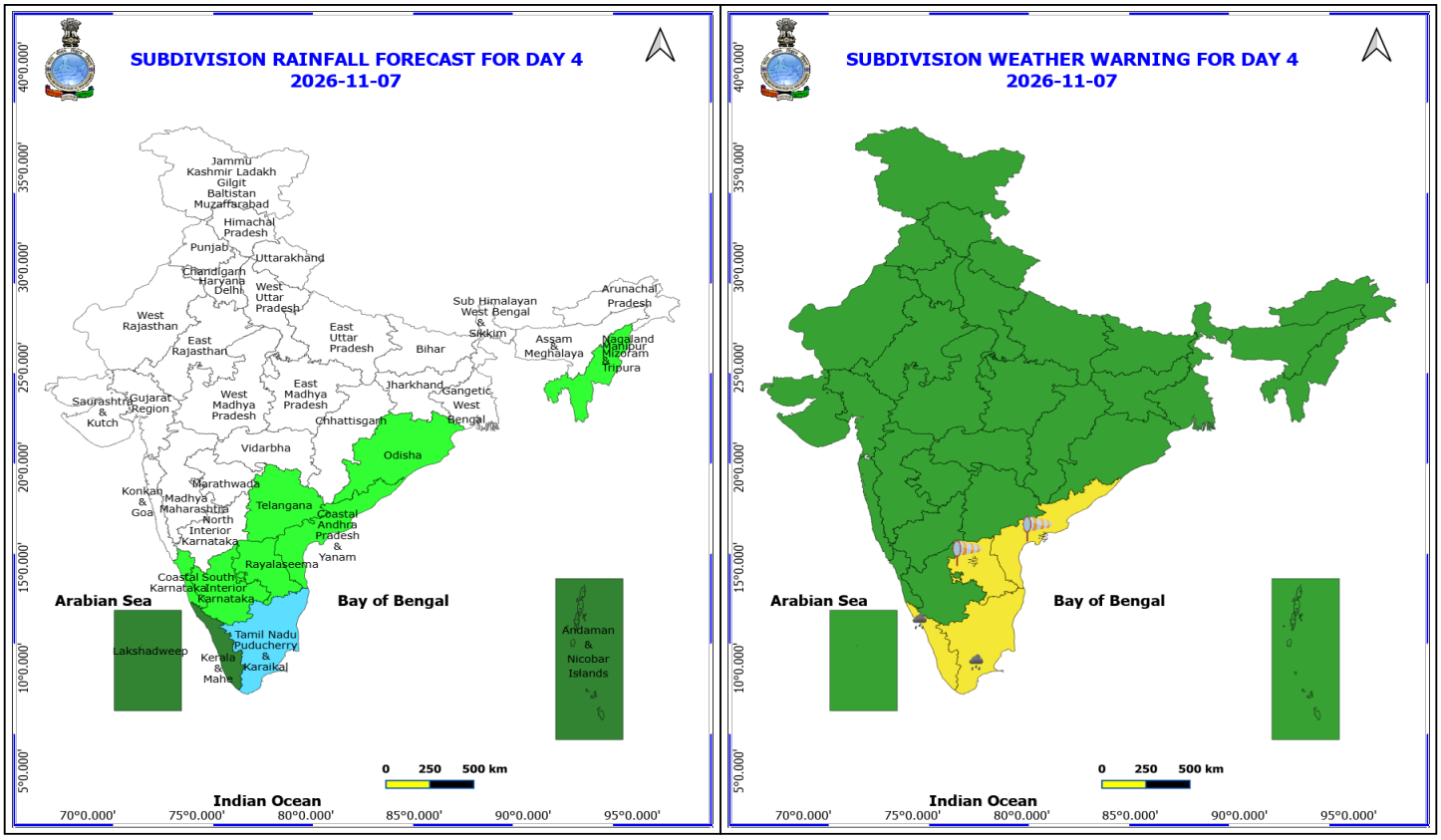
❖ **Heavy Rainfall** very likely at isolated places over Kerala & Mahe, South Interior Karnataka and Tamil Nadu Puducherry & Karaikal.

❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Andhra Pradesh and South Interior Karnataka.

❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Kerala & Mahe and Tamil Nadu Puducherry & Karaikal.

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

No Fishermen Warning



7 November (Day 4)

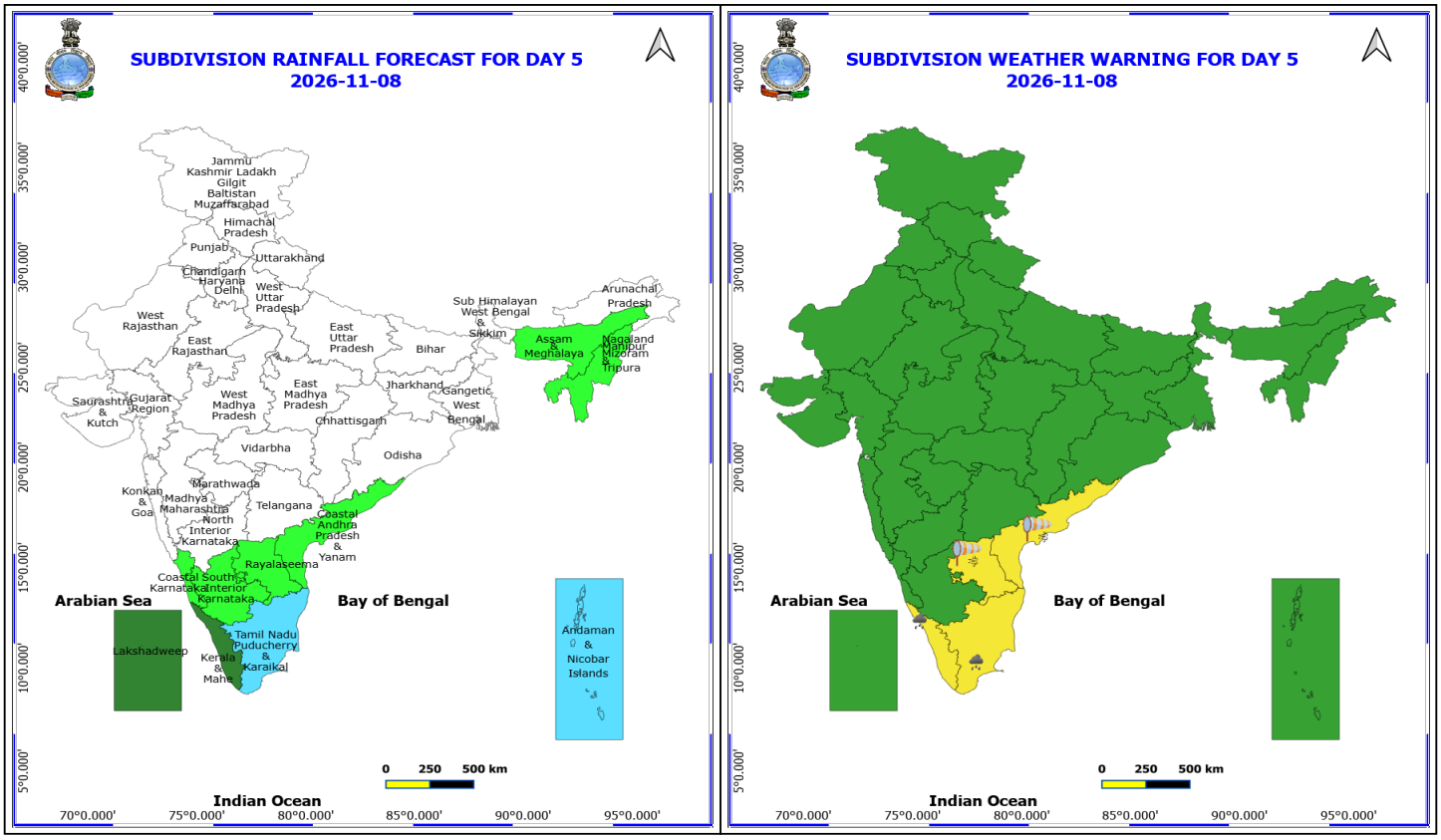
❖ **Heavy Rainfall** likely at isolated places over Kerala & Mahe and Tamil Nadu Puducherry & Karaikal.

❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Andhra Pradesh.

❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Kerala & Mahe and Tamil Nadu Puducherry & Karaikal.

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

No Fishermen Warning



8 November (Day 5)

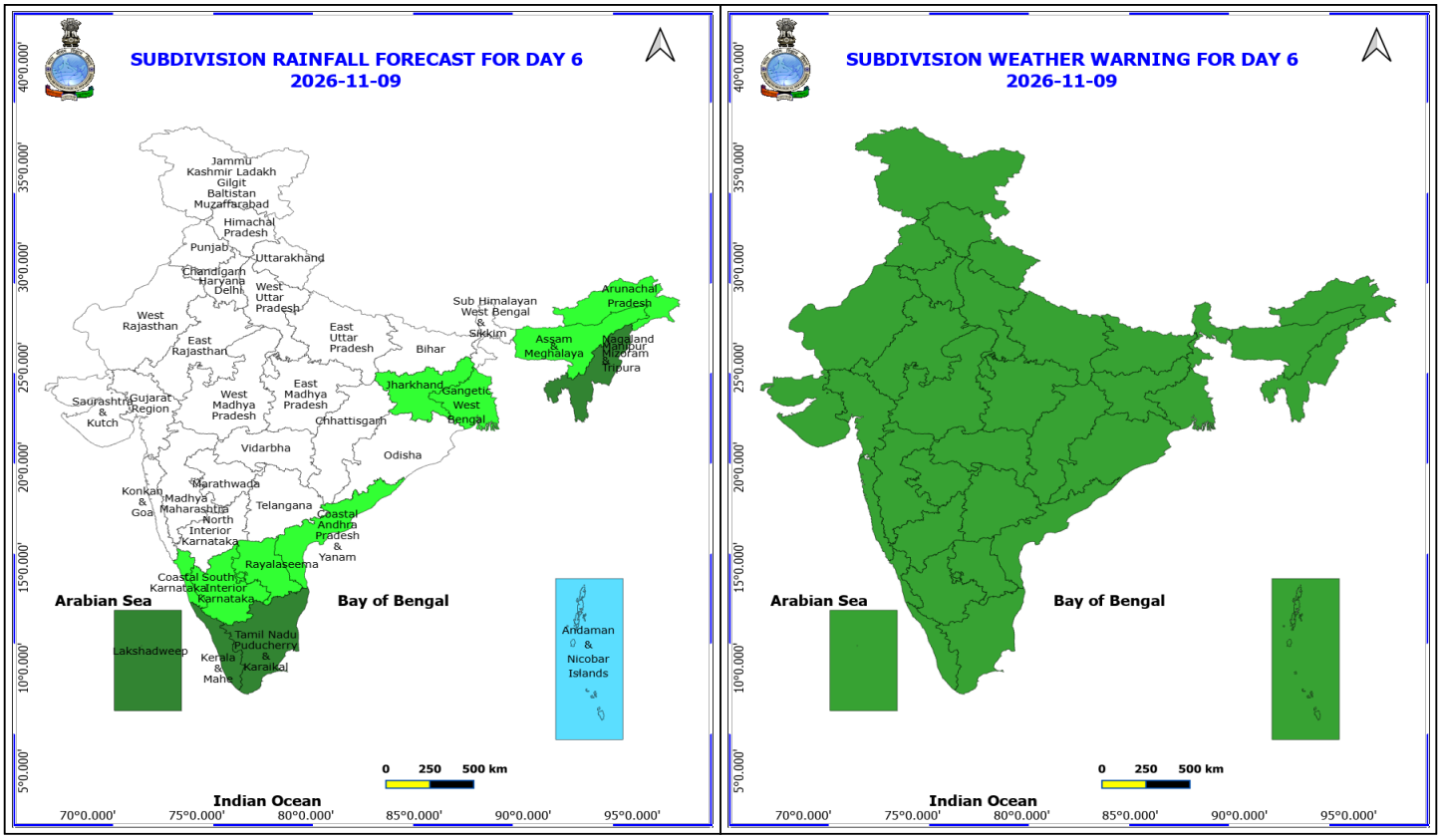
❖ **Heavy Rainfall** likely at isolated places over Kerala & Mahe and Tamil Nadu Puducherry & Karaikal.

❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Andhra Pradesh.

❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Kerala & Mahe and Tamil Nadu Puducherry & Karaikal.

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

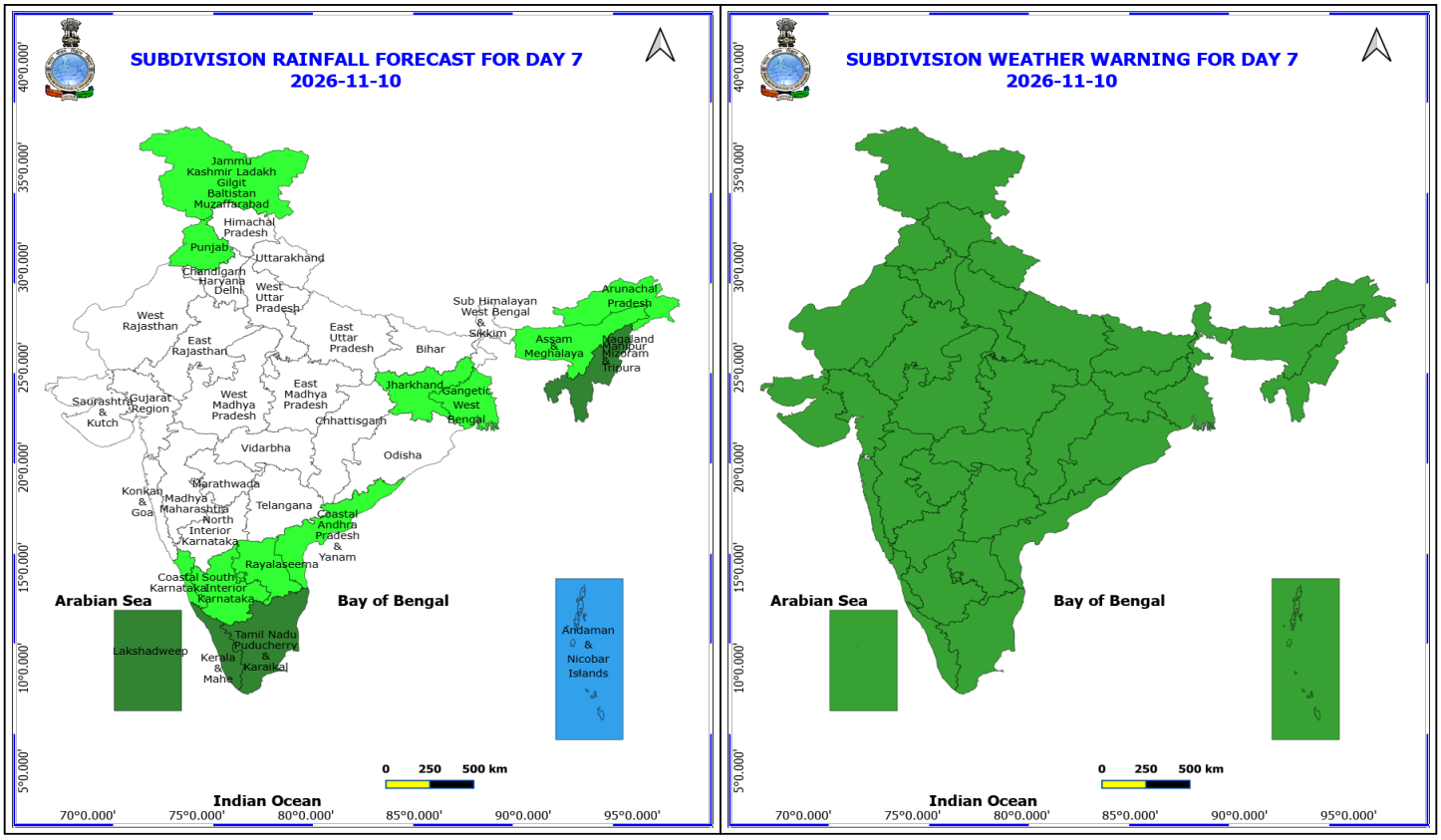
No Fishermen Warning



9 November (Day 6)

No Warning

No Fishermen Warning



10 November (Day 7)

No Warning

No Fishermen Warning

Table-1

7 Days Rainfall Forecast

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

*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 2026-11-04

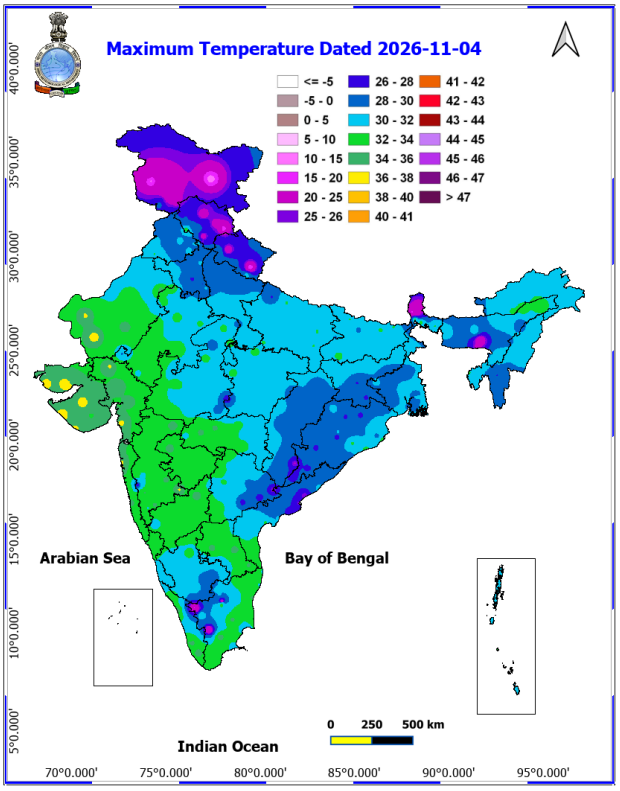


Fig. 2: Departure of Maximum Temp. Dated 2026-11-04

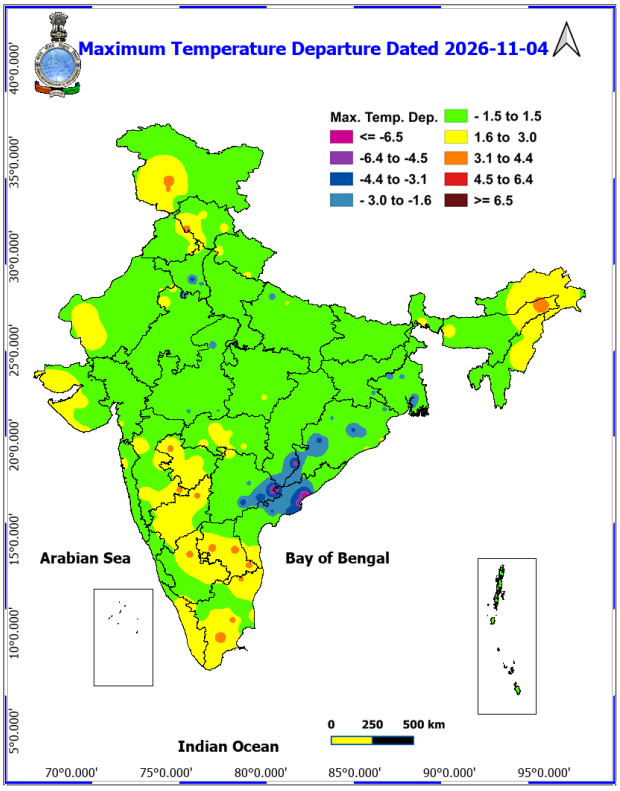


Fig. 3: Minimum Temperatures Dated 2026-11-04

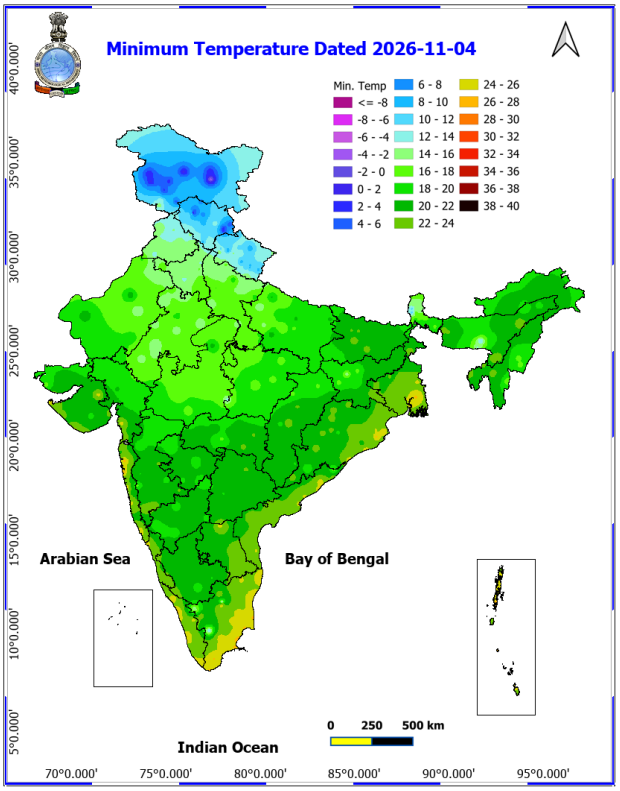
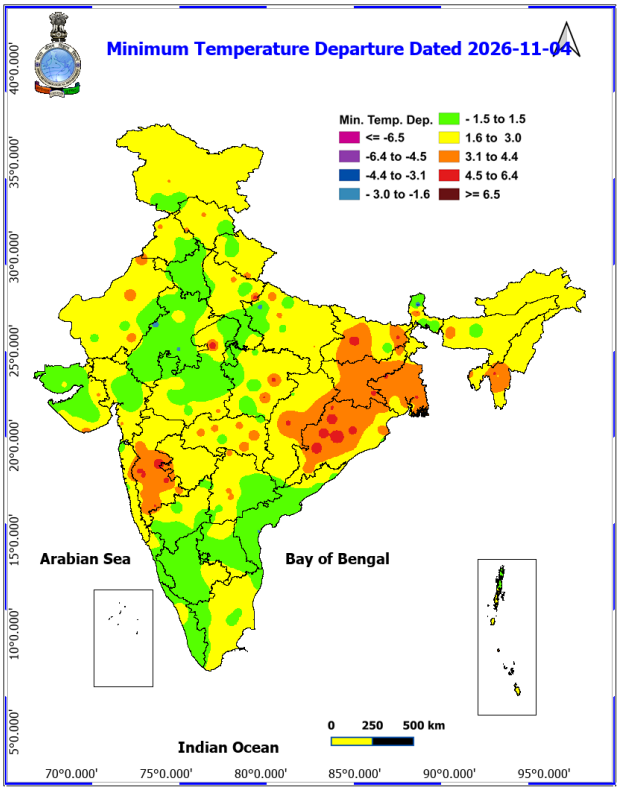
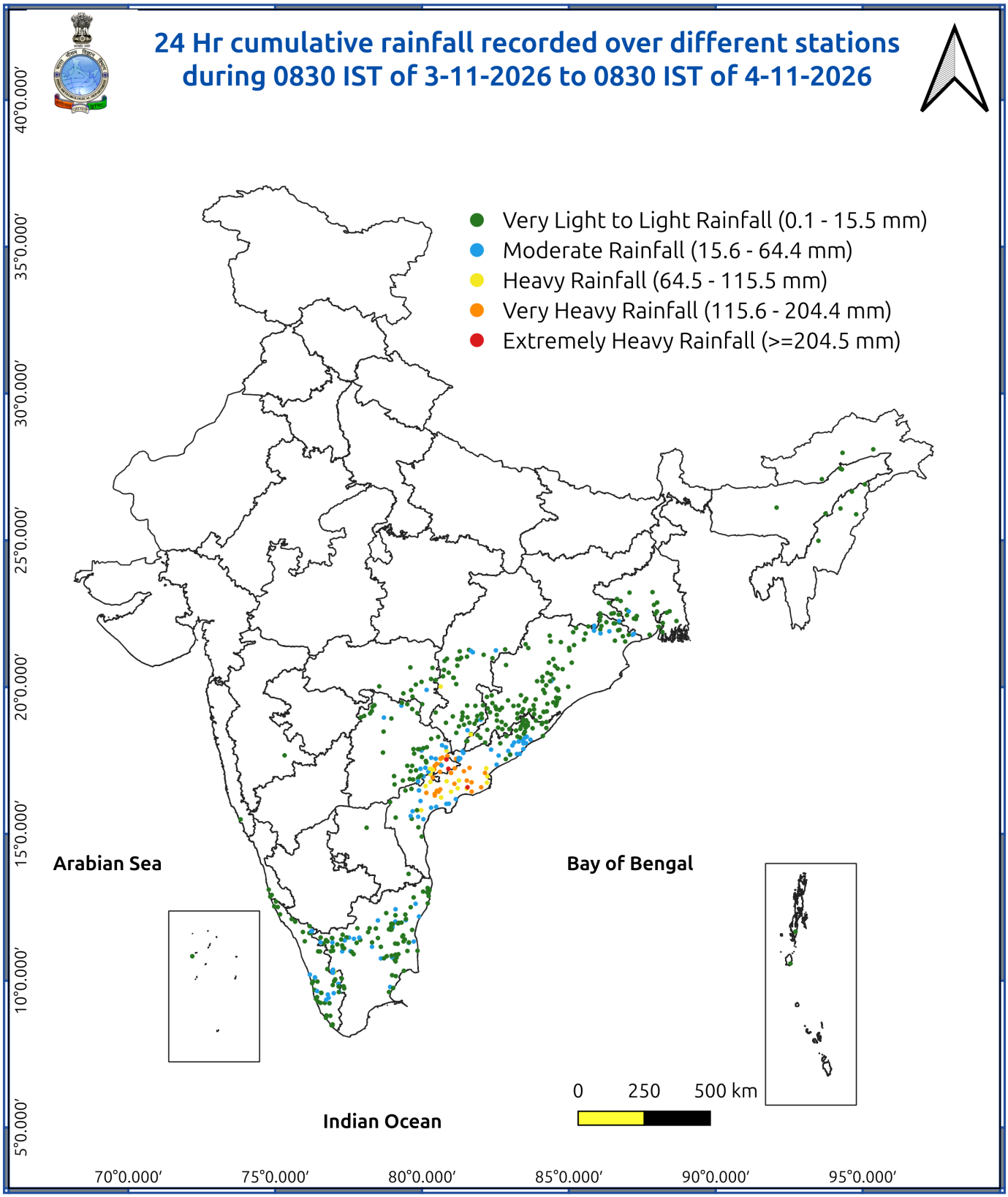


Fig. 4: Departure of Minimum Temp. Dated 2026-11-04




24 Hr cumulative rainfall recorded over different stations
during 0830 IST of 3-11-2026 to 0830 IST of 4-11-2026
Very Light to Light Rainfall (0.1 - 15.5 mm)
Moderate Rainfall (15.6 - 64.4 mm)
Heavy Rainfall (64.5 - 115.5 mm)
Very Heavy Rainfall (115.6 - 204.4 mm)
Extremely Heavy Rainfall (>=204.5 mm)
Arabian Sea
Bay of Bengal
Indian Ocean
0 250 500 km
40°0.000′
35°0.000′
30°0.000′
25°0.000′
20°0.000′
15°0.000′
10°0.000′
5°0.000′
70°0.000′
75°0.000′
80°0.000′
85°0.000′
90°0.000′
95°0.000′

Impace and Actions

Impact Expected and Action Suggested due to very heavy / heavy rainfall:

- **Isolated very heavy rainfall also likely over Coastal Andhra Pradesh & Yanam and Telangana on 4th 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.
- Helicopter services to be regulated.

Agromet advisories for various parts of the country

Agromet advisories for likely impact of Heavy / Very Heavy/ Extremely Heavy Rainfall

- In **Coastal Andhra Pradesh**, provide adequate drainage in paddy, groundnut, cotton, red gram, sugarcane, maize, vegetable, banana and papaya fields to prevent waterlogging. Lift lodged rice and vegetable plants after rainfall subsides, and raise and tie lodged sugarcane. Withhold sowing of rabi maize, green gram, black gram, horse gram and sunhemp until optimum soil moisture is attained. Provide mechanical support to banana and papaya plantations and stake young plants and vegetables.
- In **Rayalaseema**, ensure adequate drainage in standing crops and postpone irrigation, fertilizer application and spraying during the rainfall spell.
- In **Telangana**, provide extensive drainage in unharvested rice, maize, cotton, fruits and vegetables field. Postpone harvesting of mature rice, maize, cotton, fruits and vegetables crops and shift the already harvested produce to safer places.
- In **Tamil Nadu**, provide adequate drainage and drain excess water in rice, maize and casuarina and provide mechanical support to banana plantations. Open field drains immediately to prevent root zone waterlogging in sugarcane. Keep the harvested produce to safe and covered places.
- In **Odisha**, maintain adequate drainage from paddy, maize, groundnut, pulses, cotton, sugarcane, vegetables and orchards, particularly in low-lying fields. In lodged paddy, tie panicles into bundles and raise them upright after water recedes.. Provide support to banana and papaya plants, prop sugarcane and stake vegetables and young fruit plants against lodging.
- In **Chhattisgarh**, ensure extensive drainage in mature paddy, groundnut, sesame, vegetables, unharvested maize and pulses to prevent waterlogging. Protect harvested produce in safe, covered places and cover fruit

and vegetable nurseries with polythene sheets or tarpaulins. Stake vine crops and provide support to young plants.

- In **Keralam**, ensure proper drainage in standing crop fields. Undertake rabi rice transplanting only when field conditions are suitable and 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 **South Interior Karnataka**, maintain proper drainage in paddy, ginger and other standing crops. Harvest matured crop immediately wherever feasible and shift the already harvested produce to safer places. Provide mechanical support to banana and papaya plantations and stake young plants and vegetables in areas exposed to gusty winds.

Agromet advisories for likely impact of Thunderstorm / Gusty Winds

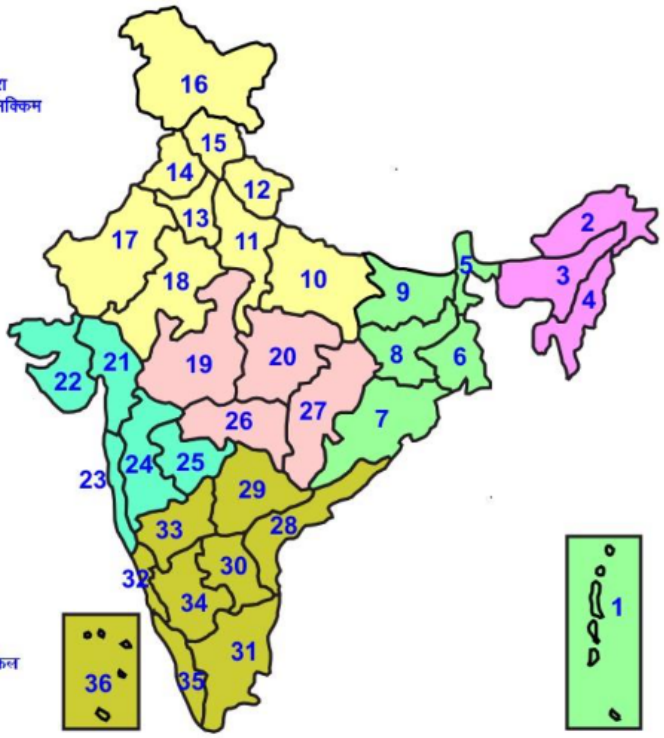
- Shift the harvested produce in safer places or cover the produce with tarpaulin sheets in the fields. Tie the harvested crops securely and cover them to minimize the risk of displacement from strong surface winds.
- Provide mechanical support to horticultural crops and staking or support to vegetables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

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)