



Government of India
Ministry of Earth Sciences
India Meteorological Department



Press Release

Date: 23rd November, 2025

Time of Issue: 1445 hours IST

Subject: (i) The Well-Marked low-pressure area over Strait of Malacca and adjoining South Andaman Sea on 23rd November. It is very likely to intensify into a depression over southeast Bay of Bengal and adjoining south Andaman Sea on 24th November. It is likely to further intensify into a cyclonic storm over southeast Bay of Bengal during subsequent 48 hours.

(ii) A Low pressure area is likely to form over Comorin and adjoining areas of southwest Bay of Bengal and Sri Lanka around 25th November.

(iii) Heavy to very heavy rainfall is likely over Andaman & Nicobar Islands during 23rd - 28th. Heavy rainfall very likely over Tamil Nadu, Kerala & Mahe during 23rd - 25th; Lakshadweep, Coastal Andhra Pradesh & Yanam during 23rd & 24th, Rayalaseema on 23rd with very heavy rainfall over Tamil Nadu, Kerala & Mahe on 23rd & 24th November.

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

- ❖ **Extremely Heavy rainfall (≥ 21 cm)** at isolated places with **heavy to very heavy rainfall (7-20 cm)** at few places over Tamil Nadu.
- ❖ **Very dense Fog (visibility < 50 m):** reported in isolated pockets of West Uttar Pradesh.
- ❖ **Dense fog (visibility 50-199 m):** reported in isolated pockets of East Uttar Pradesh, Odisha.

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

- ❖ Yesterday's **Low Pressure area** over Strait of Malacca & adjoining South Andaman Sea intensified into a **Well-Marked low pressure area** over the same region at 0530 hours IST of today, the 23rd November 2025. It persisted over the same region at 0830 hours IST of today, the 23rd November. It is very likely to move west-northwestwards and intensify into a depression over southeast Bay of Bengal and adjoining south Andaman Sea on 24th November 2025. Continuing to move further west-northwestwards, it is likely to intensify into a cyclonic storm over southeast Bay of Bengal during subsequent 48 hours.
- ❖ An **upper air cyclonic circulation lay** over Comorin area and neighbourhood and extends upto middle tropospheric level. Under its influence, a **low-pressure area** is likely to form over Comorin and adjoining areas of southwest Bay of Bengal and Sri Lanka around 25th November.
- ❖ 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 northeast Arunachal Pradesh & neighbourhood at lower tropospheric level.

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

- ❖ **Heavy rainfall** likely over Andaman & Nicobar Islands during 23rd - 28th; Tamil Nadu, Kerala & Mahe during 23rd - 25th; Lakshadweep, Coastal Andhra Pradesh & Yanam during 23rd & 24th; Rayalaseema on 23rd November with **very heavy rainfall** over Andaman & Nicobar Islands during 24th - 26th; Tamil Nadu, Kerala & Mahe on 23rd & 24th November.
- ❖ **Thunderstorm with lightning** very likely over Tamil Nadu during 23rd - 25th; Kerala & Mahe during 23rd - 26th; Lakshadweep, Coastal Andhra Pradesh & Yanam on 23rd & 24th November and over Andaman & Nicobar Islands with **gusty wind speeds reaching 40-50 kmph** during the next 6 days; with **gusty wind speeds reaching 30-40 kmph** over coastal districts of Tamil Nadu on 23rd & 24th.

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 isolated places over Haryana Chandigarh & Delhi & Madhya Pradesh. **The lowest minimum temperature of 7.4°C is reported at Hissar (Haryana) over the plains of India.**

- ❖ **Minimum Temperature were below normal (-1.6°C to -3.0°C)** at few places over Jammu & Kashmir; at isolated places over Uttarakhand, West Rajasthan, Haryana Chandigarh & Delhi, West Madhya Pradesh 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 many parts of northwest India during next 4 days and no large change thereafter.
- ❖ No large change in the minimum temperature over west India during the week except over Maharashtra where Gradual fall in minimum temperature is likely by 2-3⁰ C during next 4 days and no large change thereafter.
- ❖ No large change in the minimum temperature likely over rest part of the country.

Dense Fog Warnings:

- ❖ **Dense fog conditions** very likely to prevail during night/early morning hours in isolated pockets of northern parts of West Uttar Pradesh on 23rd & 24th November.

Fisherman Warning:

Fishermen are advised not to venture into the following areas during 23rd November to 28th November:

➤ **Arabian Sea:**

Along and off Kerala coast, over Lakshadweep and many parts of Comorin areas during 23rd to 25th November

➤ **Bay of Bengal:**

Over Gulf of Mannar adjoining Comorin area, Tamil Nadu and Sri Lanka coasts, Andaman Sea and South & adjoining areas of central Bay of Bengal during 23rd to 28th November.

ii) Weather conditions and forecast over Delhi/NCR during 23rd -26th 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):

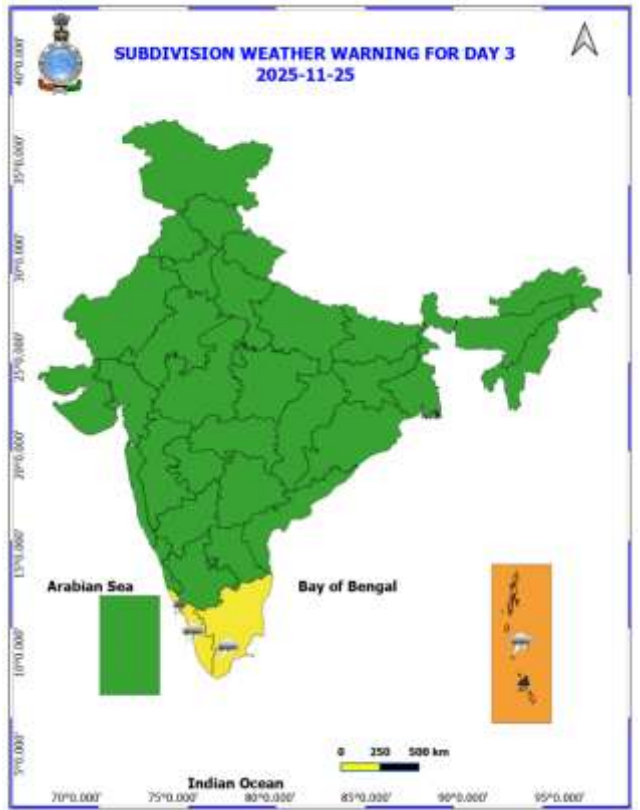
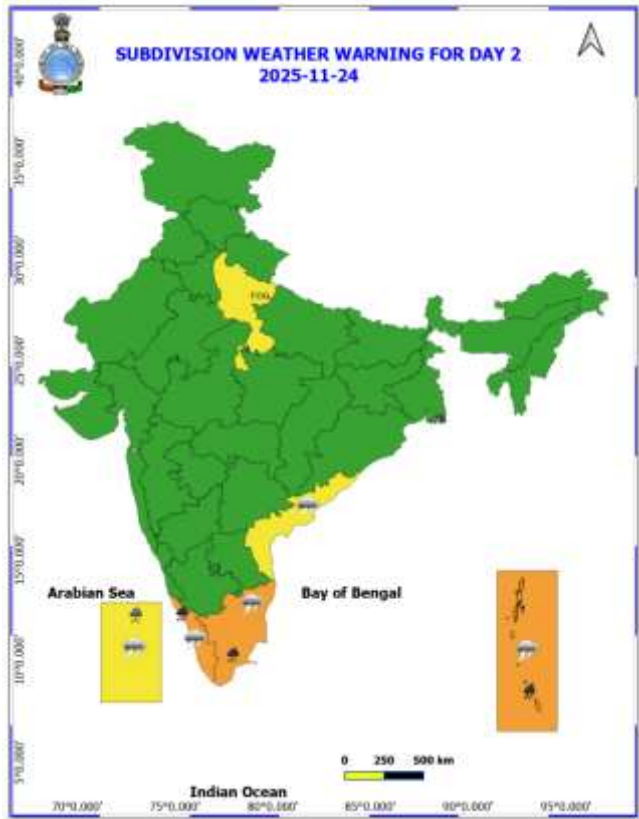
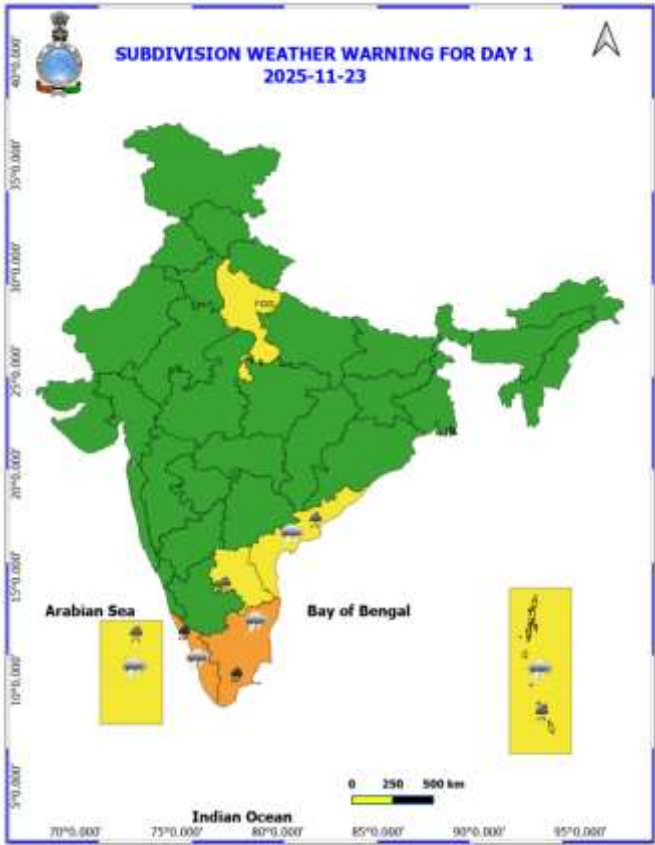
- ❖ **TAMIL NADU & KARAIKAL:** Nalumukku (dist Tirunelveli) 26, Oothu (dist Tirunelveli) 25, Kakkachi (dist Tirunelveli) 23, Manjolai (dist Tirunelveli) 21, Tiruchendur (dist Thoothukudi), Kulasekarapattinam (dist Thoothukudi) 13 each, Kayathar (dist Thoothukudi) 11, Kayalpattinam (dist Thoothukudi) 10, Satankulam (dist Thoothukudi), Ayikudi (dist Tenkasi, Shencottah (dist Tenkasi) 9 each, Papanasam (dist Tirunelveli), Old Taluk Office Srivaikuntam (dist Thoothukudi) 8 each, Ambasamudram (dist Tirunelveli), Kadambur (dist Thoothukudi), Thiruchendur AWS (dist Thoothukudi), Gundar Dam (dist Tenkasi), Kothavacherry (dist Cuddalore), Gadana Dam (dist Tenkasi), Cheranmahadevi (dist Tirunelveli), DSCL Kalayanallur (dist Kallakurichi) 7 each,

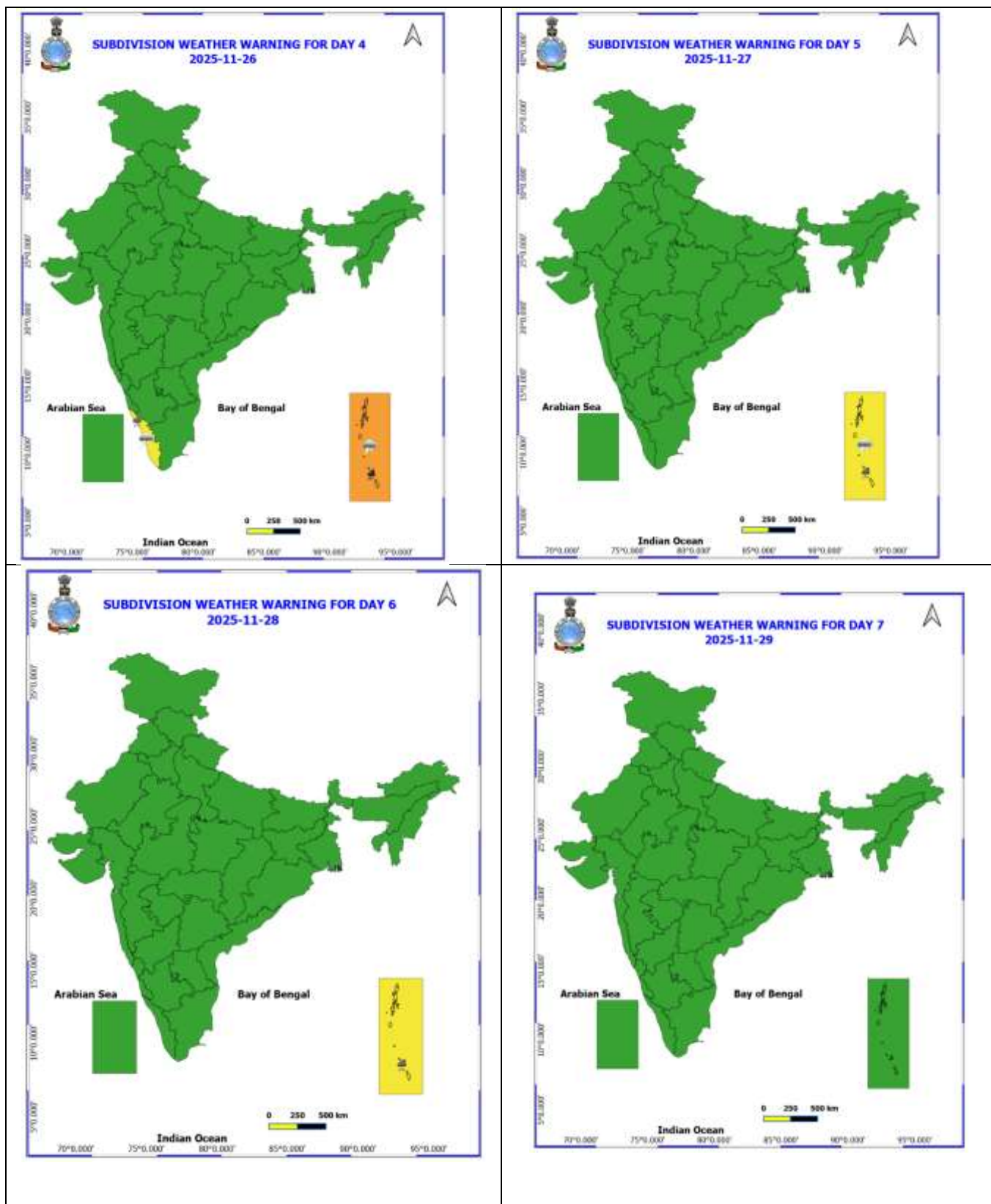
Visibility reported (≤200 m) (in meter):

- ❖ **West Uttar Pradesh:** Bareilly (IAF) 00, Moradabad (AMS) 50, Kanpur (IAF)100.
- ❖ **Odisha:** Rourkela 50.
- ❖ **East Uttar Pradesh:** Kanpur 100.

Table-1								
7 Days Rainfall Forecast								
S.No.	Subdivision	23- Nov	24- Nov	25- Nov	26- Nov	27- Nov	28- Nov	29- Nov
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	FWS	FWS	WS	WS	WS	WS	WS
2	ARUNACHAL PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
3	ASSAM & MEHGHALAYA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
4	NAGALAND, MANIPUR, MIZORAM AND TRIPURA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
5	SUB HIMALAYAN WEST BENGAL & SIKKIM	ISOL	ISOL	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, 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	DRY	DRY	DRY	DRY	DRY
24	MADHYA MAHARASHTRA	ISOL	ISOL	DRY	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	DRY	DRY	DRY	DRY	DRY	DRY
30	RAYALASEEMA	SCT	SCT	ISOL	ISOL	ISOL	ISOL	ISOL
31	TAMILNADU & PUDUCHERRY	FWS	SCT	ISOL	ISOL	ISOL	ISOL	ISOL
32	COSTAL KARNATAKA	SCT	SCT	DRY	DRY	DRY	DRY	DRY
33	NORTH INTERIOR KARNATAKA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
34	SOUTH INTERIOR KARNATAKA	SCT	ISOL	DRY	DRY	DRY	DRY	DRY
35	KERALA AND MAHE	FWS	SCT	SCT	SCT	SCT	ISOL	ISOL
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 23rd to 26th November 2025

Past Weather:

There has been a fall in minimum temperatures by 01-02°C and no large change in maximum temperatures over Delhi during the past 24 hours. The maximum and minimum temperatures over Delhi were around 24 to 27°C and 10 to 11°C respectively. The minimum temperatures are near normal (-1.5 to 1.5°C) at many places and below normal (-1.6 to -3.0°C) at a few places over Delhi. The maximum temperatures were below normal (-1.6 to -3.0°C) at isolated places and normal (-1.5 to 1.5°C) at most places over Delhi. Safdarjung Airport recorded the lowest visibility of 700m from 0800 Hrs IST to 0830 Hrs IST on 22 November 2025, which subsequently improved to 900m at 0900 Hrs IST. Palam airport recorded the lowest visibility of 900m from 0730 Hrs IST to 0830 Hrs IST on 21 November 2025, which subsequently improved to 1100m at 0900 Hrs IST. Mainly clear sky conditions with predominant surface wind from the west direction with a wind speed up to 12 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 5 kmph from the northwest direction in the forenoon today.

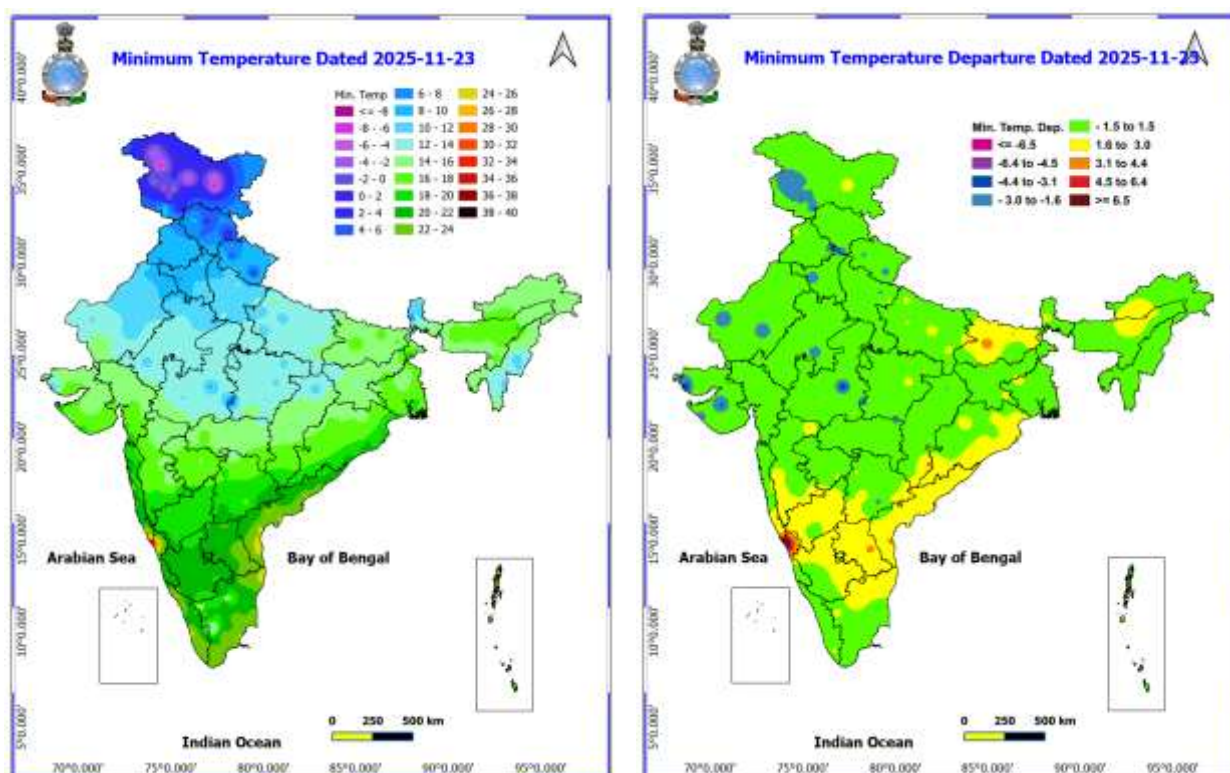
Weather Forecast:

23.11.2025: Mainly clear sky. Mist/Haze during the night. The maximum temperatures are likely to be in the range of 25 to 27°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 08 kmph during the afternoon hours. The wind speed will increase, becoming less than 05 kmph from the north direction during the evening and night.

24.11.2025: Mainly clear sky. Shallow fog at most places and moderate fog at isolated places during the morning hours. The maximum and minimum temperatures over Delhi are likely to be in the range of 24 to 26°C and 09 to 11°C, respectively. The minimum and maximum temperatures will be below normal (-1.6 to -3.0 °C) in the region. The predominant surface wind is likely to be from the northwest direction with calm winds in the early morning hours, as the wind gradually increases to less than 05 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 northwest direction during the evening and night.

25.11.2025: Mainly clear sky. Shallow fog at most places and moderate fog at isolated places during the 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 and maximum temperatures will be below normal (-1.6 to -3.0 °C) in the region. 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 increases 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.

26.11.2025: Mainly clear sky. Shallow fog at most places and moderate fog at isolated places during the morning hours. The maximum and minimum temperatures over Delhi are likely to be in the range of 23 to 25°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 increases 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 Tamil Nadu on 23rd, Kerala & Mahe on 23rd & 24th; Andaman & Nicobar Islands during 24th -26th; 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 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 likely impact of Heavy Rainfall

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

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

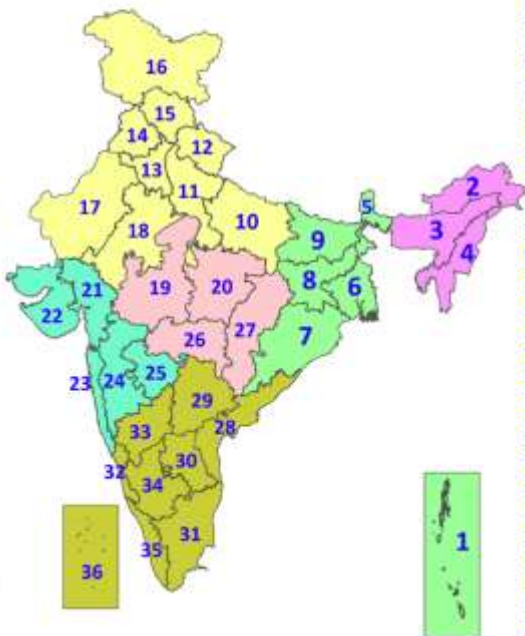
32. तटीय कर्नाटक

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)

* 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)