



2025-11-14

Time of Issue: 13:35:00 hours IST
(Mid-Day)

ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

Significant Weather Features

Weather, Forecast and Warnings:

- Light to moderate rainfall/thunderstorm at most/many places with **isolated heavy rainfall** very likely over Tamil Nadu and Kerala & Mahe on 14th & during 16th - 18th; over Coastal Andhra Pradesh & Yanam and Rayalaseema on 17th & 18th and over Andaman & Nicobar Islands on 18th & 19th November.
- Thunderstorm with lightning very likely over Tamil Nadu during 14th -18th over Kerala & Mahe on 14th, 17th & 18th; over Coastal Andhra Pradesh & Yanam & Rayalaseema on 16th & 17th with gusty winds (speed reaching 30-50 kmph) likely over Andaman & Nicobar Islands during 16th -19th November.

Forecast of temperature and cold wave and cold day warnings:

- **Cold wave conditions** very likely to prevail in scattered pockets over Madhya Pradesh and Chhattisgarh on 14th & 15th and isolated pockets over Madhya Pradesh and Chhattisgarh on 16th; Uttar Pradesh, Chhattisgarh, Jharkhand and East Rajasthan during 14th – 16th November.
- **Shallow to moderate fog conditions** likely over Northeast India and Uttar Pradesh during next 5 days.
- No large change in minimum temperature likely over West India during next 24 hours and thereafter fall by 3-4°C.
- No large change in minimum temperature likely over the remaining parts of the country during the forecast period.

***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)

Main Weather Observations:

❖ **Rainfall distribution** (from 0830 hours IST of yesterday to 0830 hours IST of today): **at many places** over Andaman & Nicobar Islands; **at a few places** over Tamil Nadu, Puducherry & Karaikal and Coastal Karnataka; **at isolated places** over Nagaland, Manipur, Mizoram & Tripura, Coastal Andhra Pradesh & Yanam, Rayalaseema, South Interior Karnataka and Kerala & Mahe; **Dry** over rest of the country.

❖ **Significant rainfall recorded(in cm)** (from 0830 hours IST of yesterday to 0830 hours IST of today): **Tamil Nadu, Puducherry & Karaikal**: Mandapam (dist Ramanathapuram) 7; Pamban (dist Ramanathapuram), Ramanathapuram (dist Ramanathapuram), Alakarai Estate (dist Nilgiris) 5 Each; Chengam (dist Tiruvannamalai), Kil Kotagiri Estate (dist Nilgiris), Oothu (dist Tirunelveli) 4 Each; Ottapadiram (dist Toothukudi), Thiruchendur AWS (dist Toothukudi), Vepur (dist Cuddalore), Sathiar (dist Madurai), Thangachimadam (dist Ramanathapuram), Kakkachi (dist Tirunelveli), Manjolai (dist Tirunelveli), Nalumukku (dist Tirunelveli) 3 Each; Kadaladi (dist Ramanathapuram), Maniyachi (dist Toothukudi), Srivaikuntam (dist Toothukudi), Surangudi (dist Toothukudi), Tiruchendur (dist Toothukudi), Tuticorin (dist Toothukudi), Coonoor PTO (dist Nilgiris), Tuticorin Airport ARG (dist Toothukudi), Tuticorin Rly ARG (dist Toothukudi), Kayalpattinam (dist Toothukudi), Thenparanadu (dist Trichy), Katpadi (dist Vellore), Puthu Vettakudi (dist Perambalur), Adar Estate (dist Nilgiris), Sirukudi (dist Trichy) 2 Each; **Kerala & Mahe**: Kudulu (dist Kasargod) 6; Kochi IAF (dist Ernakulam) 5; Piravam (dist Ernakulam), Bayar AWS (dist Kasargod) 2 Each; **Coastal Karnataka**: Mudubidre (dist Dakshina Kannada), Puttur HMS (dist Dakshina Kannada) 2 Each.

❖ **Heavy Rainfall observed** (from 0830 hours IST of yesterday to 0830 hours IST of today): **Heavy rain** at isolated places over Tamil Nadu.

❖ **Minimum Temperature Departures (as on 14-11-2025)**: **Minimum temperatures** are in range less than 6°C at a few places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, over isolated pockets of Himachal Pradesh and Uttarakhand, with 7-10°C at a few places over Punjab, at isolated places over north Haryana, northeast Rajasthan, Madhya Maharashtra, Madhya Pradesh, north Chhattisgarh, Uttar Pradesh, Jharkhand and Odisha.

Minimum Temperature are **markedly below normal (-5.1°C or less)** at a few places over Madhya Pradesh, Chhattisgarh; at isolated places over East Rajasthan, Jharkhand, Vidarbha, Madhya Maharashtra, Marathwada, Telangana, Uttar Pradesh, Haryana-Chandigarh-Delhi, Odisha. **The lowest minimum temperature of 6.0°C is reported at Sikar (East Rajasthan) over the plains of India.**

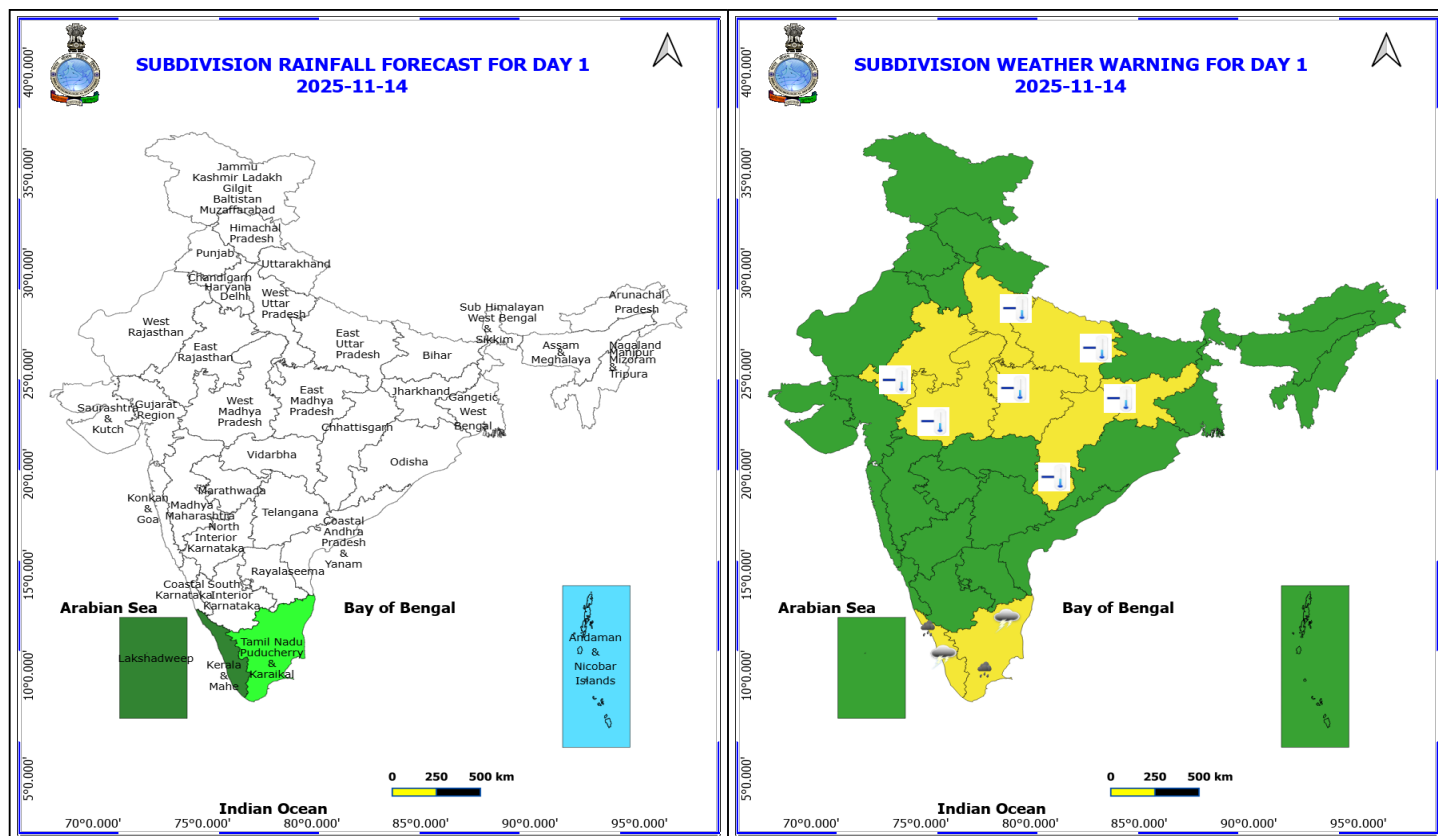
❖ **Maximum Temperature Departures (as on 13-11-2025)**: **The highest maximum temperature** of 34.6°C is reported at RATNAGIRI (MAHARASHTRA).

Meteorological Analysis (Based on 0830 hours IST)

- The **upper air cyclonic circulation** over southwest Bay of Bengal off south Sri Lanka, now lies over south Sri Lanka & adjoining southwest Bay of Bengal extending upto 4.5 km above mean sea level tilting southwestward with height.
- The **upper air cyclonic circulation** over Comorin Area between 3.1 & 4.5 km above mean sea level has merged with the above cyclonic circulation over south Sri Lanka and adjoining southwest Bay of Bengal.
- The **upper air cyclonic circulation** over south Bangladesh & neighbourhood at 1.5 km above mean sea level persists.
- The **Western Disturbance** as an **upper air cyclonic circulation** over Ladakh & neighbourhood at 5.8 km above mean sea level has become less marked.

Weather Outlook for subsequent 3 days

- fairly widespread to widespread rainfall activity likely over Tamil Nadu, Kerala and Islands.
- Isolated to Scattered rainfall activity over Coastal Andhra Pradesh, Coastal Karnataka and South Interior Karnataka.



14 November (Day 1)

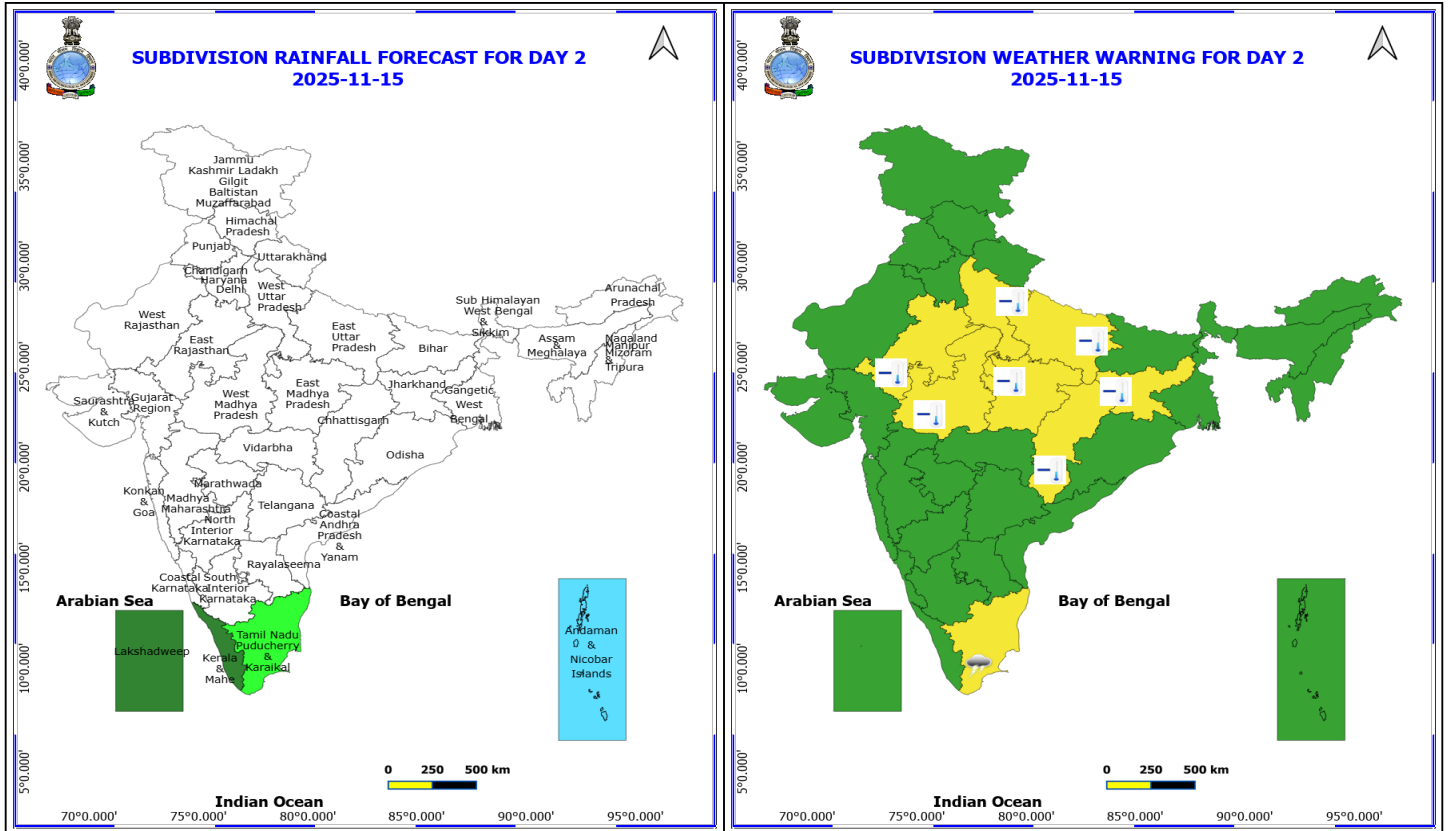
- ❖ **Heavy Rainfall** very likely at isolated places over Kerala & Mahe and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Kerala & Mahe and Tamil Nadu Puducherry & Karaikal.
- ❖ **Cold wave conditions** very likely at a few places over Chhattisgarh, Madhya Pradesh; at isolated places over East Rajasthan, Jharkhand and Uttar Pradesh.
- Squally weather with wind speeds reaching 35 kmph to 45 kmph gusting to 55 kmph will prevail along and off Sri Lanka coast, adjoining & many parts of southwest Bay of Bengal, Gulf of Mannar, adjoining Comorin area.

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

Forecast and warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day

For more details kindly visit <https://mausam.imd.gov.in> or contact 011-2434-4599

(Service to the nation since 1875)



15 November (Day 2)

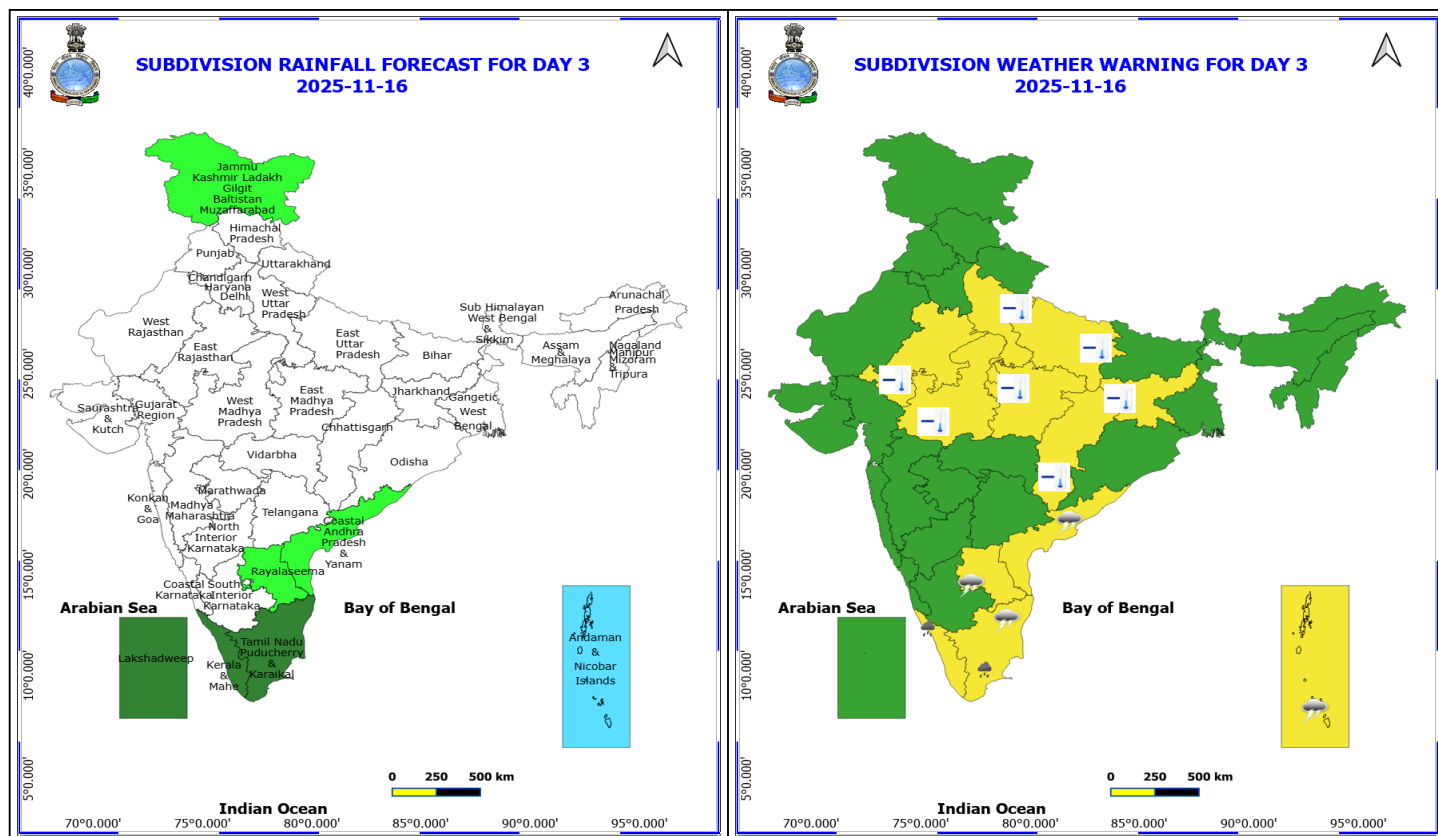
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Tamil Nadu Puducherry & Karaikal.
- ❖ **Cold wave conditions** very likely at a few places over Chhattisgarh, Madhya Pradesh; at isolated places over East Rajasthan, Jharkhand and Uttar Pradesh.
- Squally weather with wind speeds reaching 35 kmph to 45 kmph gusting to 55 kmph will prevail over Gulf of Mannar, adjoining Comorin area, along and off south & adjoining north Tamil Nadu coast.

***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)



16 November (Day 3)

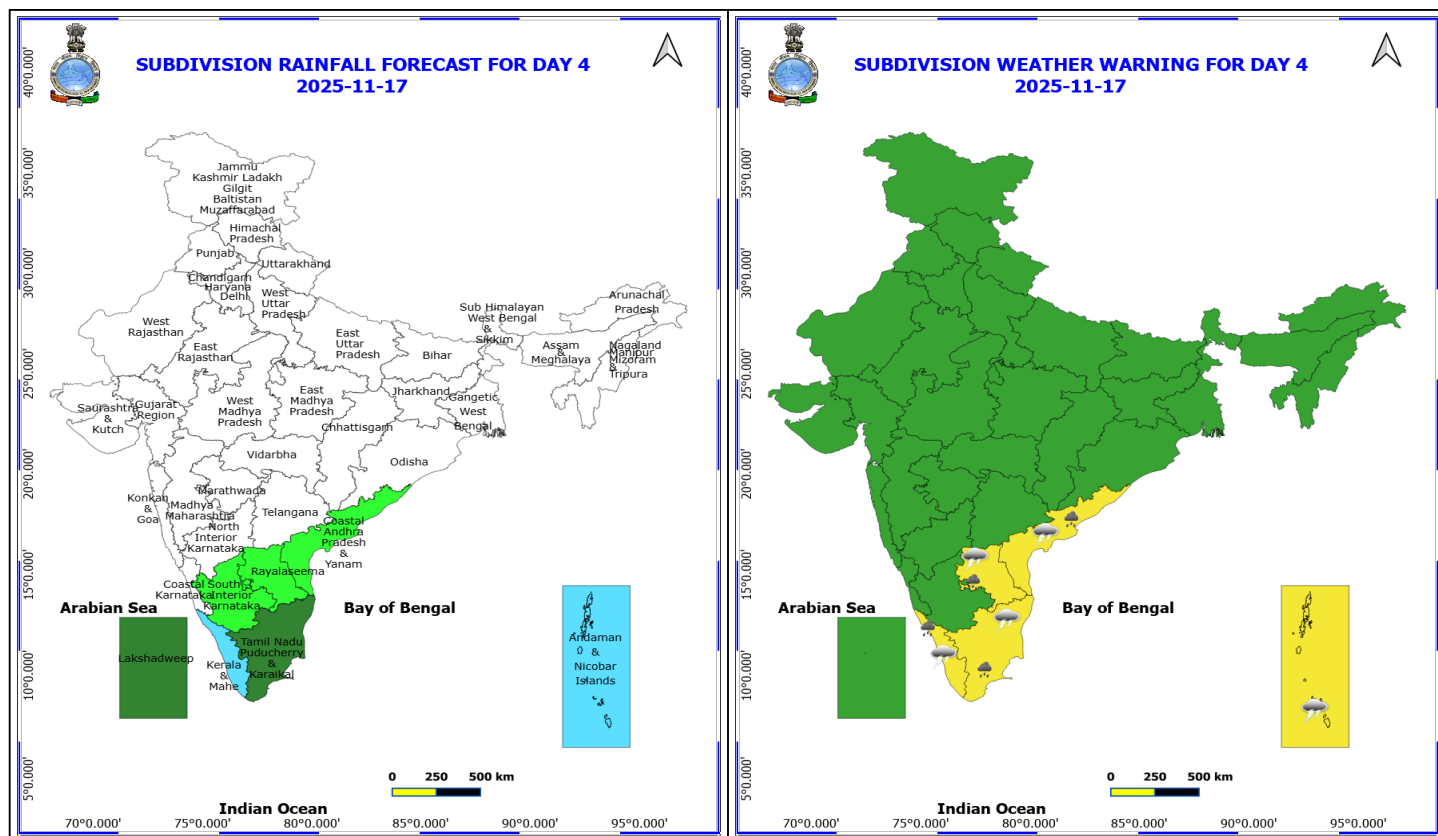
- ❖ **Heavy Rainfall** very likely at isolated places over Kerala & Mahe and Tamil Nadu Puducherry & Karaikal.
 - ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Andaman & Nicobar Islands.
 - ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Andhra Pradesh and Tamil Nadu Puducherry & Karaikal.
 - ❖ **Cold wave conditions** very likely at isolated places over Chhattisgarh, East Rajasthan, Jharkhand, Madhya Pradesh and Uttar Pradesh.
- Squally weather with wind speeds reaching 35 kmph to 45 kmph gusting to 55 kmph will prevail over Gulf of Mannar, adjoining Comorin area, along and off south & adjoining north Tamil Nadu coast.

***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)



17 November (Day 4)

- ❖ **Heavy Rainfall** likely at isolated places over Andhra Pradesh, Kerala & Mahe and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Andaman & Nicobar Islands.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Andhra Pradesh, Kerala & Mahe and Tamil Nadu Puducherry & Karaikal.

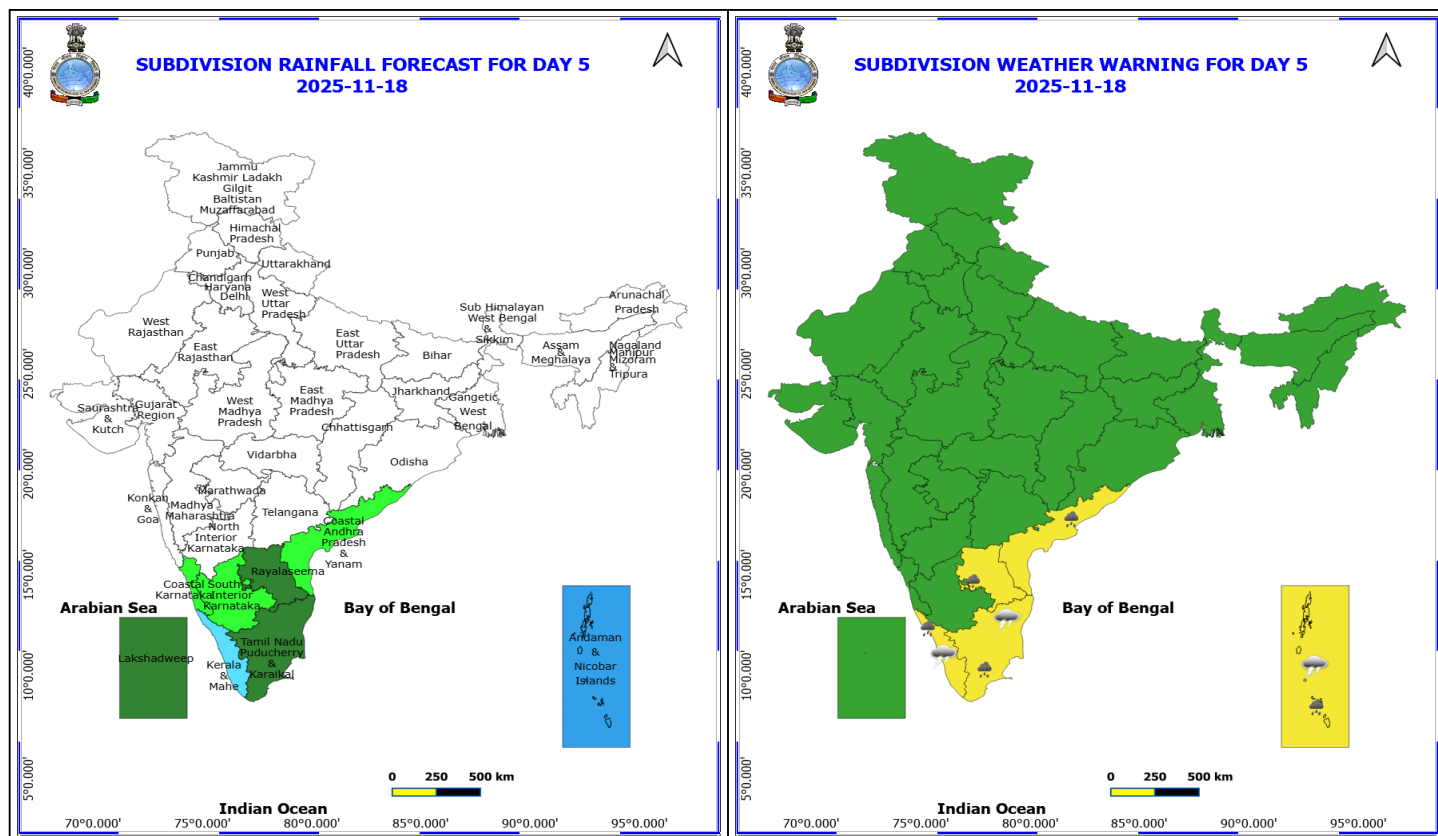
No Fishermen Warning

***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)



18 November (Day 5)

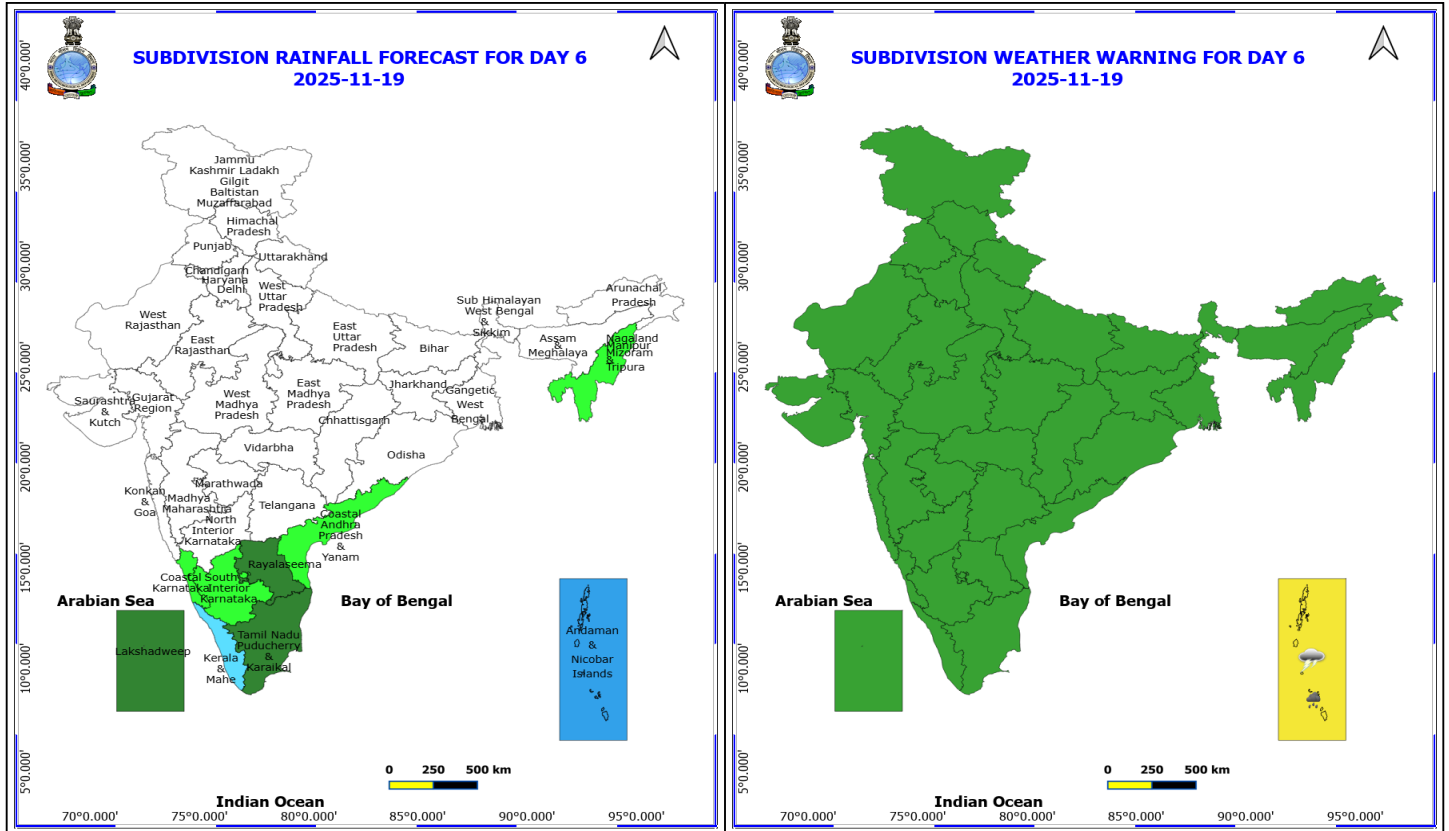
- ❖ **Heavy Rainfall** likely at isolated places over Andaman & Nicobar Islands, Andhra Pradesh, Kerala & Mahe and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Andaman & Nicobar Islands.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Kerala & Mahe and Tamil Nadu Puducherry & Karaikal.
- Squally weather with wind speeds reaching 35 kmph to 45 kmph gusting to 55 kmph will prevail over Andaman Sea.

***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

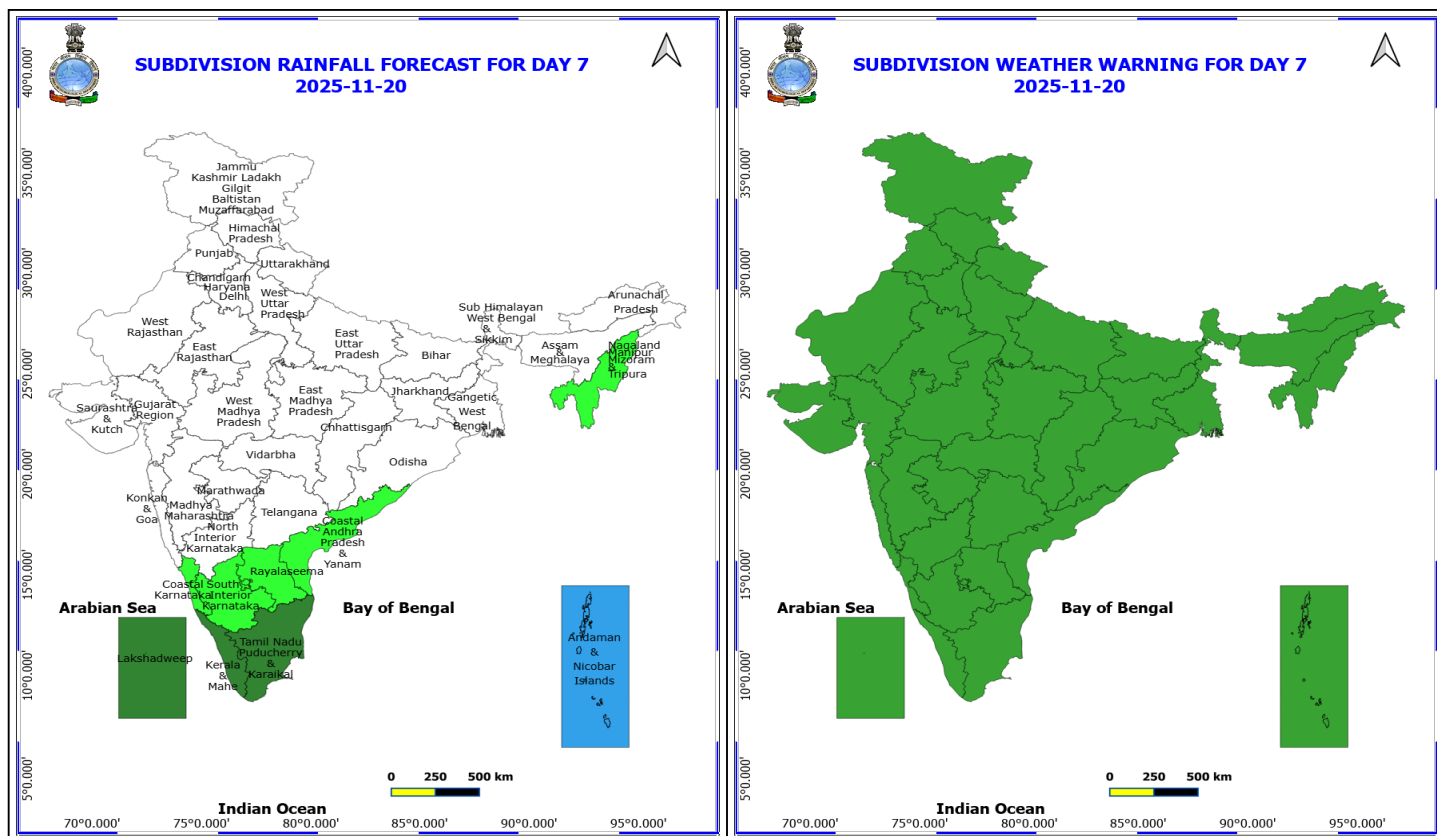
(Service to the nation since 1875)



19 November (Day 6)

- ❖ **Heavy Rainfall** likely at isolated places over Andaman & Nicobar Islands.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Andaman & Nicobar Islands.

No Fishermen Warning



20 November (Day 7)

No Warning

No Fishermen Warning

*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)



Table-1

7 Days Rainfall Forecast

S.No.	Subdivision	14- Nov	15- Nov	16- Nov	17- Nov	18- Nov	19- Nov	20- Nov
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	FWS	FWS	FWS	FWS	WS	WS	WS
2	ARUNACHAL PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
3	ASSAM & MEHGHALAYA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
4	N. M. M. & T.	DRY	DRY	DRY	DRY	DRY	ISOL	ISOL
5	S.H. WEST BENGAL & SIKKIM	DRY	DRY	DRY	DRY	DRY	DRY	DRY
6	GANGETIC WEST BENGAL	DRY	DRY	DRY	DRY	DRY	DRY	DRY
7	ODISHA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
8	JHARKHAND	DRY	DRY	DRY	DRY	DRY	DRY	DRY
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	DRY
15	HIMACHAL PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
16	JAMMU AND KASHMIR AND LADAKH	DRY	DRY	ISOL	DRY	DRY	DRY	DRY
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	ISOL	ISOL	ISOL
29	TELANGANA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
30	RAYALASEEMA	DRY	DRY	ISOL	ISOL	SCT	SCT	ISOL
31	TAMILNADU & PUDUCHERRY	ISOL	ISOL	SCT	SCT	SCT	SCT	SCT
32	COSTAL KARNATAKA	DRY	DRY	DRY	DRY	ISOL	ISOL	ISOL
33	NORTH INTERIOR KARNATAKA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
34	SOUTH INTERIOR KARNATAKA	DRY	DRY	DRY	ISOL	ISOL	ISOL	ISOL
35	KERALA	SCT	SCT	SCT	FWS	FWS	FWS	SCT
36	LAKSHDWEAP	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 2025-11-13

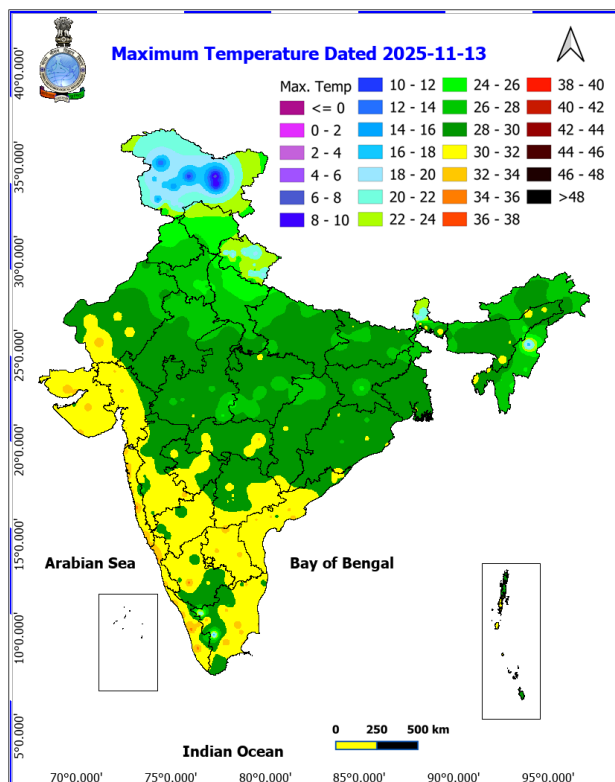


Fig. 2: Departure of Maximum Temp. Dated 2025-11-13

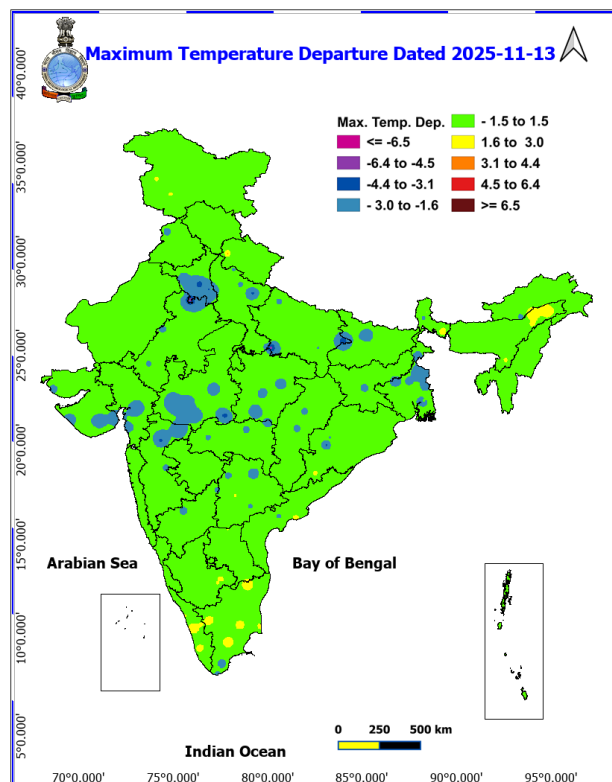


Fig. 3: Minimum Temperatures Dated 2025-11-14

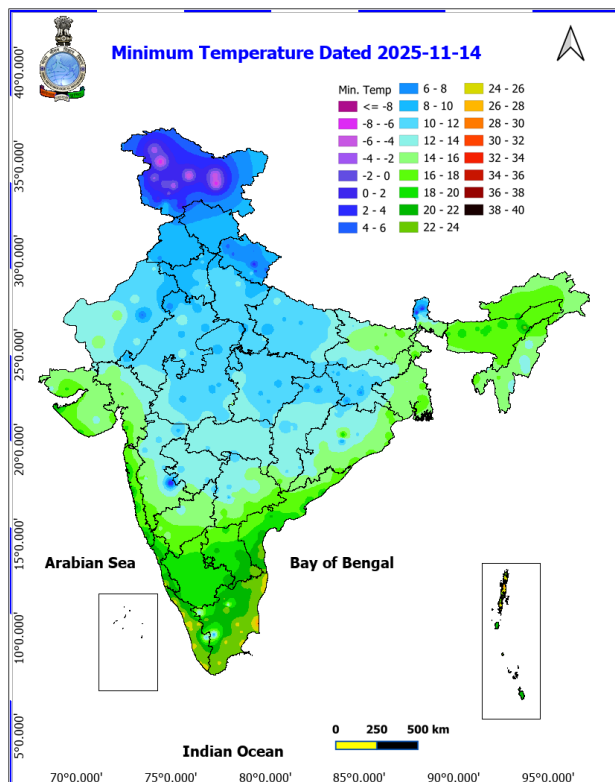
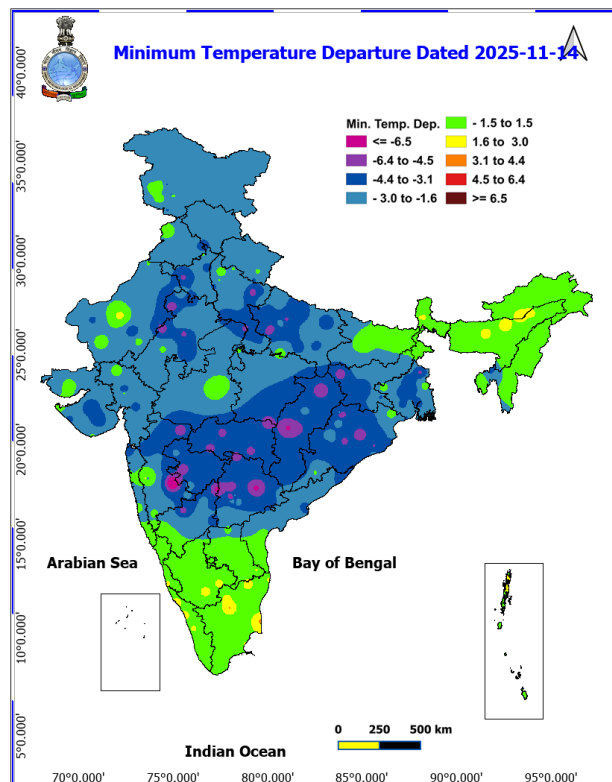
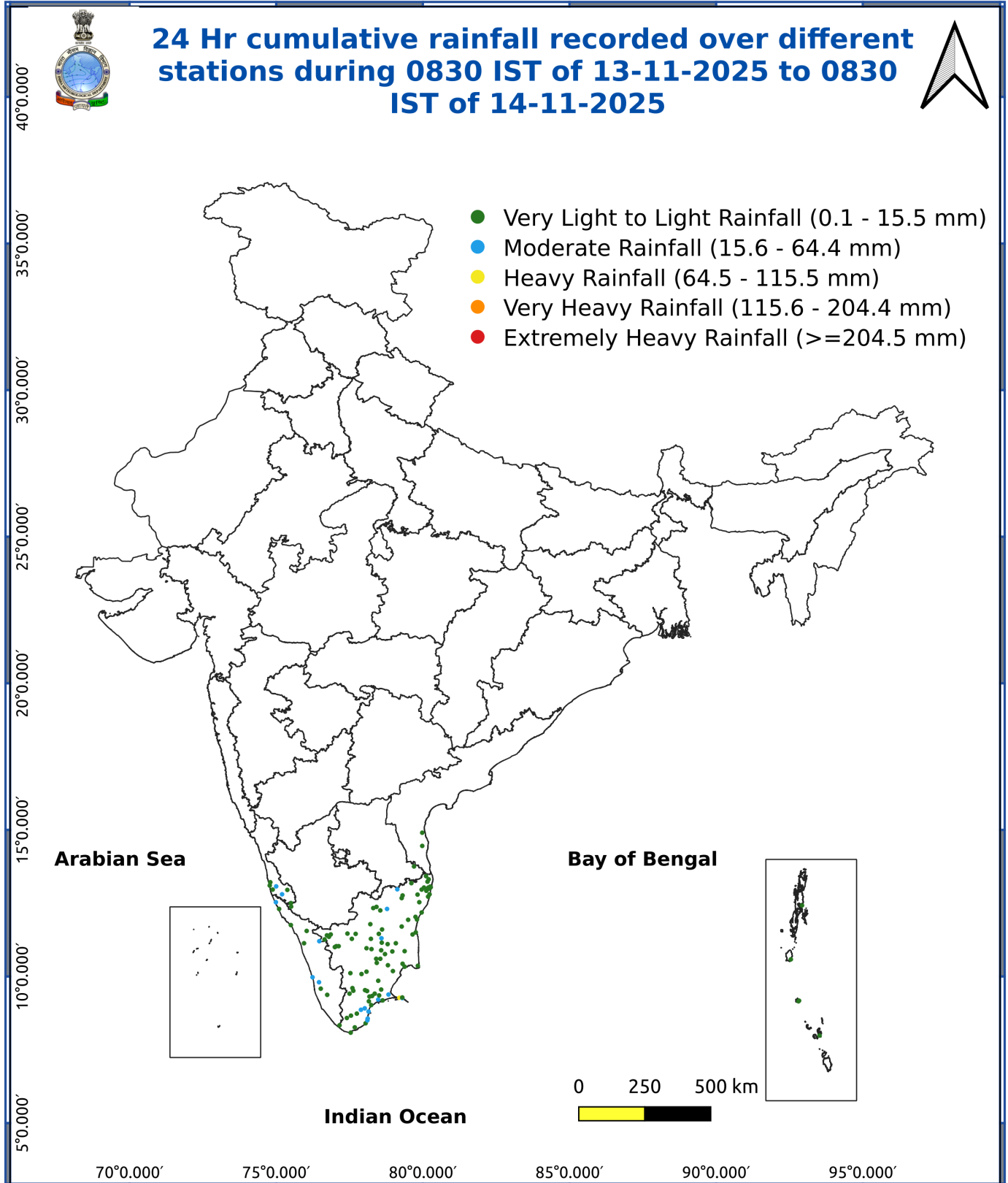


Fig. 4: Departure of Minimum Temp. Dated 2025-11-14





***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)

Impact expected due to Cold Day/Severe Cold day conditions:

Cold wave conditions very likely over Madhya Pradesh, Chhattisgarh, Jharkhand, Uttar Pradesh and East Rajasthan during 14th - 16th November.

Impact Expected:

- An increased likelihood of various illnesses like flu, running/ stuffy nose or nosebleed, which usually set in or get aggravated due to prolonged exposure to cold.
- Do not ignore shivering. It is the first sign that the body is losing heat. Get Indoors.
- Frostbite can occur due to prolonged exposure to cold. The skin turns pale, hard and numb and eventually black blisters appear on exposed body parts such as fingers, toes, nose and or earlobes. Severe frostbite needs immediate medical attention and treatment.
- Impact on agriculture, crop, livestock, water supply, transport and power sector at some places.

Action suggested:

- Wear several layers of loose fitting, light weight; warm woollen clothing.
- Cover your head, neck, hands and toes adequately as majority of heat loss occurs through these body parts. Wear several layers of loose fitting, light weight; warm Woollen clothing rather than one layer of heavy cloth.
- Eat vitamin-C rich fruits & vegetable and drink sufficient fluids preferably warm fluids to maintain adequate immunity.
- Avoid or limit outdoor activities.
- Keep dry, if wet, change cloths immediately to prevent loss of body heat. Wear insulated/waterproof shoes.
- Warm the affected area of the body slowly with lukewarm water; do not rub the skin vigorously.
- If the affected skin area turns black, immediately consult a doctor.
- Maintain ventilation while using Heaters to avoid inhaling toxic fumes.
- Take safety measures while using electrical and gas heating devices.
- Extreme care needed for vulnerable people.
- Seek medical attention as soon as possible for someone suffering from frostbite/ Hypothermia.
- Protect livestock from cold weather.

Agromet advisories for various parts of the country

Agromet advisories for likely impact of Heavy Rainfall / Cold Wave

- In **Tamil Nadu**, harvest matured rice and groundnut crops only during clear weather and store the harvested produce in safer places. Make arrangements to drain out excess water from fields of rice, sugarcane, cotton, black gram, maize and vegetables and plantations of coconut, banana and black pepper to avoid water stagnation. Provide support to banana plants with wooden poles to prevent them from falling.
- In **Uttar Pradesh, East Rajasthan, Madhya Pradesh, Chhattisgarh and Jharkhand**, apply light and frequent irrigation to the standing crops in the evening to protect the crops from low temperature stress or cold injuries. Use mulching and cover vegetable nurseries and young fruit plants with straw / polythene sheets to maintain optimum soil temperature.

Livestock / Fishery

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

Agromet advisories for likely impact of Thunderstorm / Gusty Winds

***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

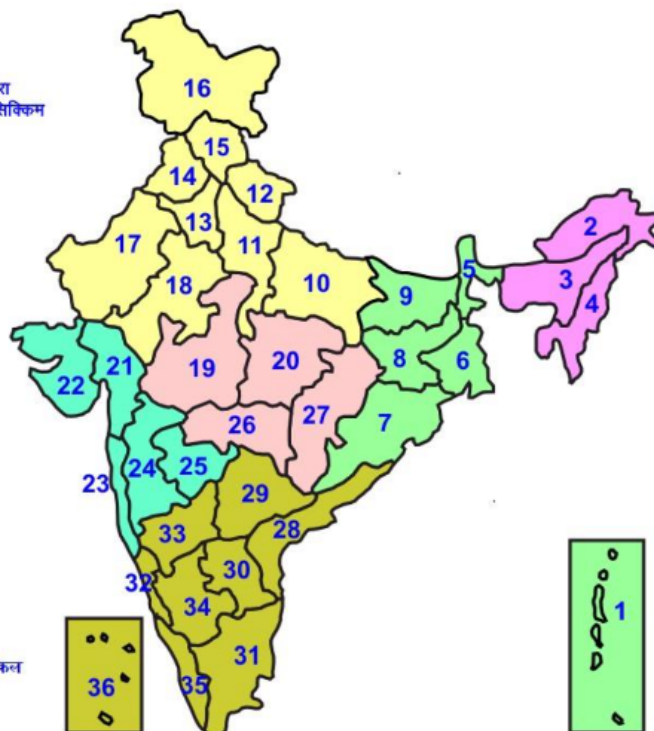
(Service to the nation since 1875)



- 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 चंडीगढ़ 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 कोकण एवं गोवा
- 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 | 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"

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



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 at least 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)

*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)