

2025-12-01

Time of Issue: 14:10:00 hours IST
(Mid-Day)

ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

Significant Weather Features

Weather Systems, Forecast and Warnings

- Under the influence of The Cyclonic Storm Ditwah over southwest Bay of Bengal and adjoining, heavy rainfall likely over Coastal Andhra Pradesh & Yanam, Rayalaseema on 01st & 02nd December, Kerala & Mahe on 03rd December with isolated heavy to very heavy rainfall likely over north coastal Tamil Nadu and Coastal Andhra Pradesh & Yanam on 01st December.
- Isolated to scattered rainfall accompanied with **thunderstorm, lightning likely** over Tamil Nadu, Kerala & Mahe Coastal Andhra Pradesh & Yanam, Rayalaseema during 01st-04th December.
- Strong surface wind (40-50 kmph) is likely prevailed over Tamil Nadu, Coastal Andhra Pradesh & Yanam and Rayalaseema on 01st December.

Temperature Conditions during past 24 hours till 0830 hours IST of today:

- **Minimum temperatures** are in the range of **less than 6°C** at most places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad; at isolated places over Haryana Chandigarh & Delhi, Uttarakhand and Himachal Pradesh; in the **range of 6°-10°C** at many places over Uttar Pradesh; at few places over Rajasthan and Madhya Pradesh and at isolated places over Maharashtra. **The lowest minimum temperature of 3.5 °C is reported at Hissar (Haryana) over the plains of India.**
- **Minimum Temperature were** below normal (-1.6°C to -3.0°C) at most places over Haryana Chandigarh & Delhi, at many places over Madhya Maharashtra, Marathwada and Konkan & Goa; at a few places over West Uttar Pradesh; at isolated places over East Uttar Pradesh, West Madhya Pradesh, Telangana and Vidarbha.

Forecast of minimum temperatures:

- Gradual fall in minimum temperature likely by 2-3°C over Northwest India during next 4 days and no large change thereafter.
- No large change in minimum temperature likely over Central India for next 48 hours, fall by 2-3°C during subsequent 3 days and no large change thereafter.
- No large change in minimum temperature likely for next 24 hours over East India, fall by 2-3 °C during subsequent 4 days and no large change thereafter.

Dense Fog & Cold wave warning Warnings:

- **Cold wave conditions** very likely to prevail in isolated pockets over Punjab and Haryana, Chandigarh & Delhi during 02nd -06th; north Madhya Maharashtra on 02nd & 03rd and north Rajasthan during 04th -06th December, 2025.
- **Dense fog conditions** very likely to prevail during early morning hours in isolated pockets of Manipur on 02nd and 03rd; over Meghalaya on 02nd, over Himachal Pradesh and Odisha on 03rd & 04th December.

Wind Warning, Sea Condition, Fisherman Warning:

Wind Warning

(a) Southwest and adjoining westcentral Bay of Bengal and along & off north Tamil Nadu, Puducherry and South Andhra Pradesh Coasts

Squally wind speed reaching 50-60 gusting to 70 kmph is prevailing and it is likely to decrease gradually becoming 45-55 gusting to 65 kmph by 1st December evening and 40-50 gusting to 60 kmph by 2nd December morning.

(b) Along & off south Tamil Nadu coast, Gulf of Mannar, Comorin area and along & off north Sri Lanka coast

Squally wind speed reaching 45-55 gusting to 65 kmph is prevailing and it is likely to decrease gradually becoming

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40-50 gusting to 60 kmph by 2nd December morning.

Sea Condition:

(a) Southwest and adjoining westcentral Bay of Bengal and along & off north Tamil Nadu, Puducherry and South Andhra Pradesh Coasts:

Very rough to rough sea conditions are likely to prevail on 01st December, becoming rough by 2nd December morning and to gradually improve thereafter.

(b) Along & off south Tamil Nadu coast, Gulf of Mannar, Comorin area and along & off north Sri Lanka coast

Very rough to rough sea conditions are likely to prevail on 01st December. It would gradually improve becoming rough on 2nd December and gradually improve thereafter.

Fishermen Warning:

Total suspension of fishing operations over southwest and adjoining westcentral Bay of Bengal and along & off Tamil Nadu, Puducherry and south coastal Andhra Pradesh & north Sri Lanka, Gulf of Mannar, Comorin area till 2nd December morning.

(b) Those out at sea should avoid southwest and adjoining westcentral Bay of Bengal and along & off Tamil Nadu, Puducherry and south coastal Andhra Pradesh & north Sri Lanka, Gulf of Mannar, Comorin area till 2nd December morning.

In addition to the fishermen warnings associated with the system over the southwest bay of bengal, the fishermen warnings are included as below:

Squally wind with wind speed 45 kmph to 55 kmph gusting to 65 kmph will prevail along and off somalia coast on day 1.

Swell surge/high wave warnings: -nil.

Main Weather Observations:

❖ **Rainfall distribution** (from 0830 hours IST of yesterday to 0830 hours IST of today): **at many places** over Coastal Andhra Pradesh & Yanam and Rayalaseema; **at a few places** over Tamil Nadu, Puducherry & Karaikal; **at isolated places** over Odisha, Chhattisgarh, Telangana, 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): **Coastal Andhra Pradesh & Yanam**: Kavali (dist Spsr Nellore) 11; Atmakur (dist Spsr Nellore) 5; Rapur (dist Spsr Nellore), Nellore (dist Spsr Nellore) 4 Each; Kandukur (dist Spsr Nellore), Kakinada (dist Kakinada) 3 Each; Narsapuram (dist West Godavari), Amalapuram (dist B R Ambedkar Konaseema), Yanam (dist Yanam) 2 Each; **Tamil Nadu, Puducherry & Karaikal**: Mahabalipuram (dist Chengalpattu) 6; Kollidam (dist Mayiladuthurai), Sirkali (dist Mayiladuthurai), Annamalai Nagar (dist Cuddalore) 4 Each; Dgp Office (dist Chennai), Chidambaram (dist Cuddalore), Tarangambadi (dist Mayiladuthurai), Karaikal (dist Karaikal), Theni Andipatti (dist Theni), Ennore AWS (dist Tiruvallur), Thirukalukundram (dist Chengalpattu), Gummidipoondi (dist Tiruvallur) 3 Each; Chennai(n) (dist Chennai), Parangipettai (dist Cuddalore), Sethiathope (dist Cuddalore), Cheyyur (dist Chengalpattu), Kelambakkam (dist Chengalpattu), Maduranthagam (dist Chengalpattu), Mayiladuthurai (dist Mayiladuthurai), Cholavaram (dist Tiruvallur), Ponneri (dist Tiruvallur), Vanur (dist Villupuram), Chidambaram AWS (dist Cuddalore), Puzhal ARG (dist Tiruvallur), Bhuvanagiri (dist Cuddalore), Thirupporur (dist Chengalpattu), Hindusthan University (dist Chengalpattu), Manalmedu (dist Mayiladuthurai), Ambathur (dist Chennai), Sholinganallur (dist Chennai), Perambur (dist Chennai), Mgr Nagar (dist Chennai), Chennai Collectorate Bu (dist Chennai), Cd Hospital Tondaipet (dist Chennai), Velankanni (dist Nagapattinam), Avadi (dist Tiruvallur), Sembanarkoil PWD (dist Mayiladuthurai) 2 Each; **Rayalaseema**: Venkatagiri (dist Tirupati), Gudur (dist Tirupati), Thottambedu (dist Tirupati), Kodur (dist Ysr District) 4 Each; Srikalahasti (dist Tirupati), Sullurpeta (dist Tirupati) 3 Each; Rajampet (dist Annamayya District), Tirupati AP (dist Tirupati) 2 Each.

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

❖ **Fog Condition Observed (at 0830 hours of today): Dense fog conditions:** at isolated places over Assam & Meghalaya and Meghalaya.

❖ **Visibility reported (at 0830 hours of today): Assam & Meghalaya:** Barapani-50 m, **Meghalaya: Imphal-100 m.**

❖ **Minimum Temperature Departures (as on 01-12-2025):** below normal (-1.6°C to -3.0°C) at most places over Haryana Chandigarh & Delhi, at many places over Madhya Maharashtra, Marathwada and Konkan & Goa; at a few places over West Uttar Pradesh; at isolated places over East Uttar Pradesh, West Madhya Pradesh, Telangana and Vidarbha. **The lowest minimum temperature of 3.5 °C is reported at Hissar (Haryana) over the plains of India.**

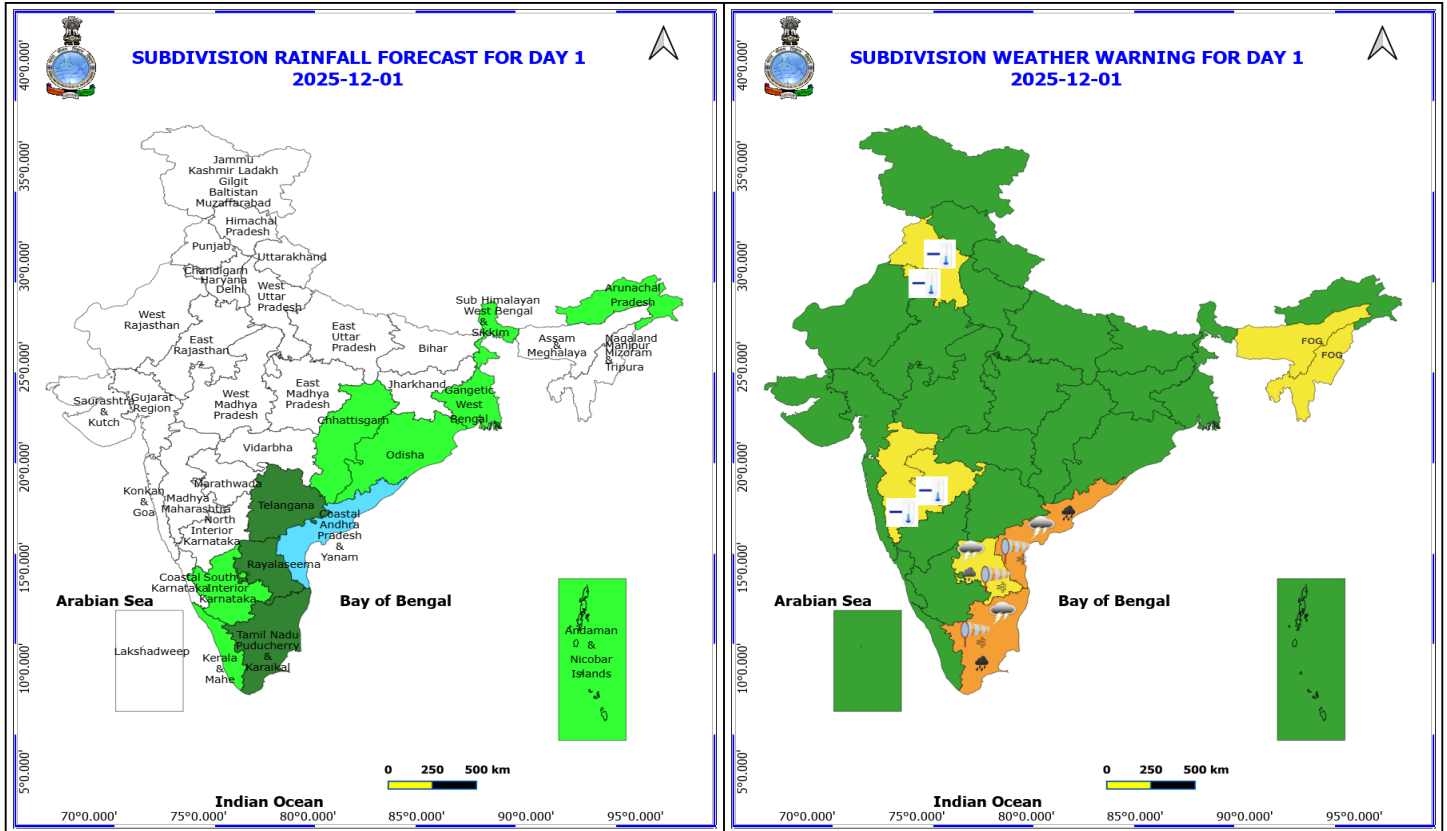
❖ **Maximum Temperature Departures (as on 30-11-2025):** below normal(-1.6°C to -3.0°C) at isolated places over Rayalaseema. **The highest maximum temperature of 35.2°C is reported at KARWAR (KARNATAKA).**

Meteorological Analysis (Based on 0830 hours IST)

- The **Deep Depression (Remnant of Cyclonic Storm Ditwah)** over southwest Bay of Bengal and adjoining north Tamil Nadu-Puducherry coasts moved slowly northwards with the speed of 05 kmph during past 6 hours and lay centered at 0830 hrs IST of today, the 01st December 2025 over southwest Bay of Bengal and adjoining areas of westcentral Bay of Bengal, North Tamil Nadu-Puducherry & South Andhra Pradesh coasts, near latitude 12.8°N and longitude 80.6°E, about 50 km east-southeast of Chennai (India), 130 km northeast of Puducherry (India), 150 km northeast of Cuddalore (India), 200 km south-southeast of Nellore (India). The minimum distance of the centre of the deep depression from north Tamil Nadu-Puducherry coasts is about 40 km. It is very likely to move slowly northwards parallel to North Tamil Nadu-Puducherry and south Andhra Pradesh coasts and weaken into a depression during next 12 hours. The system will be centered over southwest & adjoining west central Bay of Bengal within a minimum distance of 30 km from the Chennai coast by noon of today, the 01st December.
- The **Western disturbance** now seen as an **upper air cyclonic circulation** over north Pakistan & neighbourhood at 3.1 km above mean sea level with a trough aloft in middle tropospheric level with its axis at 5.8 km above mean sea level roughly along Long. 68°E to the north of Lat. 25°N.
- The **Western disturbance** as an **upper air cyclonic circulation** over North Haryana & neighbourhood has merge with the above western disturbance.
- An **induced cyclonic circulation** lies over north Haryana & neighbourhood and extends upto 1.5 km above mean sea level.
- A **cyclonic circulation** lies over northeast Assam & neighbourhood at 1.5 km above mean sea level.
- A fresh feeble **Western Disturbance** is likely to influence western Himalayan region from 05th December 2025.

Weather Outlook for subsequent 3 days

- Isolated to Scattered rainfall activity over Western Himalayan region, South Kerala, South Tamil Nadu and Islands.



1 December (Day 1)

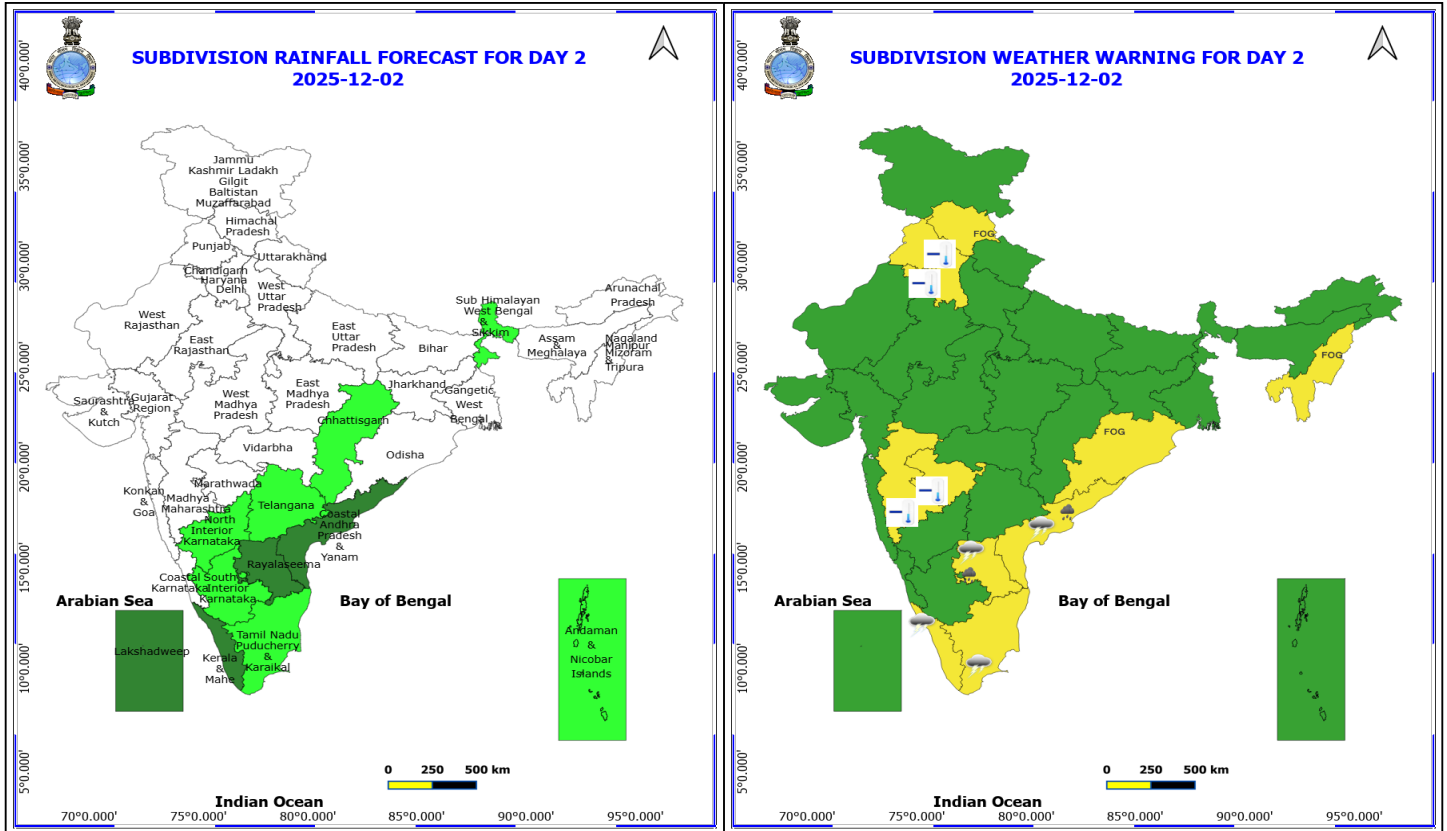
- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Coastal Andhra Pradesh and Tamil Nadu Puducherry & Karaikal.
- ❖ **Heavy Rainfall** very likely at isolated places over Rayalaseema.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Andhra Pradesh.
- ❖ **Strong Surface Winds(40-50kmph)** very likely at isolated places over Andhra Pradesh and Tamil Nadu Puducherry & Karaikal.
- ❖ **Cold wave conditions** very likely at isolated places over Haryana, Chandigarh & Delhi, Madhya Maharashtra, Marathwada and Punjab.
- ❖ **Fog** very likely at isolated pockets over Assam & Meghalaya and Nagaland, Manipur, Mizoram and Tripura.
- ❖ **Squally winds with speed reaching 50-60 kmph gusting to 70 kmph** likely to prevail along and off south coastal andhra pradesh
- ❖ **Squally winds with wind speed 35-45 kmph gusting 55 kmph** likely to prevail along and off north coastal andhra pradesh and yanam

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2 December (Day 2)

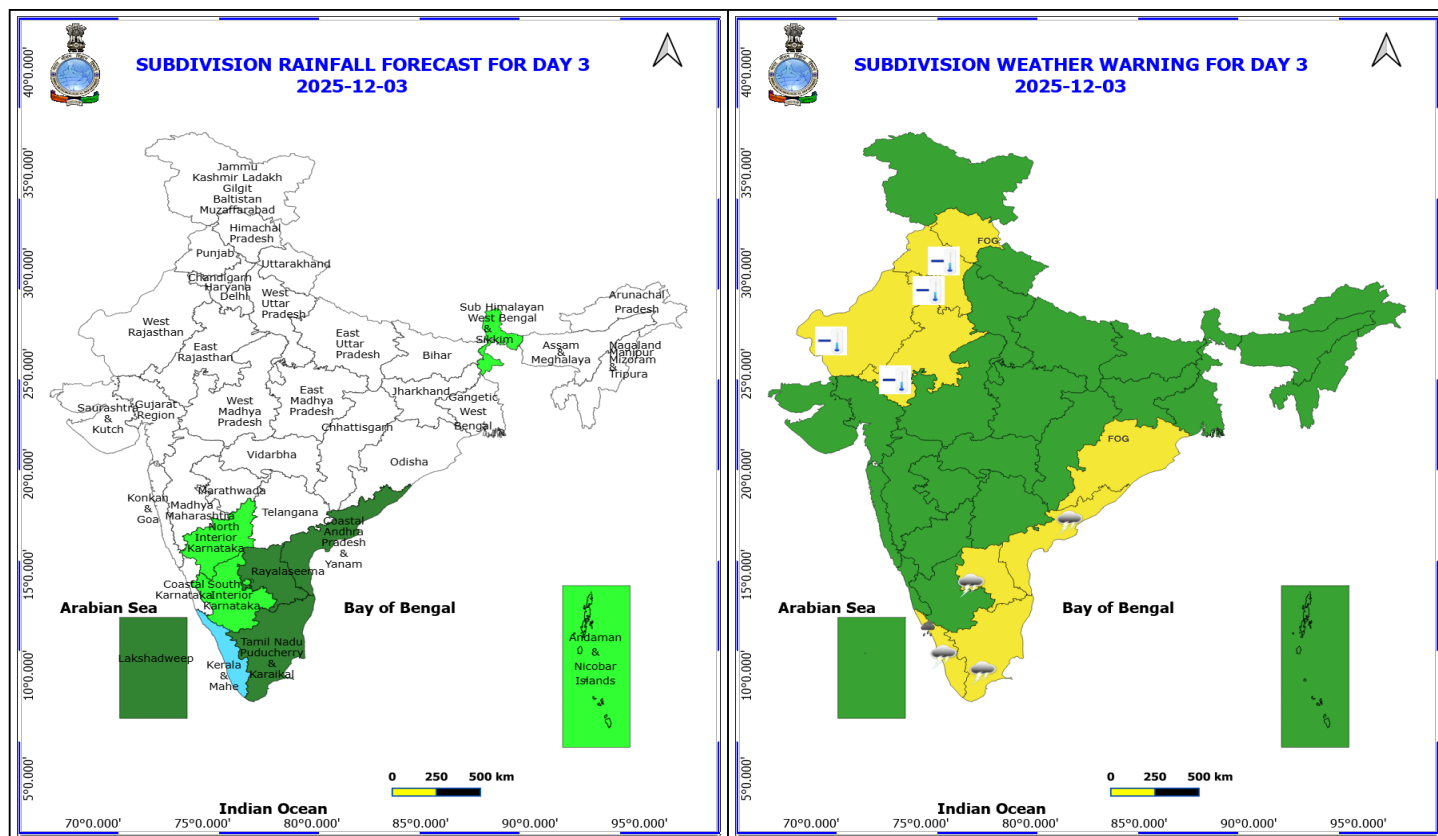
- ❖ **Heavy Rainfall** very likely at isolated places over Andhra Pradesh.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Andhra Pradesh, Kerala & Mahe and Tamil Nadu Puducherry & Karaikal.
- ❖ **Cold wave conditions** very likely at isolated places over Haryana, Chandigarh & Delhi, Madhya Maharashtra, Marathwada and Punjab.
- ❖ **Fog** very likely at isolated pockets over Himachal Pradesh, Nagaland, Manipur, Mizoram and Tripura and Odisha.
- ❖ **Squally winds with speed reaching 50-60 kmph gusting to 70 kmph** likely to prevail along and off south coastal andhra pradesh
- ❖ **Squally winds with wind speed 35-45 kmph gusting 55 kmph** likely to prevail along and off north coastal andhra pradesh and yanam

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3 December (Day 3)

- ❖ **Heavy Rainfall** very likely at isolated places over Kerala & Mahe.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Andhra Pradesh, Kerala & Mahe and Tamil Nadu Puducherry & Karaikal.
- ❖ **Cold wave conditions** very likely at isolated places over Haryana, Chandigarh & Delhi, Punjab and Rajasthan.
- ❖ **Fog** very likely at isolated pockets over Himachal Pradesh and Odisha.

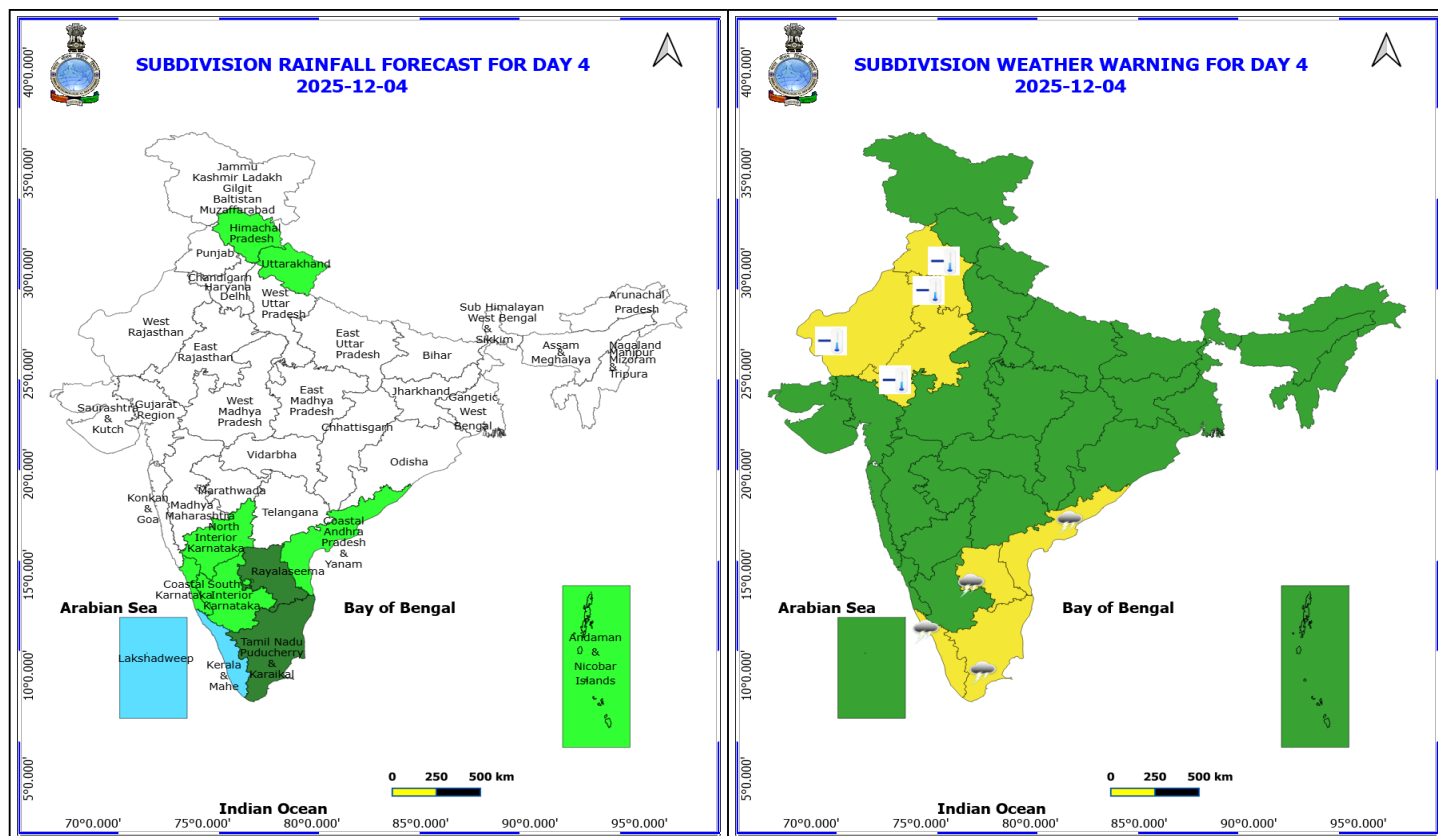
No Fishermen Warning

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4 December (Day 4)

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

❖ **Cold wave conditions** likely at isolated places over Haryana, Chandigarh & Delhi, Punjab and Rajasthan.

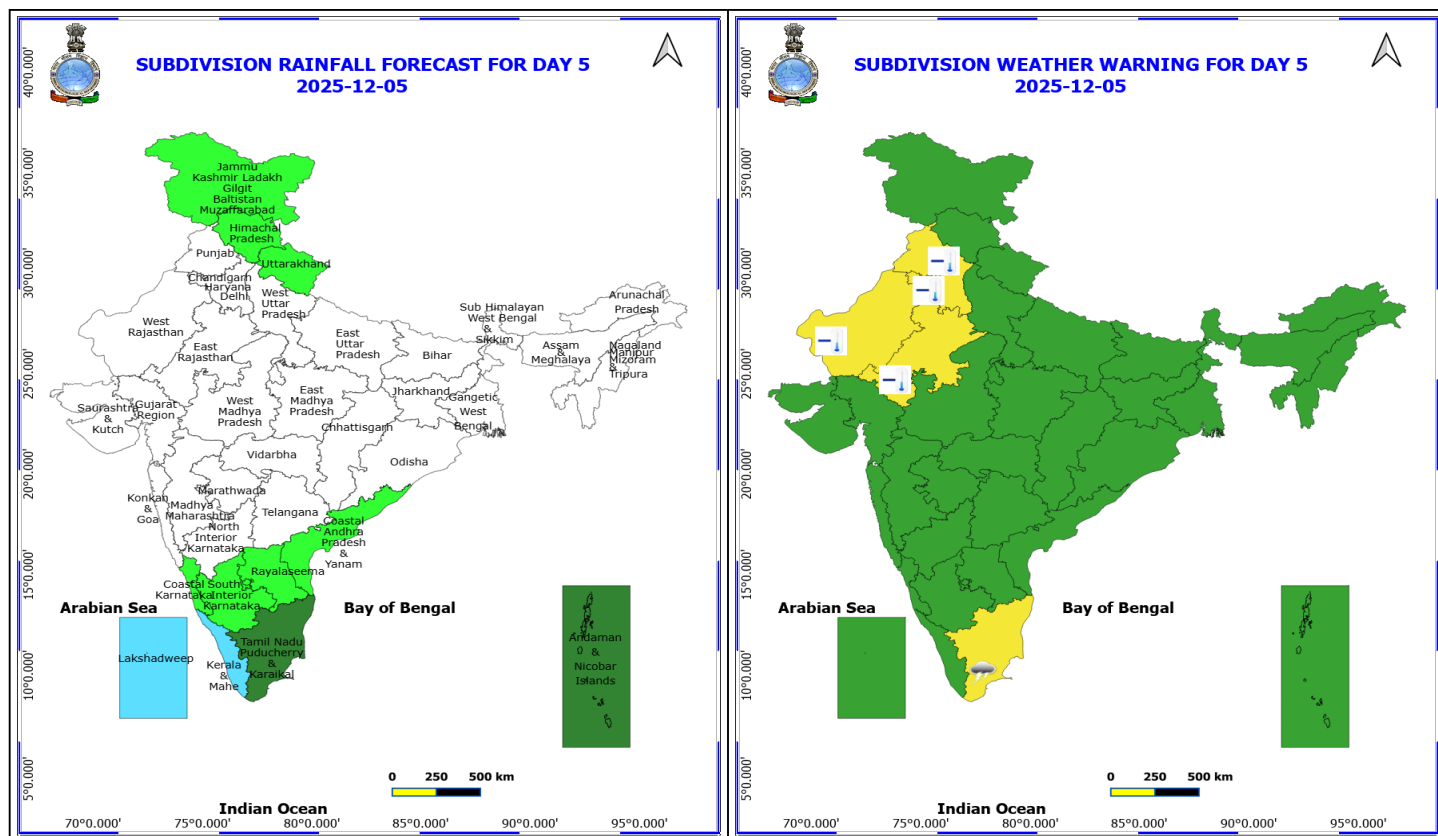
No Fishermen Warning

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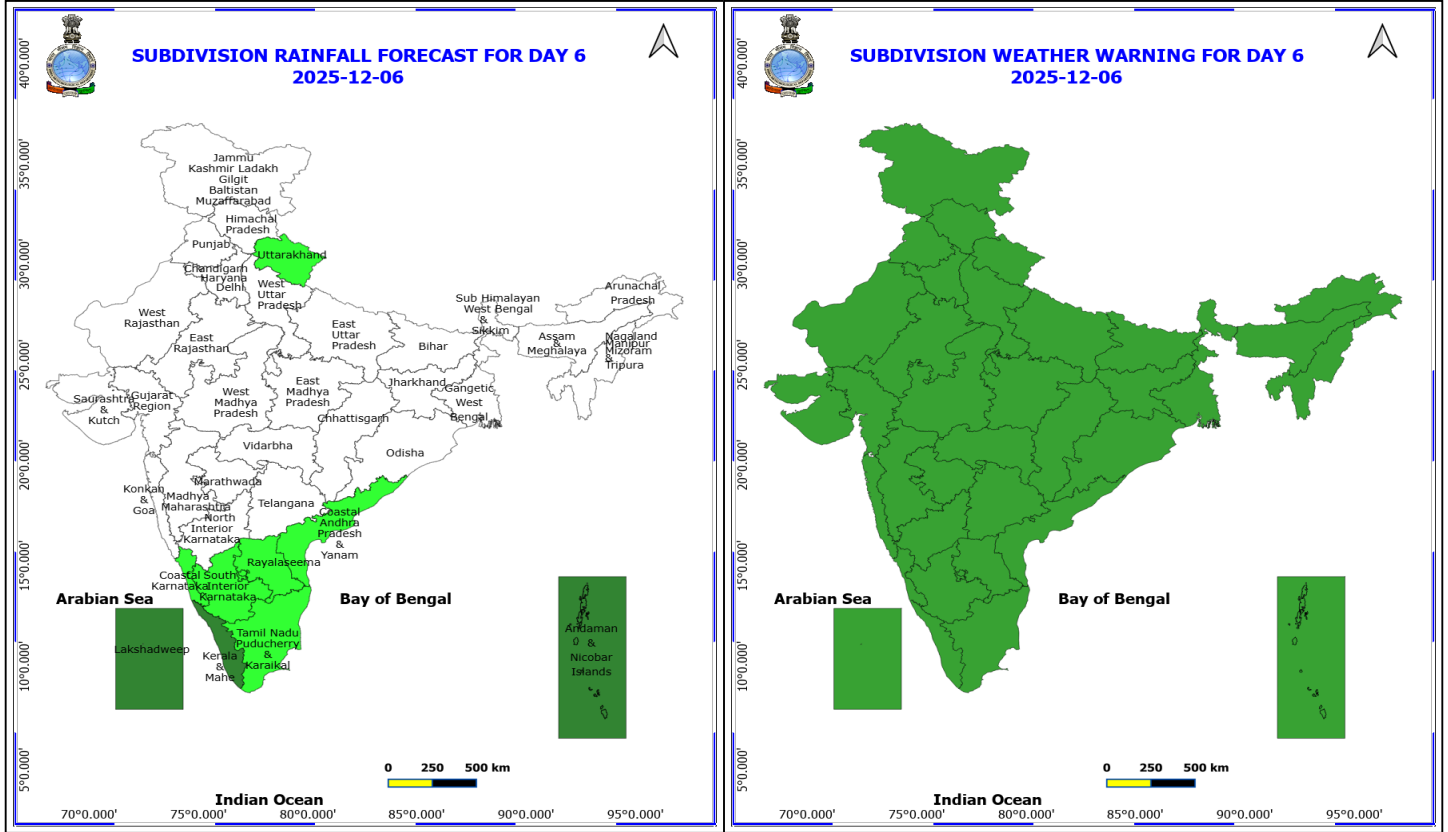
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5 December (Day 5)

- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Tamil Nadu Puducherry & Karaikal.
- ❖ **Cold wave conditions** likely at isolated places over Haryana, Chandigarh & Delhi, Punjab and Rajasthan.

No Fishermen Warning



6 December (Day 6)

No Warning

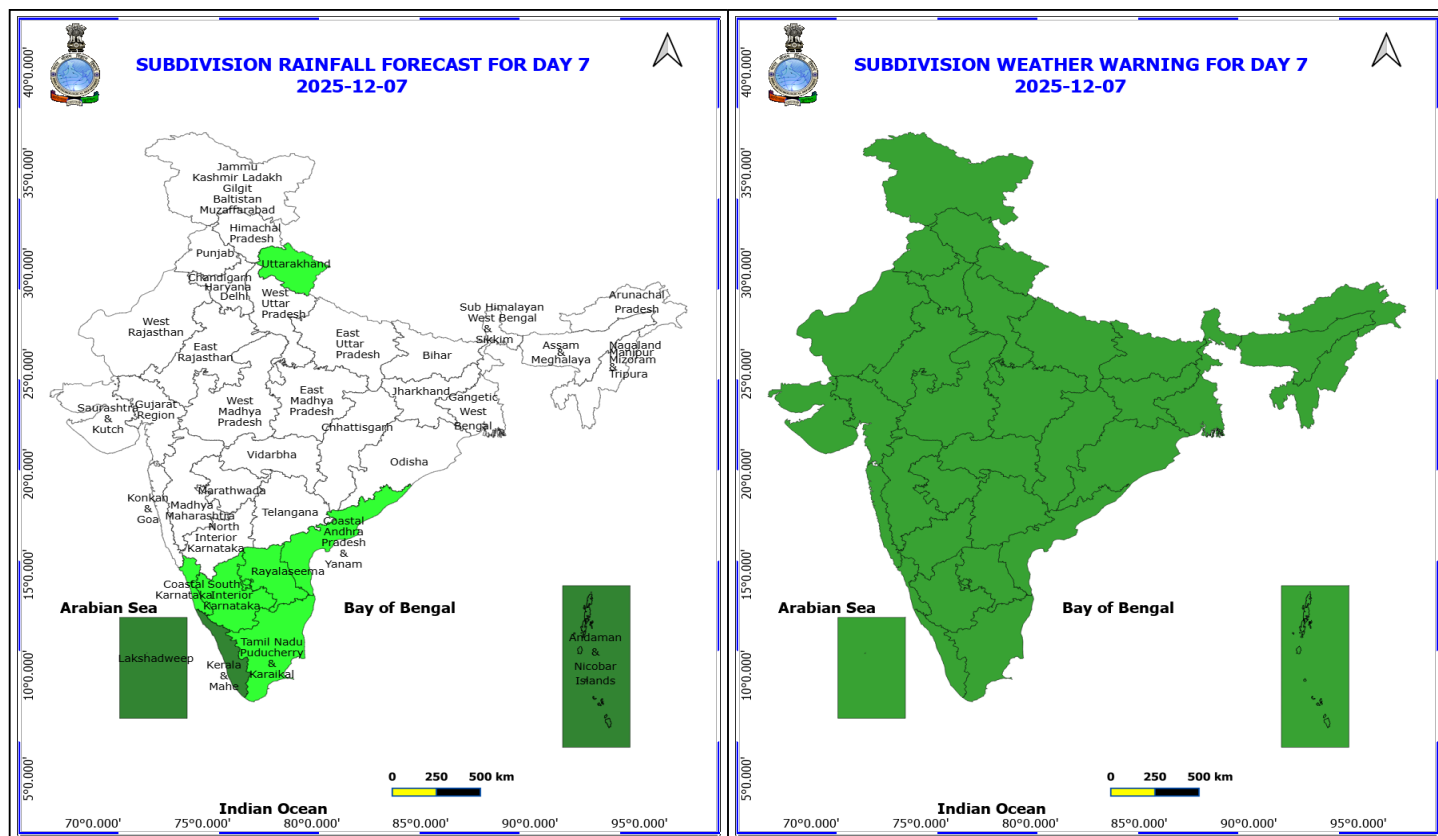
No Fishermen Warning

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7 December (Day 7)

- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Tamil Nadu Puducherry & Karaikal.
- ❖ **Cold wave conditions** likely at isolated places over Haryana, Chandigarh & Delhi, Punjab and Rajasthan.

No Fishermen Warning



Table-1

7 Days Rainfall Forecast

S.No.	Subdivision	1- Dec	2- Dec	3- Dec	4- Dec	5- Dec	6- Dec	7- Dec
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	ISOL	ISOL	ISOL	ISOL	SCT	SCT	SCT
2	ARUNACHAL PRADESH	ISOL	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	DRY	DRY
5	S.H. WEST BENGAL & SIKKIM	ISOL	ISOL	ISOL	DRY	DRY	DRY	DRY
6	GANGETIC WEST BENGAL	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
7	ODISHA	ISOL	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	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	ISOL	DRY	DRY	ISOL	ISOL	DRY	DRY
16	JAMMU AND KASHMIR AND LADAKH	SCT	DRY	DRY	DRY	ISOL	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	ISOL	ISOL	DRY	DRY	DRY	DRY	DRY
28	COASTAL ANDHRA PRADESH	FWS	FWS	FWS	ISOL	ISOL	ISOL	ISOL
29	TELANGANA	SCT	ISOL	DRY	DRY	DRY	DRY	DRY
30	RAYALASEEMA	SCT	SCT	FWS	SCT	ISOL	ISOL	ISOL
31	TAMILNADU & PUDUCHERRY	SCT	ISOL	SCT	SCT	SCT	SCT	ISOL
32	COSTAL KARNATAKA	DRY	DRY	ISOL	ISOL	ISOL	DRY	DRY
33	NORTH INTERIOR KARNATAKA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
34	SOUTH INTERIOR KARNATAKA	ISOL	ISOL	SCT	ISOL	DRY	DRY	DRY
35	KERALA	ISOL	SCT	FWS	FWS	FWS	SCT	SCT
36	LAKSHDWEAP	DRY	SCT	SCT	FWS	FWS	FWS	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 2025-11-30

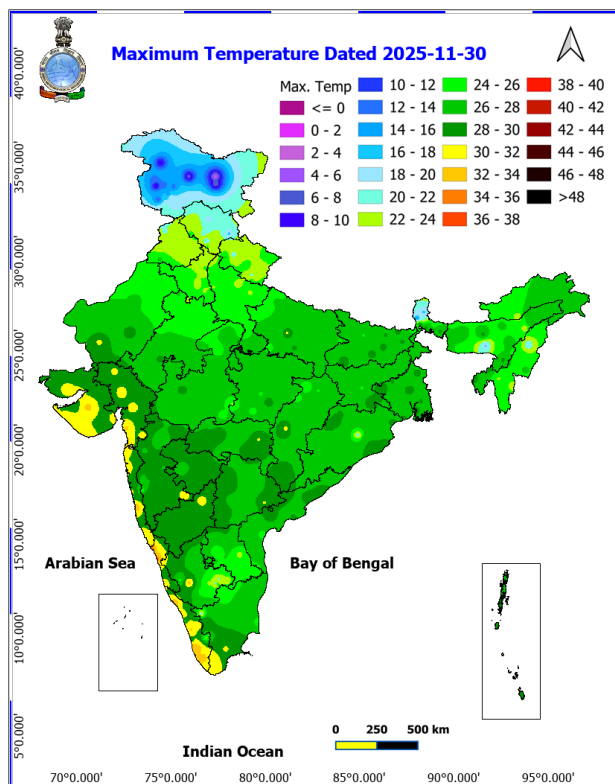


Fig. 2: Departure of Maximum Temp. Dated 2025-11-30

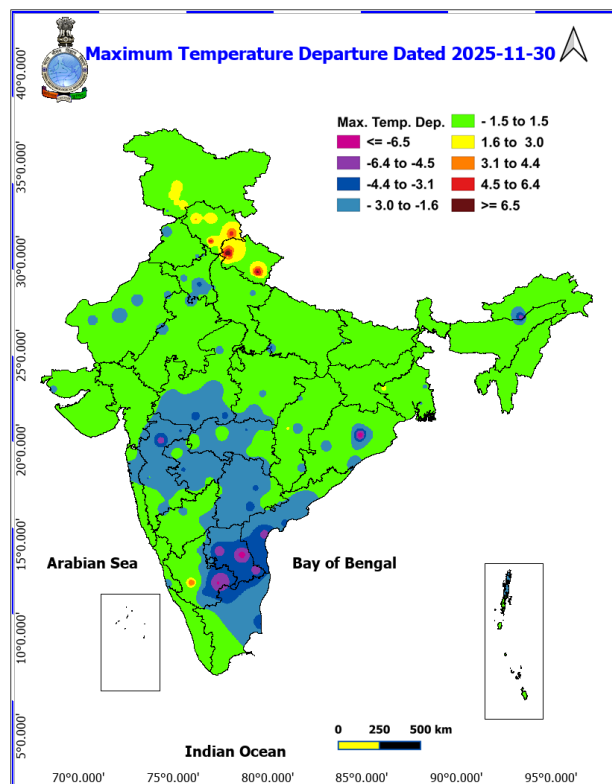


Fig. 3: Minimum Temperatures Dated 2025-12-01

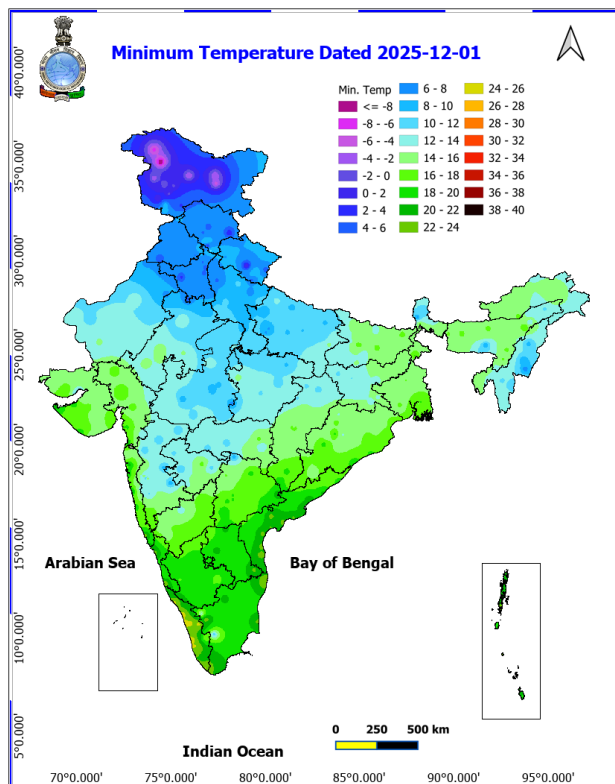
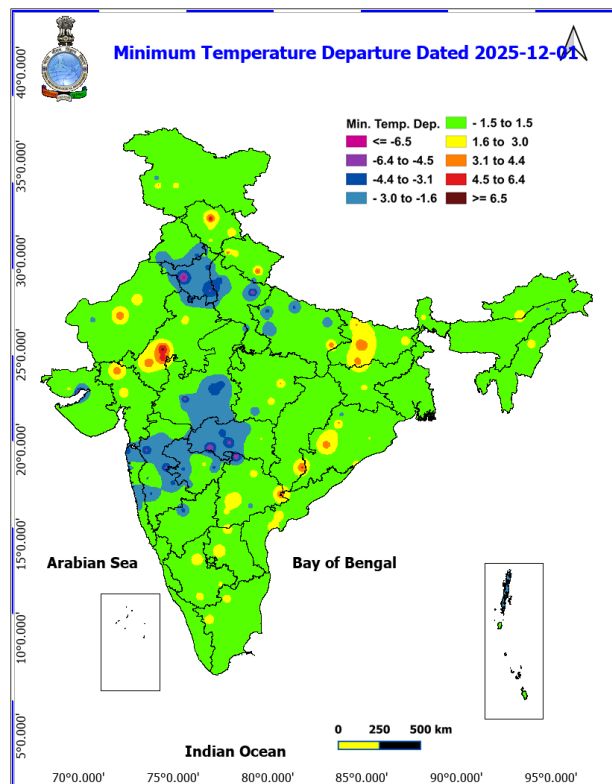
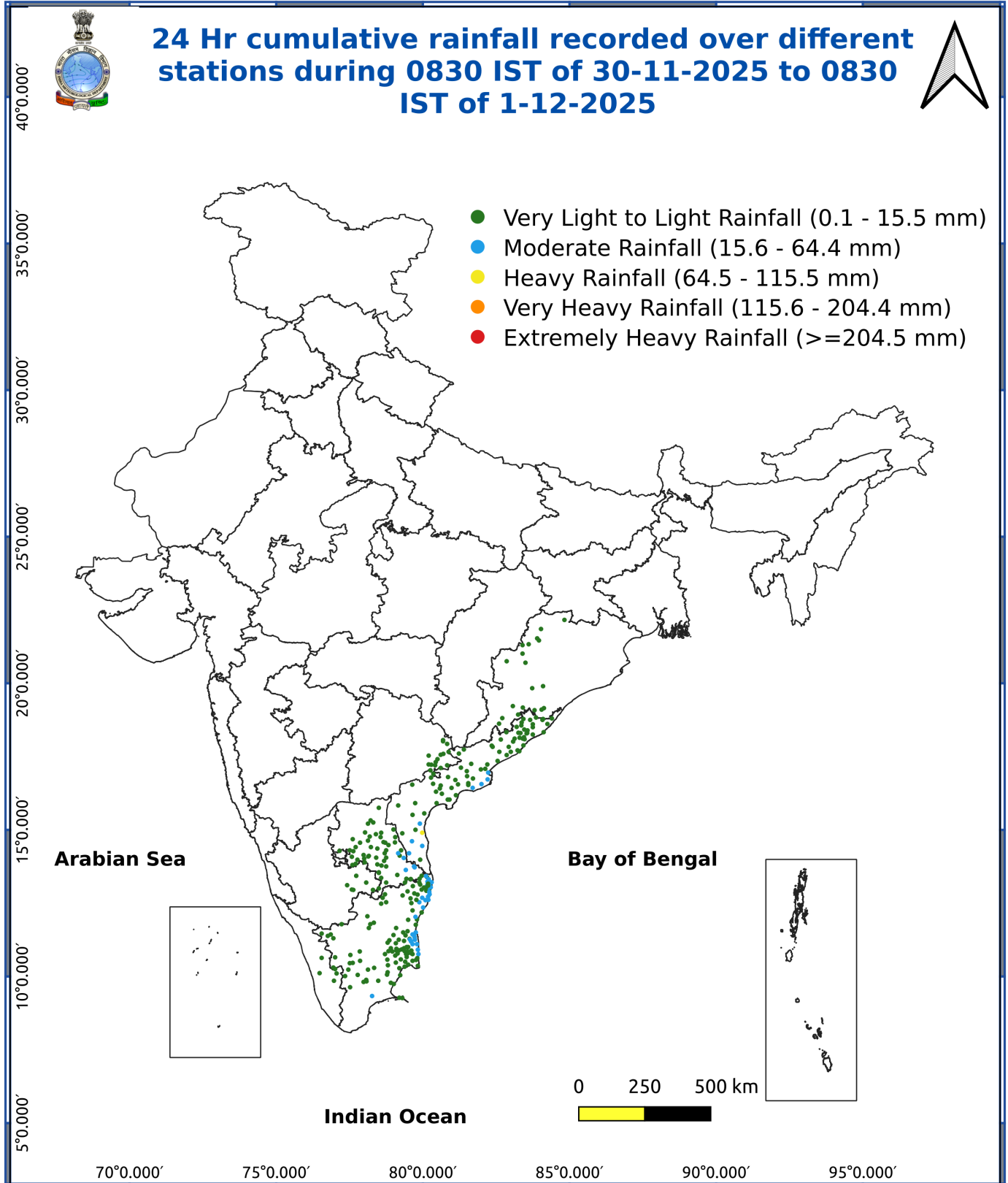


Fig. 4: Departure of Minimum Temp. Dated 2025-12-01





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Isolated very heavy rainfall likely over Tamil Nadu, Puducherry and Coastal Andhra Pradesh & Yanam on 01st December.

Impact Expected

- Localized Flooding of roads, water logging in low lying areas and closure of underpasses mainly in urban areas of the above region.
- Occasional reduction in visibility due to heavy rainfall.
- Disruption of traffic in major cities due to water logging in roads leading to increased travel time.
- Minor damage to kutcha roads.
- Possibilities of damage to vulnerable structure.
- Localized Landslides/Mudslides/landslips/mudslips/landsinks/mudsinks.
- Damage to horticulture and standing crops in some areas due to inundation.
- It may lead to riverine flooding in some river catchments (for riverine flooding please visit Web page of CWC)

Action Suggested

- Check for traffic congestion on your route before leaving for your destination.
- Follow any traffic advisories that are issued in this regard.
- Avoid going to areas that face the water logging problems often.
- Avoid staying in vulnerable structure.

Agromet advisories for various parts of the country

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

In **Tamil Nadu**, drain out excess rain water from the fields of rice, groundnut, sugarcane, cotton, black gram, maize and vegetables and plantations of coconut, banana, areca nut, mango, rubber, cinnamon and black pepper. Strengthen irrigation channels and field bunds in rice to avoid crop lodging. Provide support to banana plants with wooden poles to prevent them from falling.

In **Andhra Pradesh**, provide extensive drainage in *rabi* rice nurseries, transplanted rice, Bengal gram, red gram, maize, jowar, already sown crops of ragi, chickpea, black gram, vegetables and orchards. Keep the harvested produce of rice, maize, groundnut and cotton to safer places. Postpone picking of cotton, harvesting of rice and sowing of ragi, chickpea & black gram.

In **Kerala**, make necessary arrangements to drain out excess rain water from the fields of rice, vegetables and plantations of banana, coconut, cardamom and black pepper. Carry out propping in banana to prevent their falling due to heavy rainfall. Undertake staking for vegetables grown in pandals.

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.

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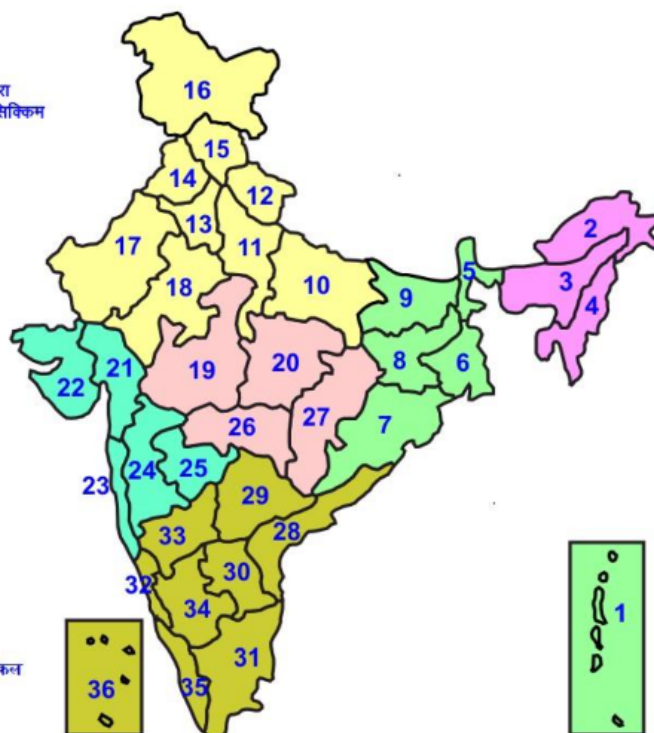


Agromet advisories for likely impact of Thunderstorm / Gusty Winds

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 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 कोंकण 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

 Thunderstorm & Lightning

 Strong surface winds

 Cold Wave

 Hot & Humid

 Very Heavy Rain

 Hailstorm

 Heat Wave

 Cold Day

 Extremely Heavy Rain

 Dust Storm

 Hot Day

 Ground Frost

 Heavy Snow

 Dust Raising Winds

 Warm Night

 Fog

*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

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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)

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

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