



**Government of India**  
**Ministry of Earth Sciences**  
**India Meteorological Department**



**Press Release**

**Date: 24<sup>th</sup> November, 2025**

**Time of Issue: 1440 hours IST**

**Subject: (i) The Well-Marked low-pressure area Malaysia and adjoining Strait of Malacca on 24<sup>th</sup> November. It is very likely to intensify into a depression south Andaman Sea during next 24 hours.**

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

**(iii) Heavy to very heavy rainfall is likely over Andaman & Nicobar Islands during 25<sup>th</sup> -29<sup>th</sup>. Heavy rainfall very likely over Tamil Nadu during 25<sup>th</sup>-27<sup>th</sup>; Kerala & Mahe during 24<sup>th</sup>-26<sup>th</sup>, Lakshadweep on 24<sup>th</sup>, Coastal Andhra Pradesh & Yanam on 29<sup>th</sup> with very heavy rainfall over Tamil Nadu on 24<sup>th</sup> & 28<sup>th</sup>-30<sup>th</sup>, Coastal Andhra Pradesh & Yanam on 30<sup>th</sup> November.**

**Realised weather during past 24 hours ending at 0830 hours IST of today, the 24<sup>th</sup> November, 2025:**

- ❖ **Heavy to very heavy rainfall (7-20 cm)** with **Extremely Heavy rainfall ( $\geq 21$  cm)** at isolated places over Tamil Nadu; **heavy rainfall** at isolated places over Kerala and Lakshadweep.
- ❖ **Very dense Fog (visibility  $< 50$  m):** reported in isolated pockets of Northwest Uttar Pradesh.
- ❖ **Dense fog (visibility 50-199 m):** reported in isolated pockets of Odisha and Himachal Pradesh.

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

- ❖ The well marked low pressure area over Strait of Malacca and adjoining south Andaman Sea lay over Malaysia and adjoining Strait of Malacca at 0830 hours IST of today, the 24<sup>th</sup> November, 2025. It is very likely to move west-northwestwards and intensify into a depression over south Andaman Sea during next 24 hours. Continuing to move west-northwestwards, it is very likely to intensify further into a cyclonic storm over south Bay of Bengal during subsequent 48 hours.
- ❖ The upper air cyclonic circulation over Comorin area and neighbourhood extending upto middle tropospheric levels persisted over the same region at 0830 hours IST of today, the 24<sup>th</sup> November, 2025. Under its influence, a low-pressure area is likely to form over Comorin and adjoining areas of southwest Bay of Bengal & Sri Lanka around 25<sup>th</sup> November. It is likely to become more marked thereafter.
- ❖ An **upper cyclonic circulation** lay over southeast Arabian Sea in lower tropospheric levels.

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

- ❖ **Heavy rainfall** likely over Tamil Nadu during 25<sup>th</sup>-27<sup>th</sup>; Kerala & Mahe during 24<sup>th</sup>-26<sup>th</sup>, Lakshadweep on 24<sup>th</sup>, Andaman & Nicobar Islands during 25<sup>th</sup> and 29<sup>th</sup>, Coastal Andhra Pradesh & Yanam on 29<sup>th</sup> November with **very heavy rainfall over Tamil Nadu on 24<sup>th</sup> & 28<sup>th</sup>-30<sup>th</sup>, Andaman & Nicobar Islands during 26<sup>th</sup>-28<sup>th</sup>, Coastal Andhra Pradesh & Yanam on 30<sup>th</sup> November.**
- ❖ **Thunderstorm with lightning** very likely over Tamil Nadu during 24<sup>th</sup>-28<sup>th</sup>, Kerala & Mahe during 24<sup>th</sup>-26<sup>th</sup>, Lakshadweep on 24<sup>th</sup>, Coastal Andhra Pradesh & Yanam on 27<sup>th</sup> & 28<sup>th</sup> November and over Andaman & Nicobar Islands with **gusty wind speeds reaching 40-50 kmph** during the next 6 days.

**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, Uttarakhand; in the **range of 7-10°C** at many places over Punjab, Haryana Chandigarh & Delhi, West Uttar Pradesh & north Rajasthan. **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, Uttar Pradesh, Saurashtra & Kutch. **(refer to ANNEXURE IV)**

### Forecast of minimum temperatures:

- ❖ Gradual fall in minimum temperature likely by 2-3<sup>0</sup> C over many parts of northwest India during next 3 days and no significant change thereafter.
- ❖ No significant change in the minimum temperature likely over Central India during next 2 days and Gradual fall by 2-3<sup>0</sup> C during subsequent 3 days and no significant change thereafter.
- ❖ No significant change in the minimum temperature likely over rest part of the country during next 5 days.

### Dense Fog Warnings:

- ❖ **Dense fog conditions** very likely to prevail during night/early morning hours in isolated pockets of northwestern parts of West Uttar Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura on 25<sup>th</sup> November.

### Wind Warning, Sea Condition, Fisherman Warning:

#### Wind Warning

(a) South Andaman Sea and adjoining Nicobar Islands:

Squally weather with wind speed reaching 35-45 gusting to 55 kmph is very likely to prevail on 24th November. Winds speed would gradually increase becoming squally winds reaching 45-55 gusting to 65 kmph during 25th to 27th November. Thereafter, winds speed would gradually decrease.

(b) Adjoining areas of North Andaman Sea

Squally weather with wind speed reaching 35-45 gusting to 55 kmph is very likely to prevail during 25th to 27th November.

(c) Southeast Bay of Bengal

Squally weather with wind speed reaching 35-45 gusting to 55 kmph is very likely on 25th November. It would gradually increase becoming squally winds speed reaching 45-55 gusting to 65 kmph during 26th to 28th November.

(d) Southwest Bay of Bengal, Gulf of Mannar, Comorin area and along & off Tamil Nadu, Puducherry & Sri Lanka coasts

Squally weather with wind speed reaching 35-45 kmph gusting to 55 kmph likely to prevail during 24th to 26th November. It is very likely to increase becoming squally winds speed reaching 45-55 kmph gusting to 55 kmph from 27th morning till 29th November.

(e) Adjoining areas of Southeast Arabian Sea, Lakshadweep, Maldives and along & off Kerala coast

Squally weather with wind speed reaching 35-45 kmph gusting to 55 kmph likely to prevail during 24th to 27th November and also along & off South Kerala coast on 28th November.

(f) Westcentral Bay of Bengal and along & off Andhra Pradesh coast:

Squally weather with wind speed reaching 35-45 kmph gusting to 55 kmph likely to commence from 27th November. It is very likely to increase thereafter, becoming squally winds speed reaching 45-55 kmph gusting to 55 kmph during 29th – 30th November.

#### Sea Condition:

(a) South Andaman Sea and adjoining Nicobar Islands:

Moderate to rough sea conditions are very likely on 24th November, becoming rough to very rough during 25th to 27th November. Sea condition would gradually improve thereafter.

(b) Adjoining areas of North Andaman Sea

Moderate to rough sea conditions are very likely during 25th to 27th November.

(c) Southeast Bay of Bengal:

Moderate to rough sea conditions are very likely on 25th November, becoming rough to very rough during 26th to 28th November.

(d) Southwest Bay of Bengal, Gulf of Mannar, Comorin area and along & off Tamil Nadu, Puducherry & Sri Lanka coasts

Moderate to rough sea conditions are very likely during 24th to 26th November, becoming rough to very rough from 27th morning till 29th November.

(e) Adjoining areas of Southeast Arabian Sea, Lakshadweep, Maldives and along & off Kerala coast:

Moderate to rough sea conditions are very likely during 24th to 27th November.

(f) Westcentral Bay of Bengal and along & off Andhra Pradesh coast:

Moderate to rough sea conditions are very likely from 27th November, becoming rough to very rough during 29th – 30th November.

**Fishermen Warning:**

Fishermen are advised not to venture into

(a) South Andaman Sea till 27th.

(b) Southeast Bay of Bengal during 25th to 28th.

(c) Southwest Bay of Bengal, Gulf of Mannar, Comorin area and along & off Tamil Nadu, Puducherry & Sri Lanka coasts till 29th November

(d) Adjoining areas of westcentral Bay of Bengal and along & off Andhra Pradesh coast from 27th to 30th November

(e) Adjoining areas of Southeast Arabian Sea, Lakshadweep, Maldives and along & off Kerala coast during 24th to 27th November.

Those out at sea should avoid South Andaman Sea till 27th, Southeast Bay of Bengal during 25th to 28th, southwest Bay of Bengal till 29th and westcentral Bay of Bengal during 27th to 30th November.

**ii) Weather conditions and forecast over Delhi/NCR during 24<sup>th</sup>-27<sup>th</sup> November, 2025 (ANNEXURE III)**

**For more details, kindly refer National Weather Bulletin:**

[https://mausam.imd.gov.in/responsive/all\\_india\\_forecast\\_bulletin.php](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, Puducherry & Karaikal:** Oothu (dist Tirunelveli) 23; Nalumukku (dist Tirunelveli) 22; Sethiathope (dist Cuddalore), Kakkachi (dist Tirunelveli) 21 Each; Manjolai (dist Tirunelveli) 19; Chidambaram (dist Cuddalore), Parangipettai (dist Cuddalore), Madukkur (dist Thanjavur), Bhuvanagiri (dist Cuddalore), Thirukuvalai (dist Nagapattinam) 14 Each; Nagapattinam (dist Nagapattinam), Thalaigayyer (dist Nagapattinam), Vettikadu (dist Thanjavur) 13 Each; Orthanad (dist Thanjavur), Chidambaram AWS (dist Cuddalore), Annamalai Nagar (dist Cuddalore), Vadakuthu (dist Cuddalore), Velankanni (dist Nagapattinam) 12 Each; Thiruthuraipoondi (dist Tiruvarur), Neyveli AWS (dist Cuddalore), Ayyampettai (dist Thanjavur) 11 Each; Pattukottai (dist Thanjavur), Needamangalam (dist Tiruvarur), Sivakasi (dist Virudhunagar), Tirupoorndi (dist Nagapattinam), Kothavacherry (dist Cuddalore), Dscl Kalayanallur (dist Kallakurichi), Neivasal Thenpathi (dist Thanjavur), Gadana Dam (dist Tenkasi) 10 Each;
- ❖ **Lakshadweep:** Minicoy (dist Lakshadweep) 11;
- ❖ **Kerala & Mahe:** Kochi IAF (dist Ernakulam) 10.

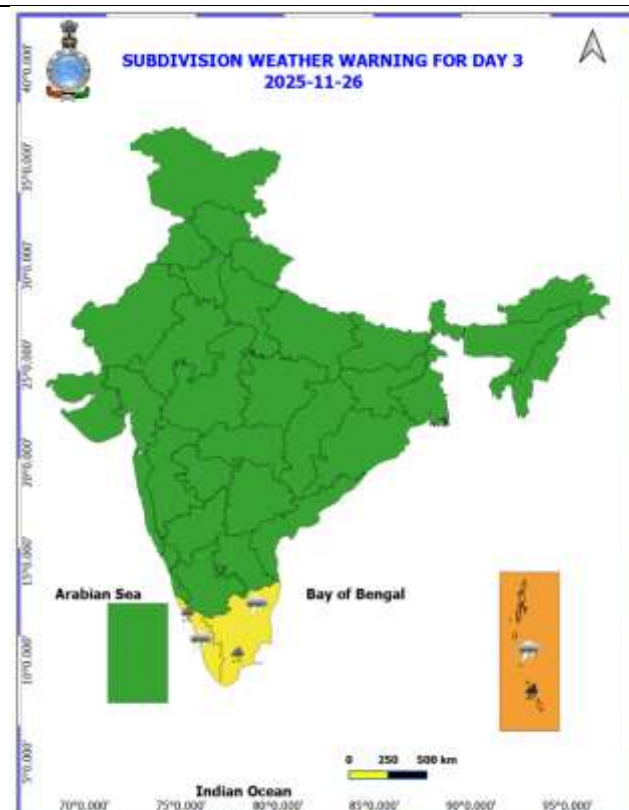
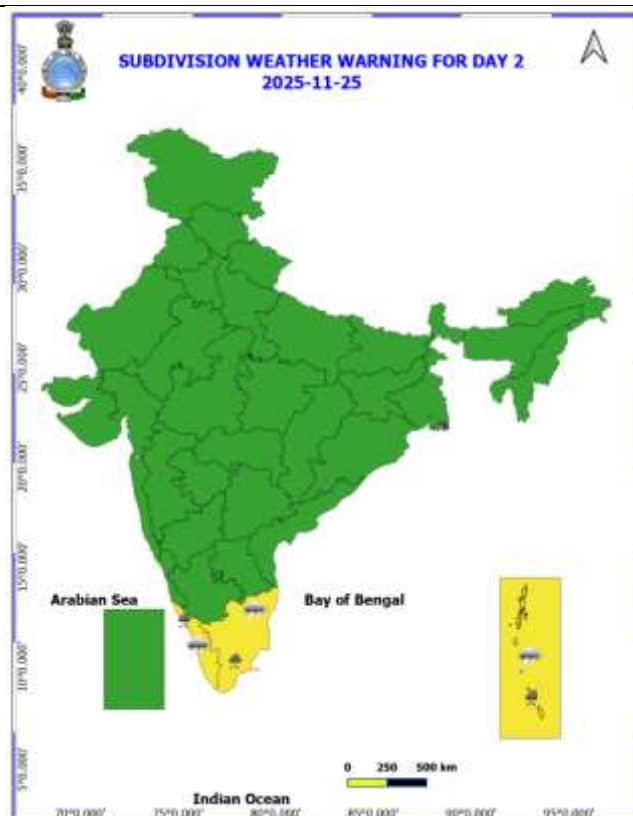
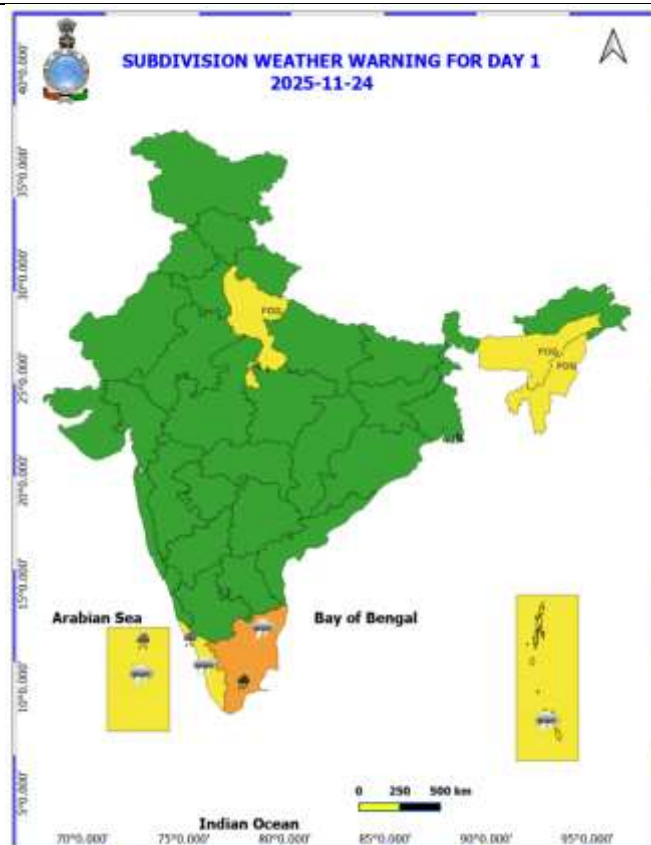
**Visibility reported ( $\leq 200$  m) (in meter):**

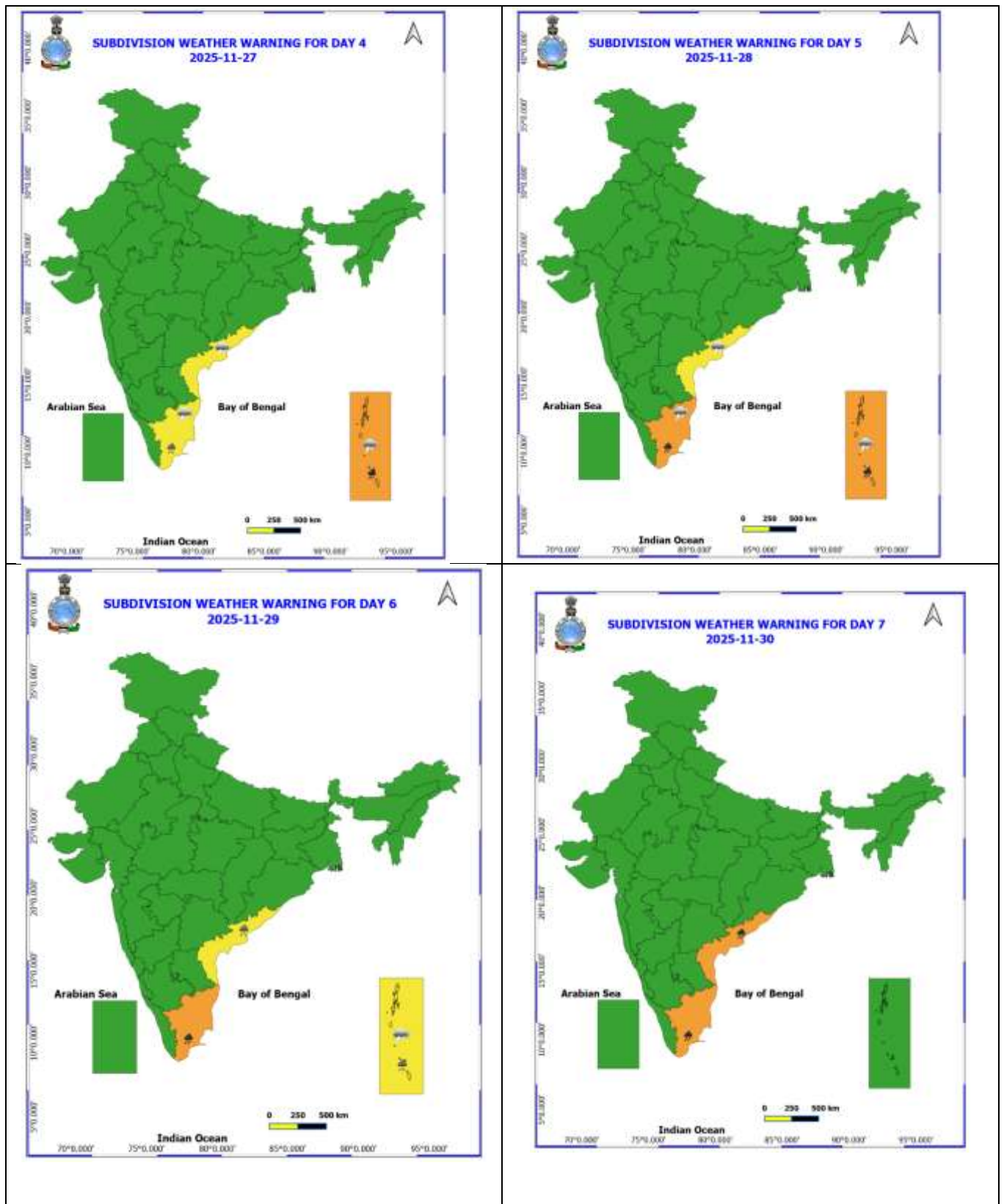
- ❖ **West Uttar Pradesh:** Bareilly(IAF)-00,
- ❖ **Odisha:** Koraput 50m
- ❖ **Himachal Pradesh:** Bilaspur-100m

Table-1								
7 Days Rainfall Forecast								
S.No.	Subdivision	24- Nov	25- Nov	26- Nov	27- Nov	28- Nov	29- Nov	30- Nov
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	FWS	FWS	W	W	W	W	W
2	ARUNACHAL PRADESH	ISOL	ISOL	ISOL	DRY	DRY	DRY	DRY
3	ASSAM & MEHGHALAYA	ISOL	DRY	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	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, 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	ISOL	DRY	DRY	DRY
18	EAST RAJASTHAN	DRY	DRY	DRY	ISOL	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	DRY	DRY	DRY	DRY	DRY	DRY
24	MADHYA MAHARASHTRA	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
25	MARATHWADA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
26	VIDARBHA	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	FWS	W
29	TELANGANA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
30	RAYALASEEMA	ISOL	ISOL	ISOL	ISOL	SCT	FWS	W
31	TAMILNADU & PUDUCHERRY	FWS	SCT	ISOL	ISOL	ISOL	SCT	ISOL
32	COSTAL KARNATAKA	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
33	NORTH INTERIOR KARNATAKA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
34	SOUTH INTERIOR KARNATAKA	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
35	KERALA AND MAHE	W	FWS	SCT	SCT	SCT	SCT	SCT
36	LAKSHADWEEP	W	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 24<sup>th</sup> to 27<sup>th</sup> November 2025****Past Weather:**

There has been slight fall in minimum temperature and no large change in maximum temperatures during past 24 hours over Delhi. The maximum and minimum temperatures over Delhi were around 25 to 27 °C and 09 to 11°C respectively. The minimum temperatures are appreciably below normal (-3.1 to 5.0°C) at isolated places and below normal (-1.6 to -3.0) at a few places and normal (-1.5 to 1.5°C) remaining parts of Delhi. The maximum temperatures were below normal (-1.6 to -3.0) at isolated places and normal (-1.5 to 1.5°C) at many places over Delhi. Smoke was reported at Safdarjung airport. Safdarjung airport recorded the lowest visibility 800m from 0730 Hrs IST to 0900 Hrs IST on 24.11.2025 which thereafter improved becoming 1000m at 0930 Hrs IST. Mainly clear sky conditions with predominant surface wind from the south westerly direction with a wind speed up to 10 kmph prevailed during the past 24 hours. Mainly clear sky conditions with calm wind in early morning hours as gradually increase becoming up to 04 kmph from the variable direction prevailed over the region in the forenoon today.

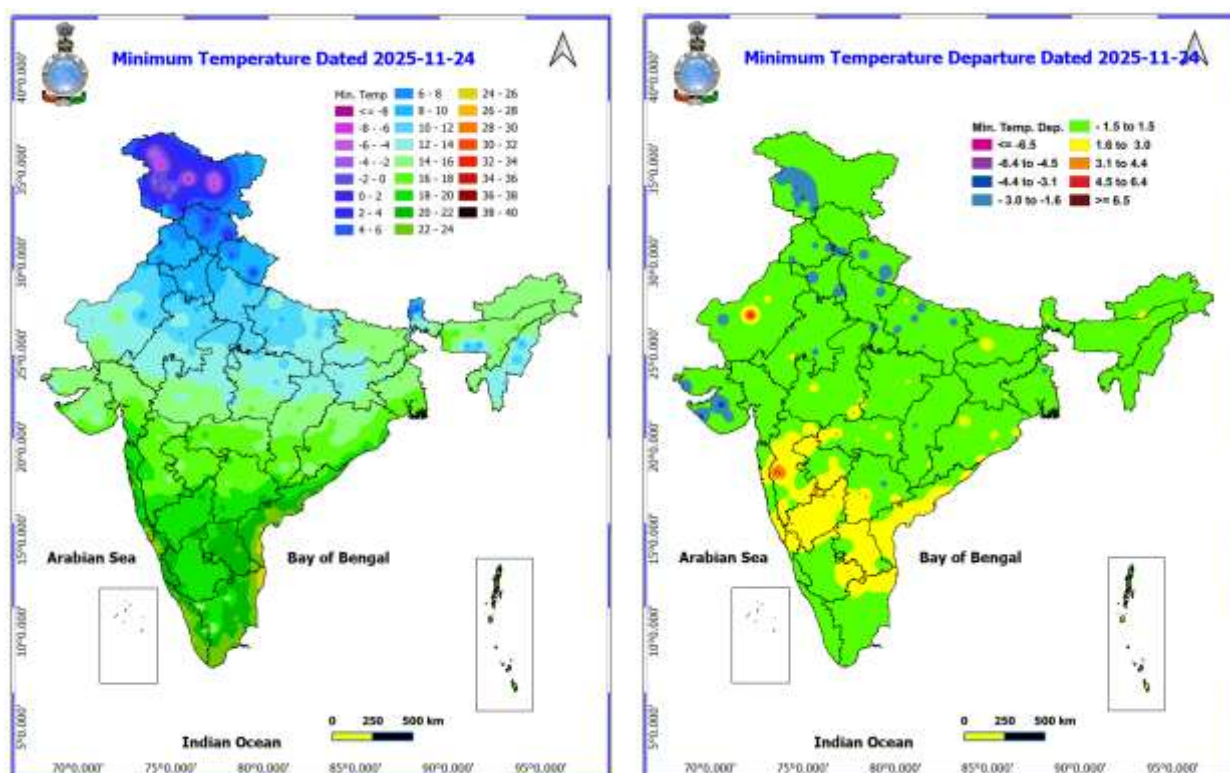
**Weather Forecast:**

**24.11.2025:** Mainly clear sky. Mist/Haze during night. The maximum temperatures are likely to be in the range of 24 to 26°C. The maximum temperatures will be near normal over the Delhi. The predominant surface wind will likely to be from the northwest direction with wind speed upto 10 kmph during afternoon hours. 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 23 to 25°C and 08 to 10°C respectively. The minimum temperatures will be below normal (-1.3 to -3.3°C) and maximum temperatures will be below normal (-1.7 to -3.7°C) over Delhi. The predominant surface wind will likely to be from the west-northwest direction with calm wind as gradually increase becoming up to 05 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 10 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 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 (-1.3 to -3.3°C) and maximum temperatures will be below normal (-1.7 to -3.7°C) over Delhi. The predominant surface wind will likely to be from the west direction with calm wind as gradually increase becoming up to 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 northeast direction during the evening and night.

**27.11.2025:** 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 23 to 25°C and 08 to 10°C respectively. The minimum temperatures will be below normal (-0.3 to -2.3°C) and the maximum temperature will be below normal (-1.0 to -3.0°C) over Delhi. The predominant surface wind will likely to be from the northeast direction with calm wind as gradually increase becoming up to 05 kmph during morning hours. The wind speed will remain same up to 05 kmph from the north direction in the afternoon. The predominant surface wind will likely to be from the north direction with calm wind as gradually increase becoming up to 05 kmph during the evening and night.



### Impact & Action Suggested due to

- ❖ Isolated **very Heavy rainfall likely** over Tamil Nadu on 24<sup>th</sup>, 28<sup>th</sup>-30<sup>th</sup>, Andaman & Nicobar Islands during 26<sup>th</sup>-28<sup>th</sup>, Coastal Andhra Pradesh & Yanam on 30<sup>th</sup> 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. Make necessary arrangements to 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 Marathawada.
  - **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  $4.5^{\circ}\text{C}$  to  $6.4^{\circ}\text{C}$ .

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  $40^{\circ}\text{C}$

Warm Night: When minimum temperature departure  $4.5^{\circ}\text{C}$  to  $6.4^{\circ}\text{C}$ .

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  $-4.5^{\circ}\text{C}$  to  $-6.4^{\circ}\text{C}$ .

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  $-4.5^{\circ}\text{C}$  to  $-6.4^{\circ}\text{C}$ .

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)