



Government of India
Ministry of Earth Sciences
India Meteorological Department



Press Release

Date: 22nd November, 2025

Time of Issue: 1330 hours IST

Subject: (i) A Low Pressure area has formed over Strait of Malacca & adjoining South Andaman Sea on 22nd November. It is likely to intensify into depression over southeast Bay of Bengal around 24th November 2025.

(ii) Heavy rainfall likely over Andaman & Nicobar Islands during 22nd - 27th with very heavy rainfall on 24th & 25th November. Heavy rainfall very likely over Tamil Nadu during 22nd -25th; over Kerala & Mahe during 22nd- 26th; over Lakshadweep on 22nd & 23rd; over Rayalaseema on 22nd November.

Realised weather during past 24 hours ending at 0830 hours IST of today, the 22nd November, 2025:

- ❖ **Heavy to very heavy rainfall (7-20 cm)** has been recorded at isolated places over Tamil Nadu
- ❖ **Heavy rainfall (7- 11 cm)** has been recorded at isolated places over Kerala & Mahe, Rayalaseema.
- ❖ **Dense fog conditions over isolated places over Odisha and Uttar Pradesh.**

Weather Systems, Forecast and Warnings (refer to ANNEXURE I & II):

- ❖ Under the influence of **yesterday's upper air cyclonic circulation** over central parts of Strait of Malacca, a **Low Pressure area** formed over Strait of Malacca & adjoining South Andaman Sea at 0830 hours IST of today, the 22nd November 2025. It is very likely to move west-northwestwards and intensify into a **depression** over southeast Bay of Bengal around **24th November 2025**. Continuing to move west-northwestwards, it is very likely to intensify further over southwest Bay of Bengal during subsequent 48 hours.
- ❖ An **upper air cyclonic circulation** lay over east Bangladesh & neighbourhood in lower tropospheric level.
- ❖ An **upper cyclonic circulation** lay over southeast Arabian Sea in lower tropospheric level.
- ❖ An **upper air cyclonic circulation** lay over Comorin area & adjoining Indian equatorial ocean in lower tropospheric level.

Under the influence of these systems, the following weather is likely:

- ❖ Heavy rainfall likely over Andaman & Nicobar Islands during 22nd - 27th with very heavy rainfall on 24th & 25th November. Heavy rainfall very likely over Tamil Nadu during 22nd -25th; over Kerala & Mahe during 22nd- 26th; over Lakshadweep on 22nd & 23rd; over Rayalaseema on 22nd November.
- ❖ Thunderstorm with lightning very likely over Tamil Nadu, Coastal Andhra Pradesh & Yanam and Rayalaseema during 22nd -24th, Kerala & Mahe and Lakshadweep during 22nd -26th; Coastal Karnataka and South Interior Karnataka on 22nd November and over Andaman & Nicobar Islands with gusty wind speeds reaching 40-50 kmph during the week.

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

- ❖ **Minimum temperatures** are in the range of **less than 6°C** at many places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad; at few places over Himachal Pradesh; at isolated places over Uttarakhand; in the **range of 7-10°C** at many places over Punjab; at a few places over Madhya Pradesh; at isolated places over Haryana Chandigarh & Delhi & East Rajasthan. **The lowest minimum temperature of 8.2°C is reported at Rajgarh (West Madhya Pradesh) over the plains of India.**
- ❖ **Minimum Temperature were below normal (-1.6°C to -3.0°C)** at few places over West Madhya Pradesh & Vidarbha; isolated over Odisha, Saurashtra & Kutch. **(refer to ANNEXURE IV)**

Forecast of temperature and cold wave & cold day warnings:

- ❖ Gradual fall in minimum temperature likely by 2-3⁰ C over plains of northwest India during next 4 days and no large change thereafter.
- ❖ Gradual rise in minimum temperature likely by 2⁰ C over West & Central India during next 2 days and no large change thereafter.
- ❖ Gradual fall in minimum temperature likely by 2-3⁰ C over northeast India during next 2 days and no large change thereafter.
- ❖ No large change in the minimum temperature likely over rest part of the country.
- ❖ **Shallow to moderate fog** over northeast India & Uttar Pradesh during next 5 days.

Fisherman Warning:

Fishermen are advised not to venture into the following areas during 22nd November to 27th November:

➤ **Arabian Sea:**

Along and off Kerala coast, over Lakshadweep, Comorin areas during 22nd to 25th November.

➤ **Bay of Bengal:**

Over Andaman Sea & southeast Bay of Bengal during 22nd to 27th November; some parts of southwest Bay of Bengal on 22nd November, many parts of southwest Bay of Bengal on 23rd & 24th November, most parts of southwest Bay of Bengal on 25th November and over entire southwest Bay of Bengal on 26th November; over southern parts of central Bay of Bengal on 25th & 26th November; Over Gulf of Mannar during 22nd to 27th November.

ii) Weather conditions and forecast over Delhi/NCR during 22nd -25th November, 2025 (ANNEXURE III)

For more details, kindly refer National Weather Bulletin:

https://mausam.imd.gov.in/responsive/all_india_forecast_bulletin.php

For District wise warnings refer: <https://mausam.imd.gov.in/responsive/districtWiseWarningGIS.php>

For Fishermen warning refer <https://rsmcnewdelhi.imd.gov.in/fishermen-warning.php>

Significant rainfall recorded (in cm) (from 0830 hours IST of yesterday to 0830 hours IST of today):

TAMILNADU & KARAIKAL: TAMILNADU, PUDUCHERRY & KARAIKAL: Oothu (dist Tirunelveli) 12, Nalumukku (dist Tirunelveli) 11, Kakkachi (dist Tirunelveli), Manjolai (dist Tirunelveli) 9 each, Mylaudy (dist Kanyakumari) 7;

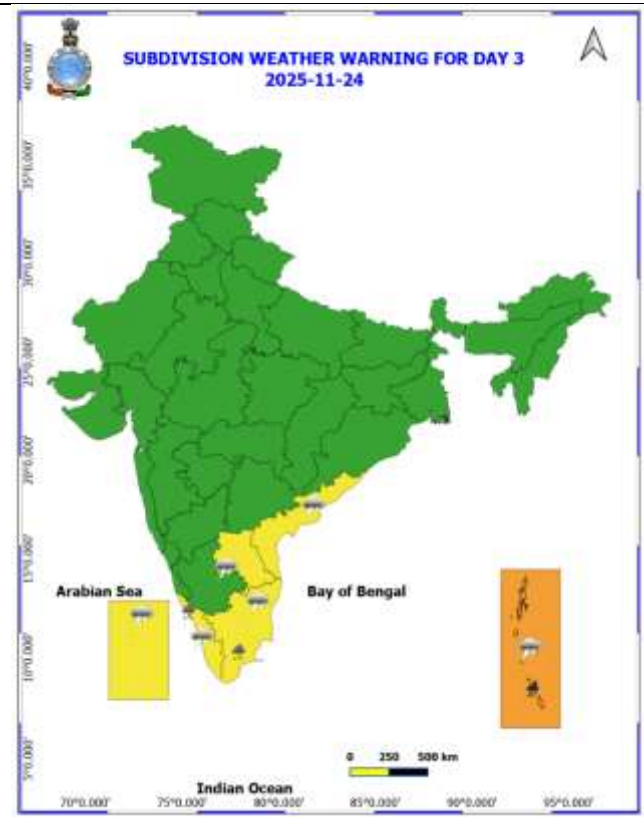
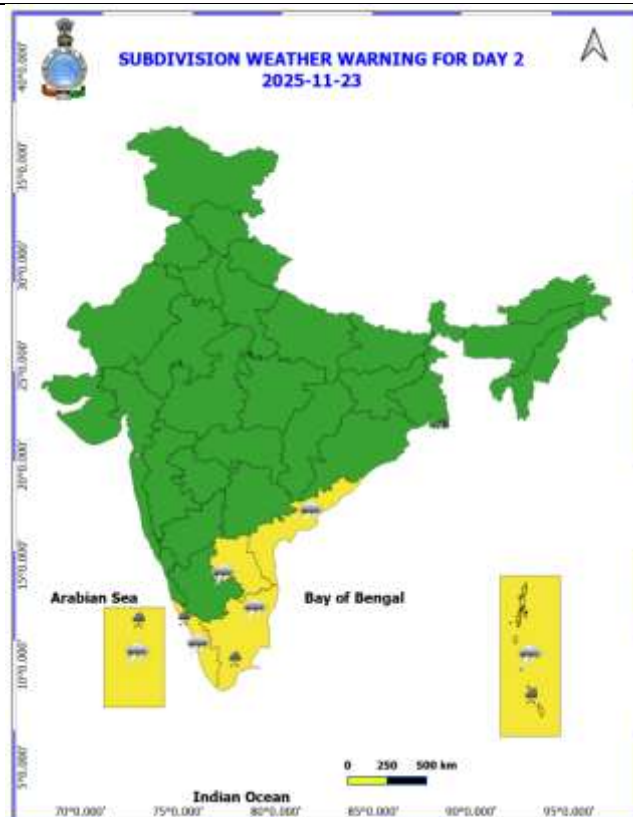
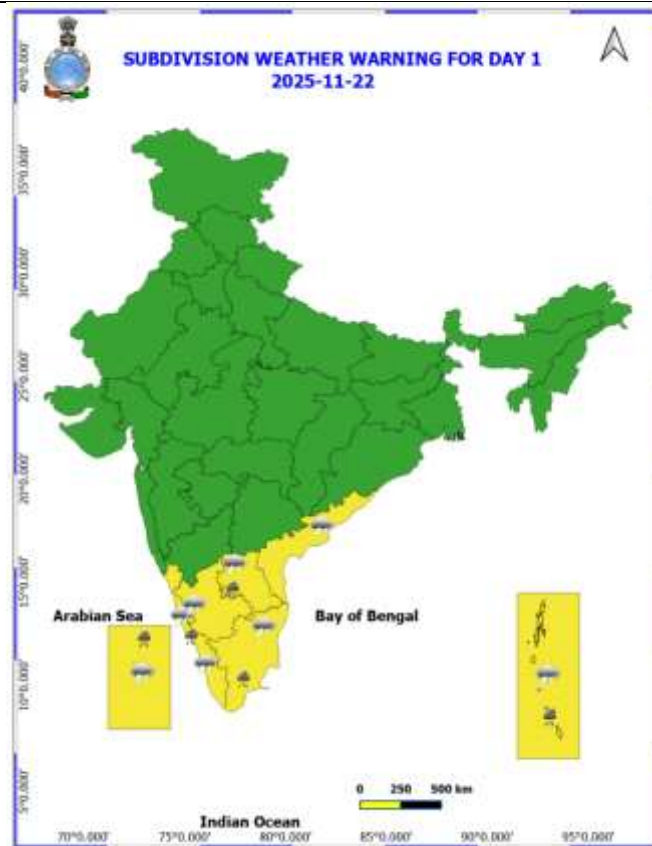
KERALA: Neyyattinkara (Trivandrum district) 8;

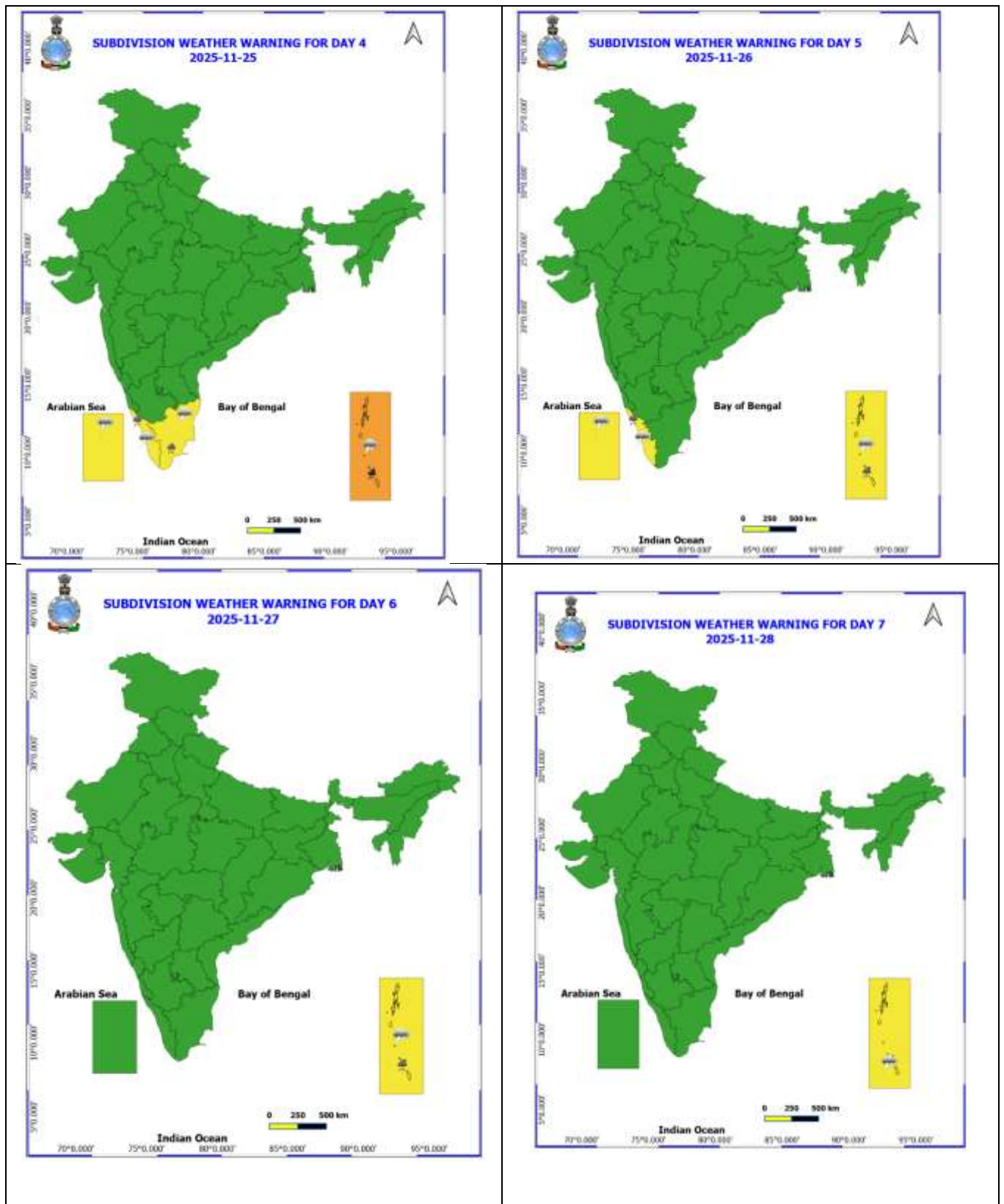
RAYALASEEMA: Kodur (dist Ysr District) 9, Penagaluru (dist Annamayya District) 9

ANNEXURE I

Table-1								
7 Days Rainfall Forecast								
S.No.	Subdivision	22- Nov	23- Nov	24- Nov	25- Nov	26- Nov	27- Nov	28- Nov
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	FWS	FWS	WFS	WFS	WFS	WFS	WFS
2	ARUNACHAL PRADESH	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
3	ASSAM & MEHGHALAYA	ISOL	ISOL	DRY	DRY	DRY	DRY	DRY
4	NAGALAND, MANIPUR, MIZORAM AND TRIPURA	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
5	SUB HIMALAYAN WEST BENGAL & SIKKIM	ISOL	ISOL	ISOL	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, CHANDIGARH & 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	DRY	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	ISOL	ISOL	ISOL	DRY	DRY	DRY	DRY
24	MADHYA MAHARASHTRA	ISOL	ISOL	ISOL	DRY	DRY	DRY	DRY
25	MARATHWADA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
26	VIDARBHA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
27	CHHATTISGARH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
28	COASTAL ANDHRA PRADESH	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
29	TELANGANA	DRY	ISOL	ISOL	DRY	DRY	DRY	DRY
30	RAYALASEEMA	SCT	SCT	ISOL	ISOL	ISOL	ISOL	ISOL
31	TAMILNADU & PUDUCHERRY	FWS	SCT	SCT	ISOL	ISOL	ISOL	ISOL
32	COSTAL KARNATAKA	ISOL	ISOL	ISOL	DRY	DRY	DRY	DRY
33	NORTH INTERIOR KARNATAKA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
34	SOUTH INTERIOR KARNATAKA	SCT	ISOL	ISOL	DRY	DRY	DRY	DRY
35	KERALA AND MAHE	FWS	FWS	SCT	SCT	SCT	SCT	SCT
36	LAKSHADWEEP	FWS	FWS	SCT	SCT	SCT	SCT	SCT

- As the lead period increases forecast accuracy decrease.





- Action may be taken based on ORANGE AND REDCOLOUR warnings.
- Vulnerable regions likely urban and hilly areas action may be initiated for heavy rainfall warning.
- As the lead period increases forecast accuracy decreases.

Detailed districtwise MultiHazard weather warning for next five days available at
<https://mausam.imd.gov.in/responsive/districtWiseWarningGIS.php>

Weather forecast over Delhi/NCR during 22nd to 25th November 2025

Past Weather:

There has been no large change in minimum and maximum temperatures over Delhi during the past 24 hours. The maximum and minimum temperatures over Delhi were around 26 to 28°C and 12 to 13°C respectively. The minimum and maximum temperatures are near normal (-1.5 to 1.5°C) over Delhi. Safdarjung Airport recorded the lowest visibility of 700m from 0800 Hrs IST to 0830 Hrs IST on 21 November 2025, which subsequently improved to 800m at 0900 Hrs IST. Palam airport recorded the lowest visibility of 700m from 0730 Hrs IST to 0830 Hrs IST on 21 November 2025, which subsequently improved to 800m at 0900 Hrs IST. Mainly clear sky conditions with predominant surface wind from the southwest direction with a wind speed up to 08 kmph prevailed during the past 24 hours. Mainly clear sky conditions with calm winds prevailed over the region in the early morning hours, as the wind gradually increased to less than 8 kmph from the southwest direction in the forenoon today.

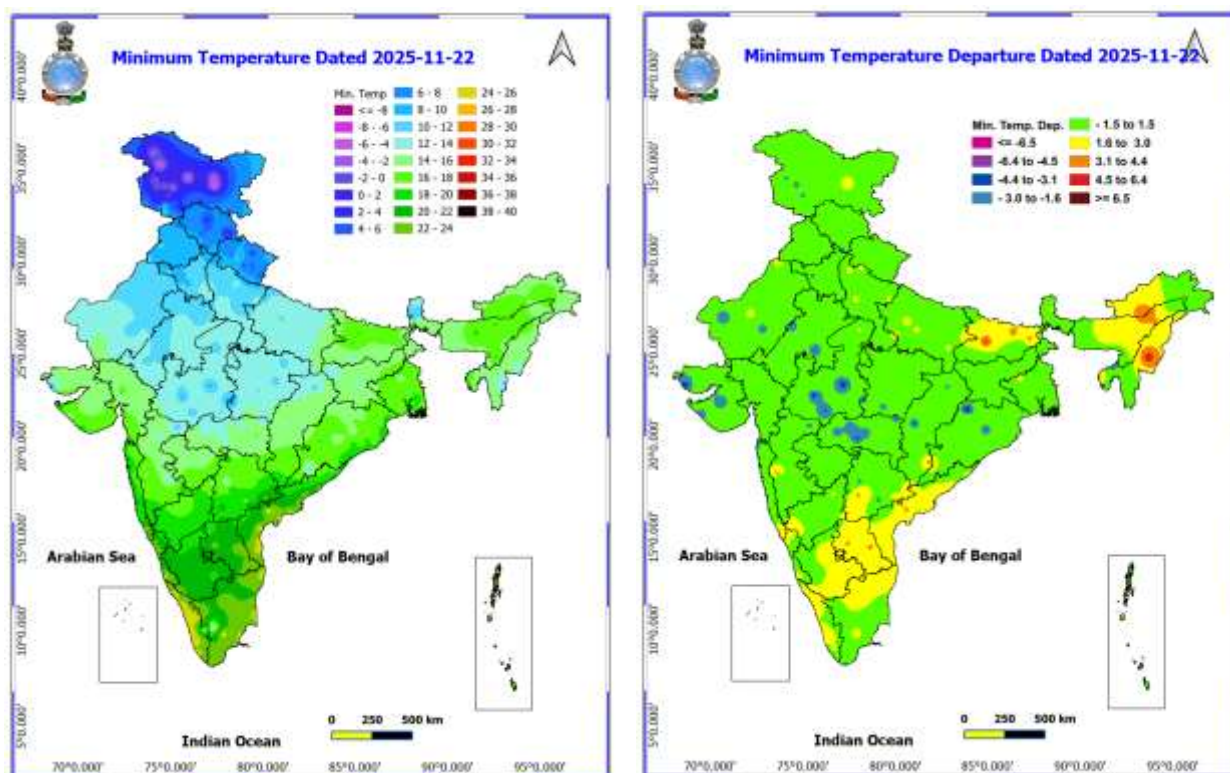
Weather Forecast:

22.11.2025: Mainly clear sky. Mist/Haze during the night. The maximum temperatures are likely to be in the range of 26 to 28°C. The maximum temperatures will be near normal in Delhi. The predominant surface wind is likely to be from the west-northwest direction with wind speed increasing up to 10 kmph during the afternoon hours. The wind speed will increase becoming less than 05 kmph from the north direction during the evening and night.

23.11.2025: Mainly clear sky. Shallow fog during morning hours. The maximum and minimum temperatures over Delhi are likely to be in the range of 25 to 27°C and 10 to 12°C respectively. The minimum and maximum temperatures will be near normal over Delhi. The predominant surface wind is likely to be from the west-northwest direction with calm winds in the early morning hours as the wind gradually increased to less than 5 kmph during morning hours. The wind speed will increase becoming less than 10 kmph from the northwest direction in the afternoon. The wind speed will decrease becoming less than 05 kmph from the north-northwest direction during the evening and night.

24.11.2025: Mainly clear sky. Shallow fog at most places and moderate fog at isolated places during morning hours. The maximum and minimum temperatures over Delhi are likely to be in the range of 25 to 27°C and 09 to 11°C respectively. The minimum temperatures will be below normal (-0.3 to -2.3°C) and the maximum temperatures will be near normal over Delhi. The predominant surface wind is likely to be from the west-northwest direction with calm winds in the early morning hours as the wind gradually increased to less than 5 kmph during morning hours. The wind speed will increase becoming less than 08 kmph from the northwest direction in the afternoon. The wind speed will decrease becoming less than 05 kmph from the northeast direction during the evening and night.

25.11.2025: Mainly clear sky. Shallow fog at most places and moderate fog at isolated places during morning hours. The maximum and minimum temperatures over Delhi are likely to be in the range of 24 to 26°C and 08 to 10°C respectively. The minimum temperatures will be below normal (-0.3 °C to -2.3°C) and the maximum temperatures will be below normal (0.7 °C to 2.7°C) over Delhi. The predominant surface wind is likely to be from the west-northwest direction with calm winds in the early morning hours as the wind gradually increased to less than 5 kmph during morning hours. The wind speed will increase becoming less than 15 kmph from the northwest direction in the afternoon. The wind speed will decrease becoming less than 05 kmph from the northwest direction during the evening and night.



Impact & Action Suggested due to

- ❖ Isolated **very Heavy rainfall likely** over Andaman & Nicobar Islands on 24th & 25th November

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 kutchha 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 likely impact of Heavy Rainfall

Agromet advisories for likely impact of Heavy Rainfall

- In **Tamil Nadu**, drain out excess rain water from fields of rice, groundnut, sugarcane, cotton, black gram, maize and vegetables and plantations of coconut, banana, arecanut, 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 **Kerala**, ensure adequate drainage facilities in 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.
- In **Andaman and Nicobar Islands**, store the harvested produce of rice in well-covered elevated places to prevent moisture damage. Avoid early sowing of pulses and lentil during heavy rainfall. Provide mechanical support to banana and papaya plants at fruiting stage. Drain out excess water from vegetable nurseries and protect young seedlings using temporary rain shelters or plastic covers.

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.

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.

Agromet advisories for likely impact of Cold Waves / Low Temperatures

- In **Madhya Pradesh, Madhya Maharashtra and Telangana**, 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. Cover banana bunches with 6% perforated plastic bags for protection from low temperatures.

Livestock / Poultry

- Keep cattle inside the sheds during night and provide dry bedding to protect them from cold.
- Keep the chicks warm by providing artificial light in the poultry sheds.

Legends & abbreviations:

- ❖ **Heavy Rain:**64.5-115.5mm; **Very Heavy Rain:**115.6-204.4mm; **Extremely Heavy Rain:** >204.4mm.
- ❖ **Obsy:** Observatory; **Automatic Weather Station;** **ARG:** Automatic Rain Gauge; **dist:** District; **NH:** National Highway; **KVK:** Krishi Vigyan Kendra; **DVC:** Damodar Valley Corporation; **PTO:** Part Time Office, **Aero:** Aerodrome, **IAF:** Indian Air Force.
- ❖ **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, Konkan & Goa, Madhya Maharashtra and Marathwada.
- **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 द्वीपसमूह

2. अरुणाचल प्रदेश

3. असम और मेघालय

4. नागालैंड, मणिपुर, मिजोरम और त्रिपुरा

5. उप-हिमालयी पश्चिम बंगाल और सिक्किम

6. गंगीय पश्चिम बंगाल

7. ओडिशा

8. झारखंड

9. बिहार

10. पूर्वी उत्तर प्रदेश

11. पश्चिम उत्तर प्रदेश

12. उत्तराखंड

13. हरियाणा, चंडीगढ़ और दिल्ली

14. पंजाब

15. हिमाचल प्रदेश

16. जम्मू और कश्मीर और लद्दाख

17. पश्चिम राजस्थान

18. पूर्वी राजस्थान

19. पश्चिम मध्य प्रदेश

20. पूर्वी मध्य प्रदेश

21. गुजरात

22. सौराष्ट्र

23. कोंकण और गोवा

24. मध्य महाराष्ट्र

25. मराठवाड़ा

26. विदर्भ

27. छत्तीसगढ़

28. तटीय आंध्र प्रदेश और यनम

29. तेलंगाना

30. रायलसीमा

31. तमिलनाडु, पुडुचेरी और कराईकल

32. तटीय कर्नाटक

33. आंतरिक उत्तरी कर्नाटक

34. आंतरिक दक्षिणी कर्नाटक

35. केरल और 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. Odisha

8. Jharkhand

9. Bihar

10. East Uttar Pradesh

11. West Uttar Pradesh

12. Uttarakhand

13. Haryana, Chandigarh & 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. Marathwada

26. Vidarbha

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)



Fog



Heavy Snow



Cold Wave



Heavy Rain



Dust Storm



Cold Day



Very Heavy Rain



Heat Wave



Ground Frost



Extremely Heavy Rain



Warm Night



Thunder & Lightning



Hot Day



Hailstorm



Hot & Humid



Dust Raising Winds



Strong Surface Winds

COLOUR CODED WARNING

No Warning (No Action)

Watch (Be Aware)

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

* Red colour warning does not mean "Red Alert", Red colour 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)

DEFINITION/CRITERIA

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 $\geq 40^{\circ}\text{C}$ 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 $\geq 37^{\circ}\text{C}$.

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 $> 6.4^{\circ}\text{C}$.

Cold Wave

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 $\leq 15^{\circ}\text{C}$

Cold Day

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 $\leq -6.5^{\circ}\text{C}$

Fog

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

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 $\leq 4^{\circ}\text{C}$ (over Plains)

Squall

A strong wind that rises suddenly, lasts for atleast 1 minute.

Moderate: Wind speed 52-61 kmph

Severe: Wind speed 62-67 kmph

Very Severe: Wind speed > 67 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 Storm: Wind speed > 220 kmph (> 119 knots)

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