Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release
Date: 15th November 2026
Time of Issue:1350 hours IST

Subject:(i) Depression over Southeast & adjoining Southwest Bay of Bengal moving north-northwestwards likely to intensify into a Cyclonic storm over the central parts of south & adjoining westcentral Bay of Bengal on 16th November, into a Severe Cyclonic Storm over westcentral Bay of Bengal on 17th November, 2026. Thereafter, it is likely to intensify further and move northwestwards towards Andhra Pradesh coast during subsequent 2 days.
(ii) Under the influence of above system heavy to very heavy rainfall at a few places with isolated extremely heavy rainfall likely over Coastal Andhra Pradesh & Yanam during 19th-20th November and isolated heavy to very heavy rainfall likely over Tamil Nadu during 18th to 19th and over Odisha during 19th- 21st November 2026.

Realized weather during past 24 hours ending at 0830 hours IST of today, the 15th November, 2026:

- **Dense to very dense fog (visibility < 200 m)** reported in isolated pockets of Uttar Pradesh**.**
- **Visibility reported (< 200 meters): West Uttar Pradesh**: Bareilly (IAF)-00, Bareilly 50; **East Uttar Pradesh**: Kushinagar (AMS)-00, Ayodhya (AMS) & Azamgarh (AMS)-50 each.

Weather Systems, Forecast and Warnings (Annexure I & II):

- Yesterday's **Well Marked Low Pressure Area** over Southeast Bay of Bengal intensified into a **Depression** and lay centered over Southeast & adjoining Southwest Bay of Bengal at 0530 hours IST of today, the 15th November 2026. It moved nearly northwards and lay centered over the same region at 0830 hours IST of today, the 15th November, 2026. It is very likely to move north-northwestwards, intensify further into a **Cyclonic Storm** over the central parts of south & adjoining westcentral Bay of Bengal on 16th November and into a **Severe Cyclonic Storm** over westcentral Bay of Bengal on 17th November, 2026. Thereafter, it is likely to intensify further and move northwestwards towards Andhra Pradesh coast during subsequent 2 days.
- The east-west **trough** runs from the cyclonic circulation associated with the above Depression over Southeast & adjoining Southwest Bay of Bengal to northern parts of Maldives in lower tropospheric levels.
- The **Western Disturbance** as a cyclonic circulation lies over north Pakistan & neighbourhood in lower tropospheric level with a trough aloft in middle tropospheric level roughly along long 70°E to the north of Lat 32°N.
- An **upper air cyclonic circulation** lies over Southwest Rajasthan & neighbourhood in lower tropospheric level.
- An **upper air cyclonic circulation** lies over Northeast Assam & neighbourhood in lower tropospheric levels.
- An **upper air cyclonic circulation** lies over Sub-Himalayan West Bengal & neighbourhood in lower tropospheric levels.
- An **upper air cyclonic circulation** lies over Southeast Arabian Sea off Kerala coast in lower tropospheric level.

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

Northwest India:

- **Isolated to Scattered** rainfall likely over Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and Uttarakhand on 15th November.
- **Isolated to Scattered** rainfall likely over East Rajasthan, Haryana Chandigarh & Delhi, Punjab, West Rajasthan and West Uttar Pradesh on 15th November.
- Isolated **thunderstorm, lightning & gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Uttarakhand on 15th November.
- Isolated **thunderstorm & lightning** likely over East Rajasthan on 15th November.

Central India:

- **Isolated to Scattered** rainfall likely over West Madhya Pradesh on 21st November; East Madhya Pradesh and Vidarbha during 20th-21st November; Chhattisgarh during 19th-21st November.
- Isolated **heavy rainfall** likely over south Chhattisgarh on 20th and north Chhattisgarh on 21st November.

East India:

- **Fairly Widespread to Widespread** rainfall likely over Andaman & Nicobar Islands during 15th-19th November; Odisha during 19th-21st November.
- **Isolated to Scattered** rainfall likely over Andaman & Nicobar Islands during 20th-21st November; Sub-Himalayan West Bengal & Sikkim during 15th-16th November; Gangetic West Bengal during 18th-21st November; Jharkhand during 19th-21st November; Odisha on 18th November.
- Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Andaman & Nicobar Islands during 15th-17th November; Gangetic West Bengal during 19th-20th November; Odisha on 18th November, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Andaman & Nicobar Islands during 18th-21st November; Gangetic West Bengal on 21st November.
- Isolated **heavy rainfall** likely over Gangetic West Bengal during 19th-20th November; Jharkhand during 20th-21st November; Odisha on 18th November with isolated **very heavy rainfall** also likely over Odisha during 19th-21st November.
- **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Odisha during 19th-21st November.

Northeast India:

- **Isolated to Scattered** rainfall likely over Arunachal Pradesh during 15th-21st November; Assam & Meghalaya during 15th-16th November and during 19th-21st November; Nagaland, Manipur, Mizoram & Tripura on 15th November and during 18th-21st November.
- Isolated **thunderstorm & lightning** likely over Nagaland, Manipur, Mizoram & Tripura during 18th-20th November.
- Isolated **heavy rainfall** likely over Mizoram & Tripura on 19th November.

South Peninsular India:

- **Isolated to Scattered** rainfall likely over Kerala & Mahe, Rayalaseema and Tamil Nadu, Puducherry & Karaikal during 15th-21st November; Lakshadweep on 15th November and on 21st November; Coastal Andhra Pradesh & Yanam during 15th-18th November and during 20th-21st November; Telangana during 19th-21st November.
- **Fairly Widespread to Widespread** rainfall likely over Coastal Andhra Pradesh & Yanam on 19th November.
- Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Coastal Andhra Pradesh & Yanam and Tamil Nadu, Puducherry & Karaikal during 18th-20th November; Telangana on 20th November.
- Isolated **heavy rainfall** likely over Tamil Nadu, Puducherry & Karaikal during 17th & 20th November; Coastal Andhra Pradesh & Yanam on 18th November; Rayalaseema during 19th-20th November; Telangana on 20th November with isolated very heavy rainfall also likely over Tamil Nadu, Puducherry & Karaikal on 18th & 19th November.
- **Heavy to very heavy rainfall at a few places with isolated extremely heavy rainfall likely over Coastal Andhra Pradesh & Yanam during 19th-20th November**.

West India:

- **No significant weather likely over West India during the week**

Fog warning:

- **Dense fog conditions** very likely over Uttar Pradesh during 15th-17th November.

Wind warning:

- Andaman Sea and along & off Andaman & Nicobar Islands:
  Squally weather with wind speed reaching 40-50 gusting to 60 kmph is very likely to prevail till 17th November.
- Southeast Bay of Bengal:
  Squally weather with wind speed reaching 40-50 gusting to 60 kmph is very likely to prevail on 15th November. It is likely to increase becoming squally wind speed of 55 to 65 gusting to 75 kmph from morning of 16th, Gale wind speed 60-70 kmph gusting to 80 kmph from noon of 16th and 80-90 kmph gusting to 100 kmph for subsequent 24 Hours.
- Southwest Bay of Bengal:
  Squally weather with wind speed reaching 40-50 gusting to 60 kmph is very likely to prevail on 15th November. It is likely to increase becoming Squally wind 55-65 kmph gusting to 70 kmph from morning of 16th November and Gale wind speed reaching 65-75 kmph gusting to 85 kmph from noon of 16th. It is likely to becoming 85-95 kmph gusting 105 kmph from morning 17th and 100-110 kmph gusting to 120 kmph from morning of 18th November for subsequent 12 hours.

❖ Central Bay of Bengal:

Squally wind speed reaching 45-55 gusting to 65 kmph is likely to prevail on 16th November. It is likely to increase becoming Gale wind speed reaching 60-80 kmph gusting to 90 kmph from evening of 16th November and 90-100 kmph gusting to 120kmph. It is likely to become 120 to 130 kmph gusting to 145 kmph from 18th morning for subsequent 2 days.

❖ Northwest Bay of Bengal:

Squally wind speed reaching 45-55 gusting to 65 kmph is likely to prevail from night of 18th November, likely to increase becoming 50-60 gusting to 70 kmph from 19th morning till 20th November morning.

Sea condition:

❖ Andaman Sea and along & off Andaman & Nicobar Islands:

Rough to very rough sea condition is very likely to prevail till 17th November.

❖ Southeast Bay of Bengal:

Rough to very rough sea condition is very likely till 16th November, becoming very rough to high from 17th to 18th November.

❖ Southwest Bay of Bengal:

Rough to very rough sea condition is very likely on 15th November, becoming very rough to high on 16th November and high to very high from 17th to 19th November

❖ Central Bay of Bengal:

Rough to very rough sea condition is very likely on 16th November. It is likely to deteriorate becoming high to very high from 17th to 18th November and very high to phenomenal from of 19th for subsequent 2 days.

❖ Northwest Bay of Bengal:

Rough to very rough sea condition is very likely on 19th November.

Fisherman warning:

Fishermen out at sea are advised to return to coasts by today, the 15th November, 2026.
Fishermen are advised not to venture into

- ❖ Andaman Sea and along & off Andaman & Nicobar Islands till 17th November.
- ❖ Southeast Bay of Bengal from till 17th November.
- ❖ Southwest Bay of Bengal during 15th – 19th November.
- ❖ Central Bay of Bengal during 16th – 20th November.
- ❖ Northwest Bay of Bengal during 19th - 20th November.

Weather conditions and forecast over Delhi/NCR during next 4 days (Annexure III)

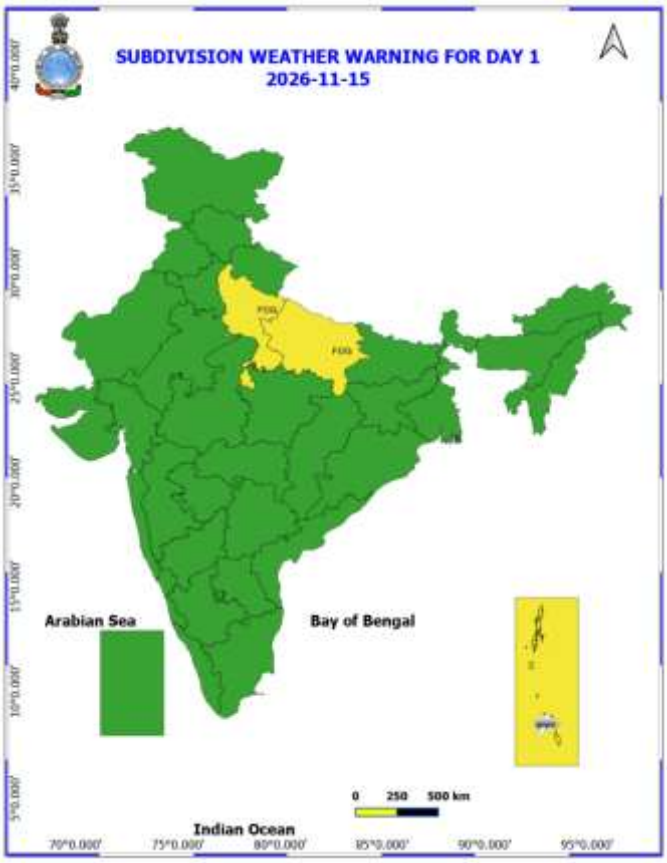
For more details, kindly refer National Weather Bulletin: https://mausam.imd.gov.in/responsive/all_india_forcast_bulletin.php
For District wise warnings refer: https://mausam.imd.gov.in/responsive/districtWiseWarningGIS.php
For Fishermen warning refer https://rsmcnewdelhi.imd.gov.in/fishermenwarning.php

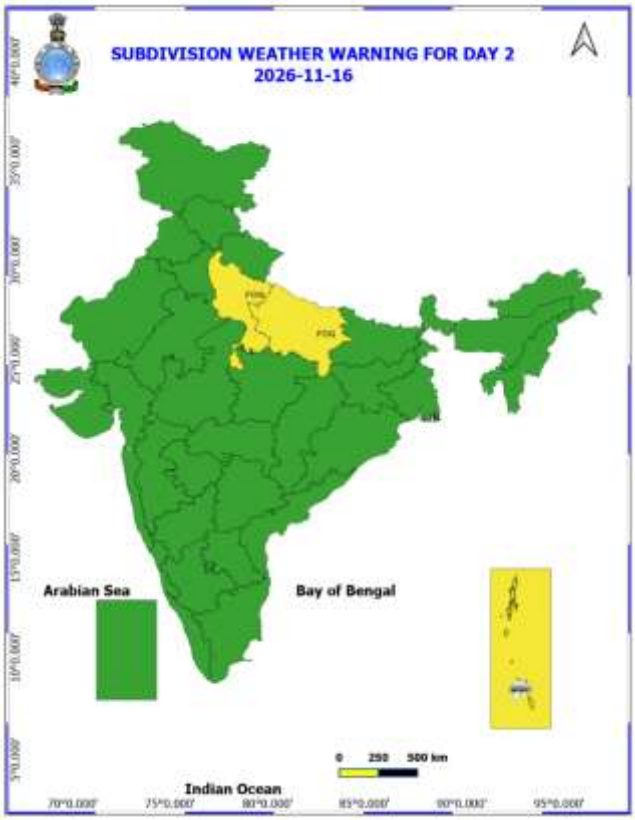
Annexure I

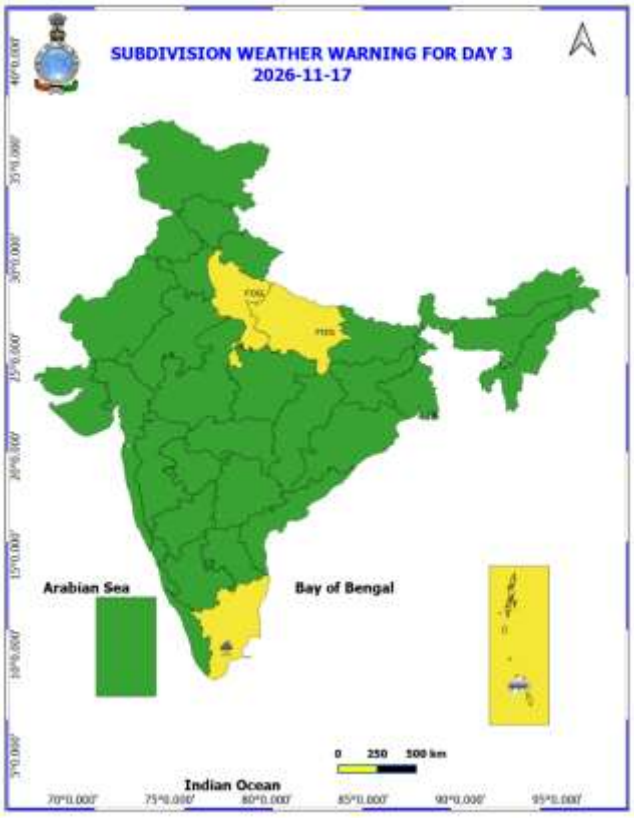
Table-1								
7 Days Rainfall Forecast								
S.No.	Subdivision	15- Nov	16- Nov	17- Nov	18- Nov	19- Nov	20- Nov	21- Nov
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS				FWS	FWS	SCT	SCT
2	ARUNACHAL PRADESH	SCT	SCT	ISOL	ISOL	ISOL	ISOL	ISOL
3	ASSAM & MEHGHALAYA	ISOL	ISOL	DRY	DRY	ISOL	SCT	SCT
4	NAGALAND, MANIPUR, MIZORAM AND TRIPURA	ISOL	DRY	DRY	ISOL	SCT	SCT	SCT
5	SUB HIMALAYAN WEST BENGAL & SIKKIM	ISOL	ISOL	DRY	DRY	DRY	DRY	DRY
6	GANGETIC WEST BENGAL	DRY	DRY	DRY	ISOL	SCT	SCT	SCT
7	ODISHA	DRY	DRY	DRY	ISOL	FWS	FWS	FWS
8	JHARKHAND	DRY	DRY	DRY	DRY	ISOL	ISOL	SCT
9	BIHAR	DRY	DRY	DRY	DRY	DRY	DRY	DRY
10	EAST UTTAR PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
11	WEST UTTAR PRADESH	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
12	UTTARAKHAND	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
13	HARYANA, CHANDIGARH & DELHI	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
14	PUNJAB	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
15	HIMACHAL PRADESH	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
16	JAMMU AND KASHMIR AND LADAKH	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
17	WEST RAJASTHAN	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
18	EAST RAJASTHAN	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
19	WEST MADHYA PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	ISOL
20	EAST MADHYA PRADESH	DRY	DRY	DRY	DRY	DRY	ISOL	ISOL
21	GUJRAT REGION	DRY	DRY	DRY	DRY	DRY	DRY	DRY
22	SAURASHTRA & KUTCH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
23	KONKAN & GOA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
24	MADHYA MAHARASHTRA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
25	MARATHWADA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
26	VIDARBHA	DRY	DRY	DRY	DRY	DRY	ISOL	ISOL
27	CHHATTISGARH	DRY	DRY	DRY	DRY	ISOL	ISOL	ISOL
28	COASTAL ANDHRA PRADESH	ISOL	ISOL	ISOL	SCT		ISOL	ISOL
29	TELANGANA	DRY	DRY	DRY	DRY	ISOL	SCT	SCT
30	RAYALASEEMA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
31	TAMILNADU & PUDUCHERRY	ISOL	ISOL	ISOL	SCT	SCT	ISOL	ISOL
32	COSTAL KARNATAKA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
33	NORTH INTERIOR KARNATAKA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
34	SOUTH INTERIOR KARNATAKA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
35	KERALA AND MAHE	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
36	LAKSHADWEEP	SCT	DRY	DRY	DRY	DRY	DRY	SCT

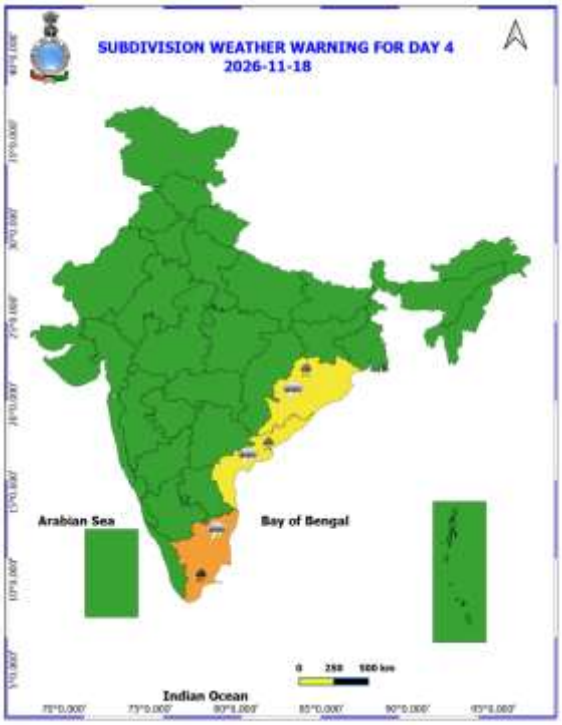
- **As the lead period increases forecast accuracy decrease.**

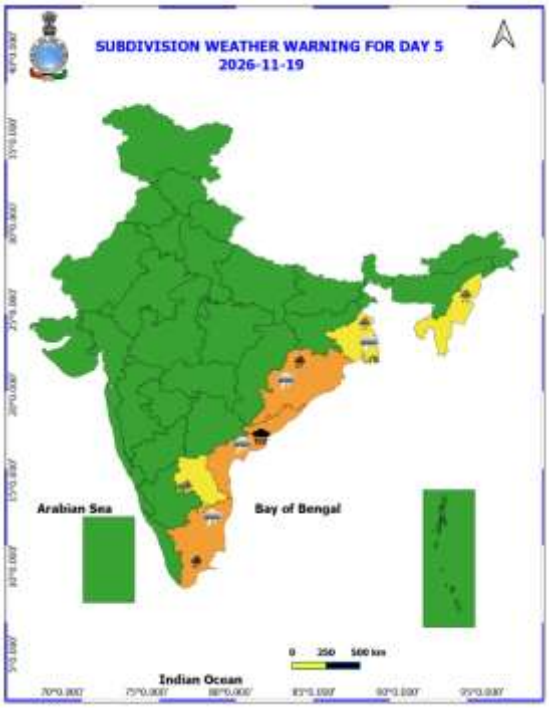
Annexure II

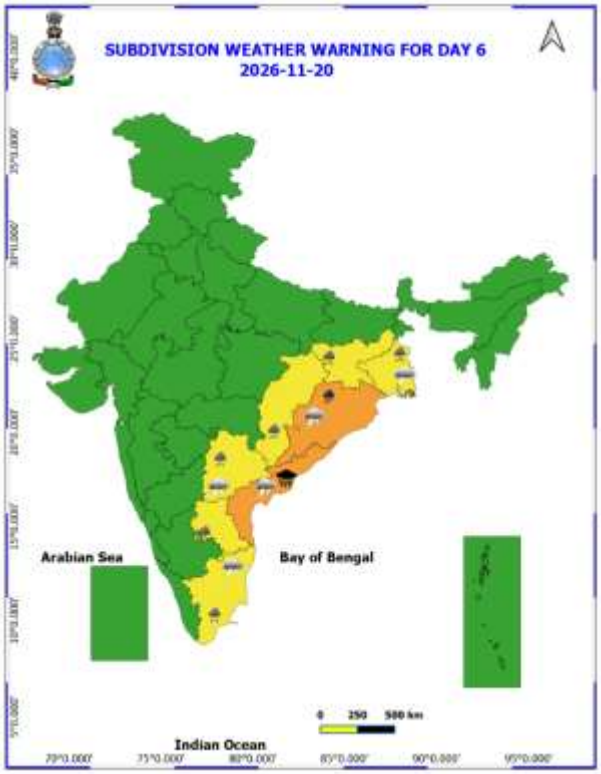

SUBDIVISION WEATHER WARNING FOR DAY 1
2026-11-15
Arabian Sea
Bay of Bengal
Indian Ocean
0 250 500 km

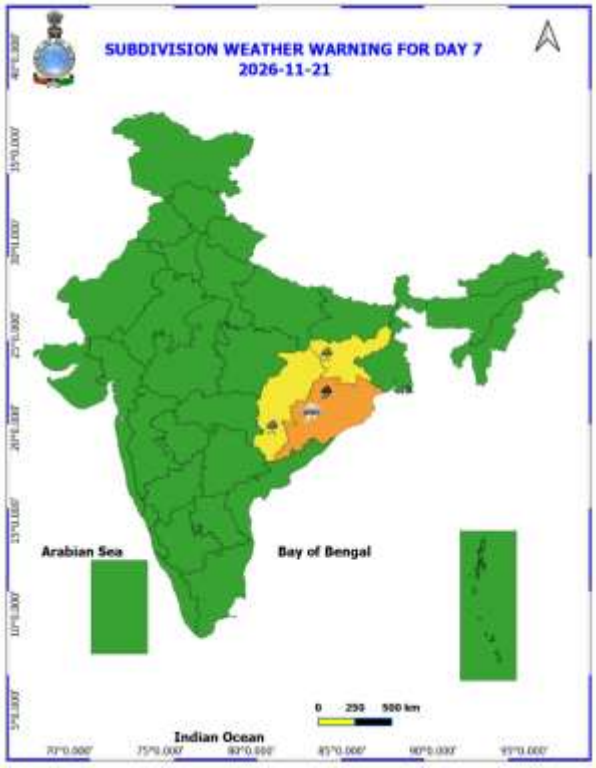

SUBDIVISION WEATHER WARNING FOR DAY 2
2026-11-16
Arabian Sea
Bay of Bengal
Indian Ocean
0 250 500 km


SUBDIVISION WEATHER WARNING FOR DAY 3
2026-11-17
Arabian Sea
Bay of Bengal
Indian Ocean
0 250 500 km









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 district-wise Multi-Hazard weather warning for next five days available at
https://mausam.imd.gov.in/responsive/districtWiseWarningGIS.php

Annexure III

Weather forecast over Delhi/NCR during 15th Nov. to 18th Nov. 2026

Past Weather:

There has no large change in maximum temperatures and rise in minimum temperatures by 1-2°C over Delhi during the past 24 hours. The maximum temperatures were in the range of 28-30°C and the minimum temperatures are in the range 18-19°C respectively during past 24 hours over Delhi. The minimum temperatures are markedly above normal (5.1°C to above) at a few places, appreciably above normal (3.1°C to 5.0°C) at a few places and above normal (1.6°C to 3.0°C) over remaining parts of Delhi during the past 24 hours. The maximum temperatures were above normal (1.6°C to 3.0°C) at many places and normal over remaining parts of Delhi during the past 24 hours. Shallow fog occurred at many places in the morning hours over Delhi. Safdarjung reported lowest visibility 600m from 0730 IST to 0800 IST, which gradually improved to 800m at 0900 IST of today, 15.11.2026. Palam reported lowest visibility 800m from 0800 IST to 0900 IST, which gradually improved to 1100m at 0930 IST of today, 15.11.2026. Very light rain/Drizzle at many places during past 24 hours over Delhi with surface wind speeds up to 15 kmph from the southwest direction prevailed over Delhi during past 24 hours. Generally cloudy sky becoming partly cloudy sky towards afternoon with surface wind speeds up to 10 kmph from the southwest directions prevailed during forenoon over the region today.

Weather Forecast:

15.11.2026: Mainly clear sky. The maximum temperatures over Delhi are likely to be in the range of 25-27°C. The maximum temperature will be below normal (-1.6°C to -3.0°C) at most places over Delhi. The predominant surface wind is likely to be from the southwest direction with surface wind speed reaching up to 05 kmph during the afternoon. The surface wind speed will increase becoming up to 10 kmph from the northwest direction during evening and night hours.

16.11.2026: Mainly clear sky. Mist/shallow fog at most places with moderate fog at a few places in the morning hours. The maximum and minimum temperatures over Delhi are likely to be in the range of 26°C to 28°C and 14°C to 16°C, respectively. The minimum temperature will be near normal (-1.5°C to 1.5°C) at most places, and the maximum temperatures will be below normal (-1.6°C to -3.0°C) at most places over Delhi. The surface wind speed will be up to 10 kmph from the northwest direction during the morning hours. The surface wind speed will increase becoming up to 20 kmph from the northwest direction during afternoon. The surface wind speed will decrease becoming up to 10 kmph from the northwest direction during evening and night hours.

17.11.2026: Mainly clear sky. Mist/shallow fog at most places with moderate fog at a few places in the morning hours. The maximum and minimum temperatures over Delhi are likely to be in the range of 25°C to 27°C and 13°C to 15°C, respectively. The minimum temperature will be above normal (1.6°C to 3.0°C) at most places, and the maximum temperatures will be near normal (-1.5°C to 1.5°C) at most places over Delhi. The surface wind speed will remain calm and gradually becoming up to 08 kmph from the northwest direction during the morning hours. The surface wind speed will increase becoming up to 12 kmph from the northwest direction during afternoon. The surface wind speed will remain calm gradually becoming up to 05 kmph from the northwest direction during evening and night hours.

18.11.2026: Mainly clear sky. Mist/shallow fog at most places with moderate fog at a few places in the morning hours. The maximum and minimum temperatures over Delhi are likely to be in the range of 25°C to 27°C and 12°C to 14°C, respectively. The minimum temperature will be near normal (-1.5°C to 1.5°C) at most places, and the maximum temperatures will be below normal (-1.6°C to -3.0°C) at many places over Delhi. The predominant surface wind is likely to remain calm gradually becoming up to 05 kmph from the northwest direction during the morning hours. The surface wind speed will increase becoming up to 10 kmph from the northwest direction during afternoon. The surface wind speed is likely to remain calm and gradually becoming up to 05 kmph from the northwest direction during evening and night hours

Impact Expected and Action Suggested due to extremely/ very heavy rainfall:

- **Heavy to very heavy rainfall at a few places with isolated extremely heavy rainfall likely over Coastal Andhra Pradesh & Yanam on 19th & 20th November.**
- **Isolated very heavy rainfall also likely over Tamil Nadu, Puducherry & Karaikal on 18th & 19th and Odisha during 19th-21st November.**

Impact expected:

- Breaking of tree branches, uprooting of small trees like banana, papaya, drum sticks. Strong wind and rain may damage plantation, horticulture and standing crops.
- Partial damage to vulnerable structures due to strong winds and rain.
- Minor damage to kutcha houses/walls, huts and roads due to heavy rain.
- Loose objects may fly.
- Small ships, trawlers and boats may be affected.
- Road and rail traffic may be affected due to heavy rain and squally winds.
- There could be localised landslides, mudslides, landslips, water logging, inundation and flooding over low lying areas.
- Occasional reduction in visibility due to heavy rainfall.
- Helicopter services may get affected.

Action suggested:

- People are advised to keep a watch on the weather for worsening conditions and be ready to move to safer places accordingly.
- Take safe shelters; do not take shelter under trees, as there could be lightning.
- In case of expected lightning, unplug electrical/ electronic appliances, immediately, get out of water bodies and keep away from all the objects that conduct electricity.
- Tourism and recreational activities to be regulated.
- Onshore and offshore activities to be judiciously regulated.
- Helicopter services to be regulated.

Impact expected due to dense fog in the night /morning hour over Uttar Pradesh:

- Transport and Aviation:
  - May affect some airports, highways and railway routes in the areas of met- sub-division.
  - Difficult driving conditions with slower journey times.
  - Unless taken precautionary measures, it may lead to some road traffic collisions.

- Power Sector:
  - Chances of Tripping of Power lines in the very dense fog routes.
- Human Health:
  - Lung related health impacts: Dense fog contains particulate matter and other pollutants and in case exposed it gets lodged in the lungs, clogging them and decreasing their functional capacity which increases episodes of wheezing, coughing and shortness of breath.
  - Impact on people having asthma bronchitis: Long time exposure to dense fog may cause respiratory problem for people having asthma bronchitis and other lung related health problems.
  - Eye Irritation: Dense fog contains pollutions of various types and these Pollutants in the air if exposed may tend to irritate the membranes of the eye causing various infections leading to redness or swelling of the eye.

Action suggested:

- Transport and Aviation:
  - Be careful while driving or outing through any transport.
  - Use fog lights during driving.
  - Be in touch with airlines, railways and state transport for schedule of your journey.
- Power Sector:
  - To keep ready Maintenance Team.
  - Human Health: To avoid outing until unless emergency and to cover the face.

Agromet advisories for likely impact of Heavy Rainfall

- In **Coastal Andhra Pradesh,** harvest matured crops of rice, cotton and vegetables and matured fruits of banana and papaya immediately and keep the harvested produce in a safe place. Make necessary arrangements for draining excess water from fields pigeon pea and vegetable.
- In **Odisha**, harvest matured rice crop and seasonal vegetables immediately and store the harvested produce in a safe and covered place. Make provision to drain excess water from standing rice fields, vegetable nurseries and recently sown fields of mustard, groundnut, green gram and black gram.
- In **Tamil Nadu,** harvest matured rice and groundnut crops immediately and store the harvested produce in safe and dry places.

Agromet advisories for likely impact of Thunderstorm / Gusty Winds

- Shift the harvested produce in safer places or cover the produce with tarpaulin sheets in the fields. Tie the harvested crops securely and cover them to minimize the risk of displacement from strong surface 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.

Advisories for likely impact of Heavy Rainfall for Livestock / Poultry / Fisheries

- Keep the animals inside the shed during heavy rainfall and provide them balanced feed.
- Store the feed and fodder in a safe place to prevent spoilage.
- Construct an outlet with proper netting around the ponds to drain excess water, thereby preventing fish from escaping in the event of overflow.

Legends & abbreviations:

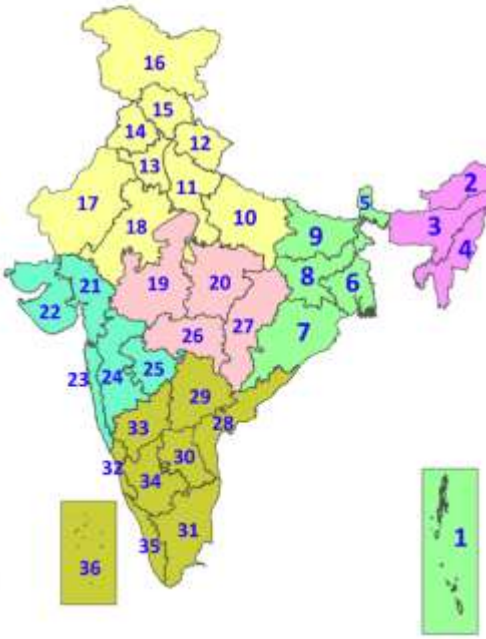
Heavy Rain:64.5-115.5mm; **Very Heavy Rain:**115.6-204.4mm; **Extremely Heavy Rain:** >204.4mm.
Obsy: Observatory; Automatic Weather Station; **ARG:** Automatic Rain Gauge; **dist:** District: **NH:** National Highway; **KVK**: Krishi Vigyan Kendra; **DVC:** Damodar Valley Corporation; **PTO**: Part 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, Coastal Maharashtra (Konkan) & Goa, Madhya Maharashtra and Marathawada.
South India: Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Coastal Karnataka, North Interior Karnataka, South Interior Karnataka, Keralam & Mahe, Tamil Nadu, Puducherry & Karaikal and Lakshadweep.

राष्ट्रीय मौसम पूर्वानुमान केन्द्र
भारत मौसम विज्ञान विभाग
पृथ्वी विज्ञान मंत्रालय

National Weather Forecasting Centre
India Meteorological Department
Ministry of Earth Sciences

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 Rain
Very Heavy Rain
Extremely Heavy Rain
Thunder & Lightning
Hailstorm
Dust Raising Winds
Heavy Snow
Dust Storm
Heat Wave
Warm Night
Hot Day
Hot & Humid
Strong Surface Winds
Cold Wave
Cold Day
Ground Frost

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)

राष्ट्रीय मौसम पूर्वानुमान केन्द्र
भारत मौसम विज्ञान विभाग
पृथ्वी विज्ञान मंत्रालय

National Weather Forecasting Centre
India Meteorological Department
Ministry of Earth Sciences

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 ≥40° C for plains and ≥30° 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 ≥6.5° C

(b). Based on Actual maximum temperature

- **Heat Wave:** When actual maximum temperature ≥45°C.
- **Severe Heat Wave:** When actual maximum temperature ≥47°C

(c). Criteria for heat wave for coastal stations

When maximum temperature departure is >4.5°C from normal. Heat Wave may be described provided maximum temperature ≥37°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 °C.

Cold Wave

When minimum temperature of a station ≤10°C for plains and ≤0°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 ≤ -6.5 °C

(b) Based on actual Minimum Temperature (for Plains only)

- **Cold Wave :** When Minimum Temperature is ≤ 4.0 °C
- **Severe Cold Wave:** When Minimum Temperature is ≤ 2.0 °C

(c) For Coastal Stations

When Minimum Temperature departure is ≤-4.5 °C & actual Minimum Temperature is ≤ 15 °C

Cold Day

When minimum temperature of a station ≤10°C for plains and ≤0°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 ≤ -6.5 °C

Fog

Phenomenon of small droplets suspended in air and the horizontal visibility < 1km

- **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 ≤4°C (over Plains)

Squall

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

- **Moderate**: Wind speed 52-61 kmph
- **Severe**: Wind speed 62-87 kmph
- **Very Severe**: Wind speed >87 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 Strom**: Wind speed >220 kmph (>119 knots)

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