



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



Press Release

Date: 27th November, 2025

Time of Issue: 1350 hours IST

Subject: (i) Cyclonic storm "Senyar" over Strait of Malacca and adjoining Northeast Indonesia weakened into deep depression.

(ii) Another Deep Depression lay over southwest Bay of Bengal & adjoining Sri Lanka coast. It is very likely to cause heavy to very heavy rainfall over Tamil Nadu during 27th -30th November with isolated extremely heavy falls on 28th & 29th November; isolated heavy to very heavy rainfall also likely over Coastal Andhra Pradesh & Yanam and Rayalaseema during 28th November-01st December with isolated extremely heavy falls on 30th November 2025.

Realised weather during past 24 hours ending at 0830 hours IST of today, the 27th November, 2025:

- ❖ **Dense fog (visibility 50-199 m):** reported in isolated pockets of Odisha and Himachal Pradesh.
- ❖ **Cold wave conditions** at isolated places over Punjab.

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

- ❖ Yesterday's cyclonic storm "Senyar" [Pronunciation: 'Sen-yar'] over coastal areas of Northeast Indonesia and adjoining strait of Malacca weakened into deep depression and lay centered at 0530 hours IST of today, the 27th November 2025 near latitude 3.7°N and longitude 99.2°E over the Strait of Malacca. The Deep Depression [Remnant of Cyclonic Storm "Senyar"] over the Strait of Malacca moved nearly eastwards with a speed of 18 kmph in past 6 hours, and lay centred at 0830 hours IST of today, the 27th November 2025 near latitude 3.7°N and longitude 99.6°E over the same region, about 200 km south-southwest of George Town (Malaysia), 320 km east-southeast of Kuta Makmur (Indonesia), 820 km southeast of Nancowry (Nicobar Islands) and 960 km southeast of Car Nicobar (Nicobar Islands). It is very likely to move nearly eastwards and weaken further into a Depression during next six hours.
- ❖ Yesterday's well marked low-pressure area over southwest Bay of Bengal and adjoining areas of Southeast Sri Lanka & Equatorial Indian Ocean intensified into Depression over southwest Bay of Bengal and adjoining Sri Lanka coast at 2330 hours IST of yesterday, the 26th November, 2025. It moved north-northwestwards, intensified into a deep depression and lay centered at 0530 hrs IST of today, the 27th November 2025 over the same region. The Deep Depression over southwest Bay of Bengal and adjoining Sri Lanka coast moved north-northwestwards with a speed of 17 kmph during past 6 hours, and lay centered at 0830 hrs IST of today, the 27th November 2025 over the same region near latitude 6.7°N and longitude 82.1°E, about 120 km south-southeast of Batticaloa (Sri Lanka), 130 km east-northeast of Hambantota (Sri Lanka), and, 640 km south-southeast of Puducherry (India) and 730 km south-southeast of Chennai (India). It is very likely to continue to move nearly north-northwestwards across southwest Bay of Bengal & adjoining Sri Lanka and intensify further into a cyclonic storm during next 03 hours. Thereafter, it is very likely to continue to move north-northwestwards across southwest Bay of Bengal & adjoining Sri Lanka coast towards North Tamil Nadu, Puducherry and adjoining south Andhra Pradesh coasts during subsequent 48 hours.
- ❖ The Western disturbance as a cyclonic circulation lay over central Pakistan adjoining Afghanistan in lower and middle tropospheric levels.
- ❖ An induced cyclonic circulation lay over southwest Rajasthan in the lower tropospheric level.

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

- ❖ **Under the influence of Deep Depression** over southwest Bay of Bengal and adjoining Sri Lanka coast, heavy to very heavy rainfall likely over Tamil Nadu during 27th -30th November with isolated extremely heavy falls on 28th & 29th November; isolated heavy to very heavy rainfall likely over Rayalaseema during 28th November-01st December, 2025, with isolated extremely heavy falls on 30th November; isolated heavy to very heavy rainfall also likely over Coastal Andhra Pradesh & Yanam and Rayalaseema during 28th November-02nd December, 2025, with isolated extremely heavy falls on 30th November and isolated heavy rainfall over Kerala & Mahe during 27th – 29th; over Telangana on 30th November & 01st December; over South Interior Karnataka on 29th November, 2025.
- ❖ **Thunderstorm with lightning** very likely over Tamil Nadu during 27th November-01st December; over Kerala & Mahe during 27th-29th; Coastal Andhra Pradesh & Yanam during 28th November – 01st December; North interior Karnataka on 30th & South Interior Karnataka on 29th & 30th November and over Andaman & Nicobar Islands with **gusty wind speeds reaching 30-40 kmph on 28th & 29th and 40-50 kmph on 27th November.**

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, Himachal Pradesh; at isolated places over Uttarakhand; in the **range of 6-10°C** at many places over Punjab, Haryana Chandigarh & Delhi; at few places over Uttar Pradesh & north Rajasthan and isolated places over West Madhya Pradesh, north Chhattisgarh and Bihar. **The lowest minimum temperature of 5.7°C is reported at Hissar (Haryana) over the plains of India.**
- ❖ **Minimum Temperature** were below normal (-1.6°C to -3.0°C) at many places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad; at isolated places over Punjab, Haryana, Uttar Pradesh, Jharkhand and North Chhattisgarh (**refer to ANNEXURE IV**)

Forecast of minimum temperatures:

- ❖ Gradual rise in minimum temperature by 2-3^o C for next 2 days over Northwest India and thereafter fall by 2-3^o C.
- ❖ Gradual fall in minimum temperature by 2-3^o C for next 2 days over the major parts of Central India and thereafter no large change.
- ❖ Gradual rise in minimum temperature by 2-3^o C for next 3 days over East India and thereafter no large change.
- ❖ No large change in minimum temperature likely over West India for the next 24 hours and gradual fall in minimum temperature likely by 2-3^o C for the subsequent 4 days.
- ❖ No significant change in the minimum temperature likely in north east India during next 5 days.

Dense Fog & Cold wave warning Warnings:

- ❖ **Dense fog conditions** very likely to prevail during early morning hours in isolated pockets of Himachal Pradesh and Haryana Chandigarh & Delhi during 28th -30th; over East Rajasthan on 30th November-01st December.
- ❖ **Cold wave conditions** very likely to prevail in isolated pockets of Punjab on 28th & 29th November; over Rajasthan on 03rd -04th December, 2025.

Wind Warning, Sea Condition, Fisherman Warning:

Wind Warning

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

Squally weather with wind speed reaching 55-65 gusting to 75 kmph is prevailing and likely to become Gale wind speed reaching 60-70 gusting to 80 kmph from afternoon of today, the 27th November and increase further becoming 70-80 kmph gusting to 90 kmph by 28th morning and 80-90 kmph gusting to 100 kmph by 29th morning till 30th November. Thereafter it is likely to decrease gradually on 01st December.

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

Squally weather with wind speed reaching 35-45 kmph gusting to 55 kmph is prevailing. It is very likely to increase becoming squally winds speed reaching 50-60 kmph gusting to 70 kmph from 28th evening and Gale wind speed reaching 60-70 kmph gusting to 80 kmph from 29th evening till 30th November. Thereafter it is likely to decrease gradually on 01st December.

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

Squally weather with wind speed reaching 40-50 kmph gusting to 60 kmph likely to prevail during 27th-29th November.

(d) adjoining Southeast Bay of Bengal:

Squally weather with wind speed reaching 35-45 gusting to 55 kmph is very likely till 28th November.

(e) Strait of Malacca, Malaysia and adjoining areas of South Andaman Sea, along & off Nicobar Islands, Indonesia, and Thailand:

Squally winds speed reaching 55-65 gusting to 75 kmph is prevailing and likely to decrease gradually becoming 45-55 gusting to 64 kmph by evening of today, the 27th November.

(f) Adjoining areas of North Andaman Sea

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

Sea Condition:

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

Rough to very rough sea conditions are prevailing and likely to become very rough to High from afternoon of today, the 27th November till 30th November. Thereafter it is likely to improve gradually on 01st December.

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

Rough sea conditions are prevailing. It is very likely to become rough to very rough from 28th evening and very rough to High from 29th evening till 30th November. Thereafter it is likely to improve gradually on 01st December.

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

Rough to very rough sea conditions are likely to prevail during 27th-29th November.

(d) adjoining Southeast Bay of Bengal:

Rough sea conditions are very likely to prevail till 28th November.

(e) Strait of Malacca, Malaysia and adjoining areas of South Andaman Sea, along & off Nicobar Islands, Indonesia, and Thailand:

Very rough to rough sea conditions are prevailing and likely to become rough sea conditions by evening of today, the 27th November.

(f) Adjoining areas of North Andaman Sea

Rough sea conditions are very likely to prevail on 27th November.

Fishermen Warning:

- (a) Total suspension of fishing operations in coastal areas of Sri Lanka, Tamil Nadu, Puducherry and south Andhra Pradesh coasts till 01st December.
- (b) **Fishermen are advised not to venture into**
- (i) Southwest Bay of Bengal, Gulf of Mannar, Comorin area and along & off Tamil Nadu, Puducherry & Sri Lanka coasts till 01st December.
 - (ii) Adjoining areas of Southeast Arabian Sea, Lakshadweep, Maldives and along & off Kerala coast till 30th November.
 - (iii) Southeast Bay of Bengal till 28th November.
 - (iv) Adjoining areas of westcentral Bay of Bengal and along & off Andhra Pradesh coast from 27th to 30th November
 - (v) Indonesia & Malaysia, Strait of Malacca, and adjoining areas of South Andaman Sea, along & off Nicobar Islands, and Thailand till 28th November.
- (c) Those out at sea should avoid southwest Bay of Bengal, Gulf of Mannar, Comorin area and along & off Tamil Nadu, Puducherry & Sri Lanka coasts; adjoining westcentral Bay of Bengal till 01st December and Southeast Arabian Sea, Lakshadweep, Maldives and along & off Kerala coast till 30th November.
- (d) The fishermen along & off South Andhra Pradesh coast should return to coast.

ii) Weather conditions and forecast over Delhi/NCR during 27th-30th 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):

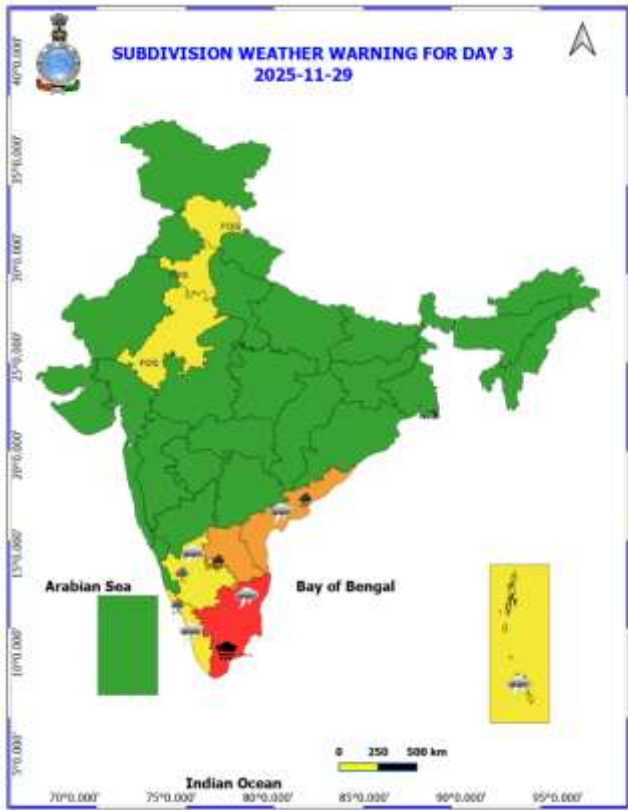
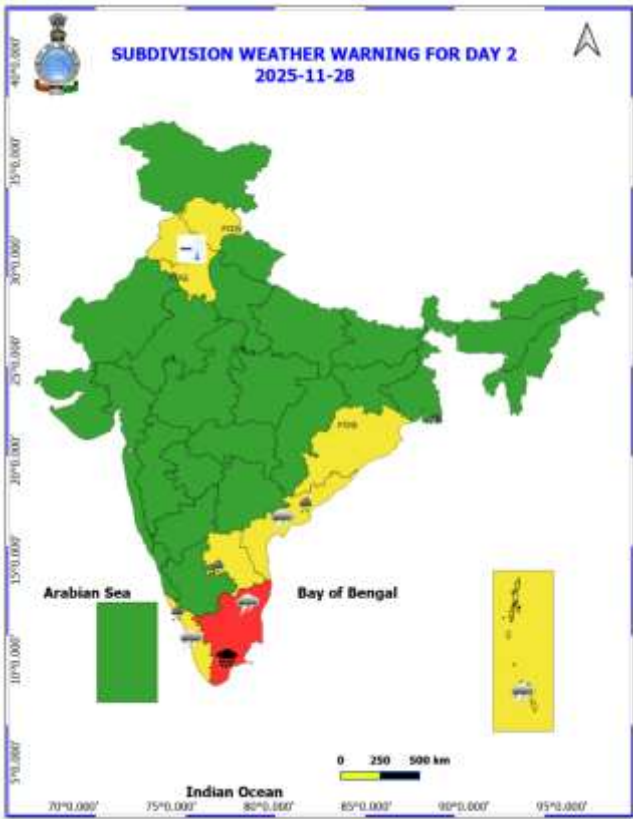
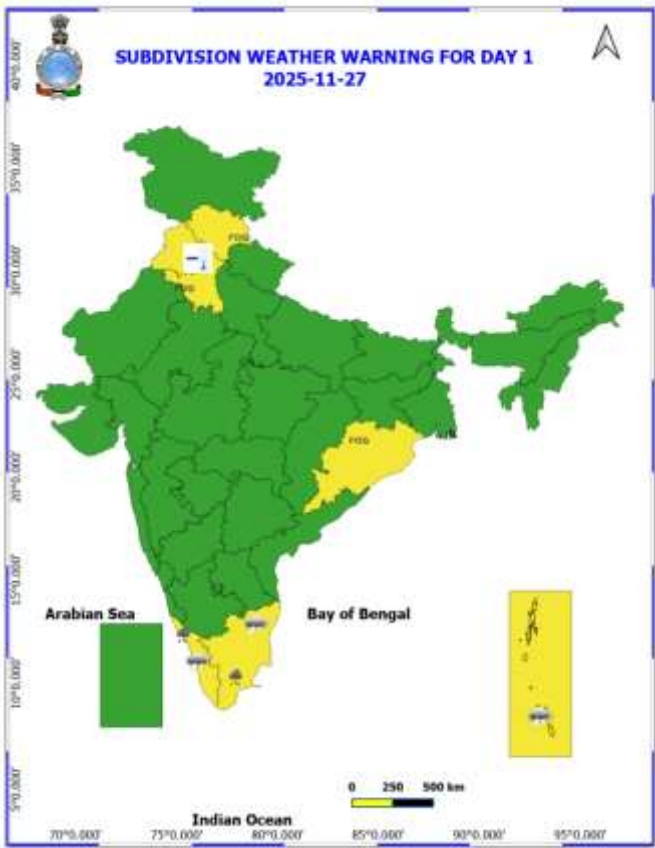
Tamil Nadu, Puducherry & Karaikal: Thangachimadam (dist Ramanathapuram) 3, Pechiparai (dist Kanyakumari), Rameswaram (dist Ramanathapuram), Suralacode (dist Kanyakumari), Mandapam (dist Ramanathapuram), Nalumukku (dist Tirunelveli), Oothu (dist Tirunelveli) 1 Each.

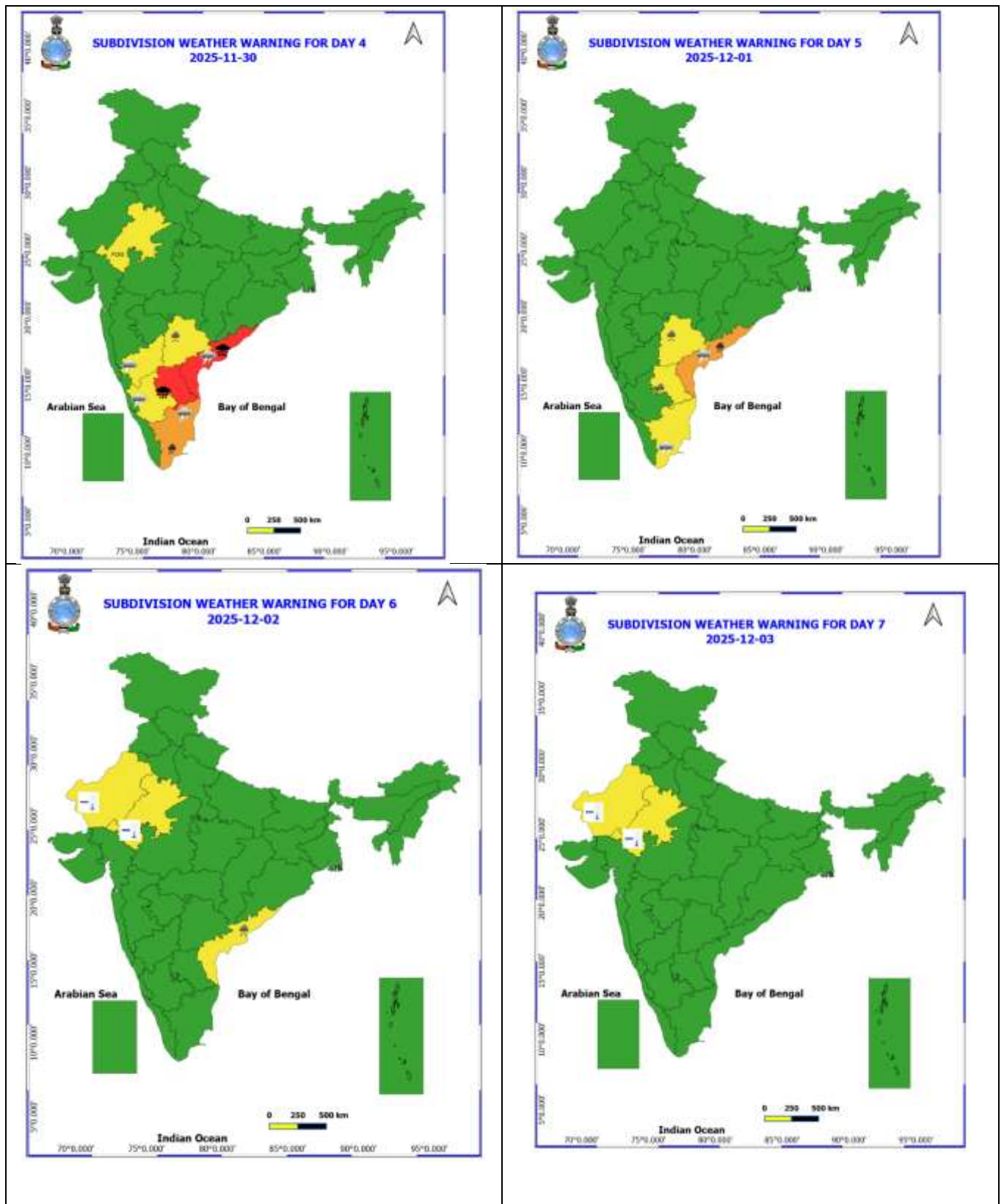
Visibility reported (≤ 200 m) (in meter):

- ❖ **Himachal Pradesh:** Sundernagar-70m, Mandi-100m, Bilaspur-150m
- ❖ **Odisha:** Sonapur-100 m

Table-1								
7 Days Rainfall Forecast								
S.No.	Subdivision	27- Nov	28- Nov	29- Nov	30- Nov	1- Dec	2- Dec	3- Dec
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
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	DRY	DRY	DRY	DRY	DRY	DRY	DRY
6	GANGETIC WEST BENGAL	DRY	DRY	DRY	DRY	DRY	DRY	DRY
7	ODISHA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
8	JHARKHAND	DRY	DRY	DRY	DRY	DRY	DRY	DRY
9	BIHAR	DRY	DRY	DRY	DRY	DRY	DRY	DRY
10	EAST UTTAR PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
11	WEST UTTAR PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
12	UTTARAKHAND	DRY	DRY	DRY	DRY	DRY	DRY	DRY
13	HARYANA, 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	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
18	EAST RAJASTHAN	ISOL	ISOL	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	ISOL	ISOL	DRY	DRY
27	CHHATTISGARH	DRY	DRY	DRY	ISOL	ISOL	ISOL	DRY
28	COASTAL ANDHRA PRADESH	ISOL	SCT	FWS	WFS	WFS	FWS	SCT
29	TELANGANA	DRY	DRY	ISOL	FWS	ISOL	DRY	DRY
30	RAYALASEEMA	ISOL	SCT	WFS	WFS	FWS	SCT	SCT
31	TAMILNADU & PUDUCHERRY	ISOL	SCT	FWS	SCT	ISOL	ISOL	ISOL
32	COSTAL KARNATAKA	DRY	DRY	ISOL	ISOL	ISOL	ISOL	ISOL
33	NORTH INTERIOR KARNATAKA	DRY	DRY	ISOL	ISOL	DRY	DRY	DRY
34	SOUTH INTERIOR KARNATAKA	DRY	ISOL	FWS	SCT	ISOL	ISOL	ISOL
35	KERALA AND MAHE	SCT	SCT	SCT	SCT	ISOL	ISOL	ISOL
36	LAKSHADWEEP	SCT	SCT	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 27th to 30th November 2025**Past Weather:**

No significant change in maximum temperatures and minimum temperatures during the past 24 hours over Delhi. The maximum and minimum temperatures over Delhi were around 22 to 25 °C and 08 to 09°C, respectively. The minimum temperatures are appreciably below normal (-3.1 to 5.0°C) at a few places and below normal (-1.6 to -2.5 °C) at many places in Delhi. The maximum temperatures are appreciably below normal (-3.1 to 5.0°C) at isolated places and below normal (-1.6 to -3.0 °C) at isolated places and normal (-1.5 to 1.5°C) over the remaining parts of Delhi. Smoke was reported at Palam and Safdarjung Airport. Safdarjung airport recorded the lowest visibility of 700m from 0730 Hrs IST to 0800 Hrs IST on 27.11.2025, which thereafter improved, becoming 800m at 0800 Hrs IST. Palam airport recorded the lowest visibility of 900m at 1000 Hrs IST on 27.11.2025, which thereafter improved, becoming 1100m at 1030 Hrs IST. Mainly clear sky conditions with predominant surface wind from the west direction with a wind speed up to 08 kmph prevailed during the past 24 hours. Mainly clear sky conditions with calm wind in early morning hours, gradually increasing up to 04 kmph from the variable directions prevailed over the region in the forenoon today.

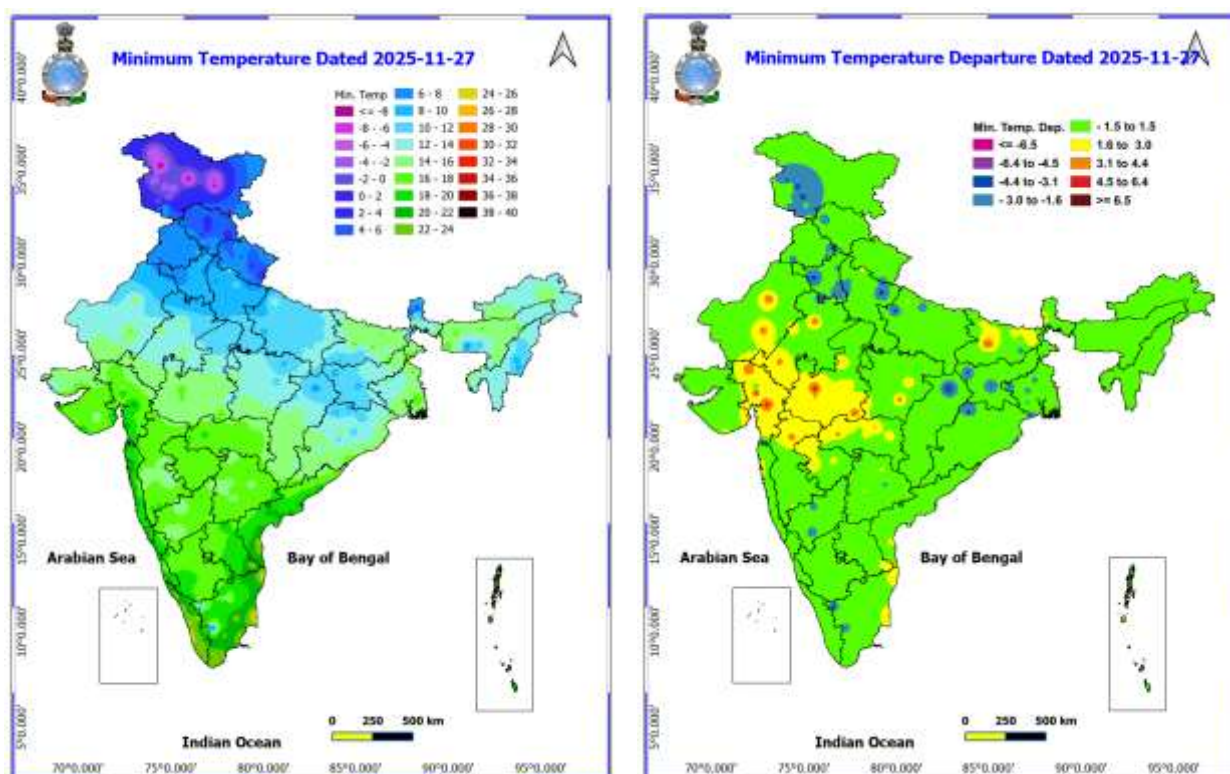
Weather Forecast:

27.11.2025: Mainly clear sky. Mist/Haze during the night. The maximum temperatures are likely to be in the range of 24 to 26°C. The maximum temperatures will be below normal (-0.5 to -2.0 °C) over Delhi. The predominant surface wind is likely to be from the north direction with calm wind as it gradually increases, reaching up to 05 kmph during the afternoon hours. The wind speed will remain the same up to 05 kmph from the north-northwest direction during the evening and night.

28.11.2025: Partly Cloudy sky. Shallow fog during the 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 (-0.7 to -1.3°C) and maximum temperatures will be below normal (-1 to -2°C) over Delhi. The predominant surface wind is likely to be from the north direction, with calm wind gradually increasing, becoming up to 05 kmph during morning hours. The wind speed will increase, becoming less than 10 kmph from the north-northwest direction in the afternoon. The wind speed will decrease, becoming less than 05 kmph from the northwest direction during the evening and night.

29.11.2025: Mainly clear sky. Shallow fog during morning hours. The maximum and minimum temperatures over Delhi are likely to be in the range of 26 to 28°C and 11 to 13°C respectively. The minimum temperatures will be above normal (+0.7 to +2.7 °C) and maximum temperatures will be above normal (+1.0 to +2.0°C) over Delhi. The predominant surface wind is likely to be from the northwest direction with wind speeds up to 10 kmph during morning hours. The wind speed will remain the same up to 10 kmph from the northwest direction in the afternoon. The wind speed will be less than 10 kmph from the west direction during the evening and night.

30.11.2025: Partly Cloudy sky. Shallow fog during morning hours. The maximum and minimum temperatures over Delhi are likely to be in the range of 25 °C to 27°C and 11 °C to 13°C, respectively. The minimum temperatures will be above normal (+0.7 to +2.7 °C), and the maximum temperature will be near normal over Delhi. The predominant surface wind is likely to be from the west direction with wind speeds up to 10 kmph during morning hours. The wind speed will remain same up to 10 kmph from the northwest direction in the afternoon. The predominant surface wind is likely to be from the west-northwest direction with wind speed up to 05 kmph during the evening and night.



Impact & Action Suggested due to

- ❖ Heavy to very heavy rainfall likely over Tamil Nadu during 27th -30th November with isolated extremely heavy falls on 28th & 29th November; isolated heavy to very heavy rainfall likely over Rayalaseema during 28th November-01st December, 2025, with isolated extremely heavy falls on 30th November; isolated heavy to very heavy rainfall also likely over Coastal Andhra Pradesh & Yanam and Rayalaseema during 28th November-02nd December, 2025, with isolated extremely heavy falls on 30th November and isolated heavy rainfall over Kerala & Mahe during 27th - 29th; over Telangana on 30th November & 01st December; over South Interior Karnataka on 29th November, 2025.

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 **Andhra Pradesh**, harvest the matured rice immediately and shift the harvested produce to safer places.

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

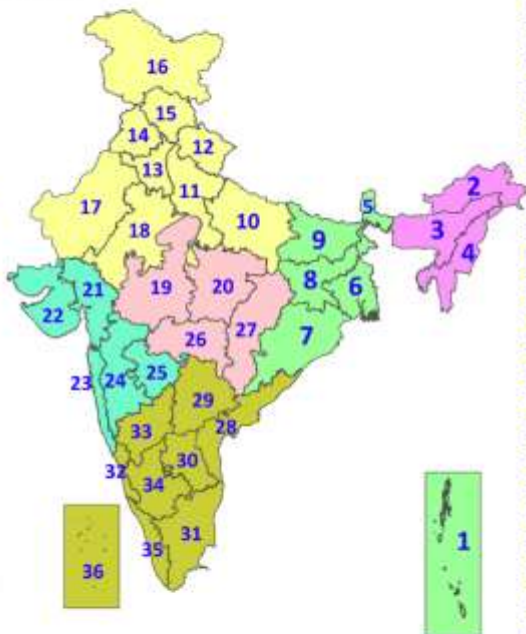
- Provide mechanical support to horticultural crops and staking or support to vegetables and young fruit plants / fruit-bearing plants to avoid lodging due to strong winds.

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.
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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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