Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release
Date: 10th November 2026
Time of Issue:1300 hours IST

Subject: (i) A western disturbance is likely to cause scattered to fairly widespread rainfall/snowfall over Western Himalayan Region till 13th with isolated heavy rainfall/snowfall likely over Kashmir valley on 12th November.
(ii) Isolated heavy rainfall likely over Tamil Nadu, Puducherry & Karaikal on 10th & 11th November and on 15th & 16th November; Kerala & Mahe on 16th November.
(iii) A Low Pressure Area is likely to form over Southeast Bay of Bengal around 13th November, 2026. It is likely to move northwestwards and become well marked low pressure area during subsequent 24hours.

Realized weather during past 24 hours ending at 0830 hours IST of today, the 10th November, 2026:

- **Very heavy rainfall (12-21 cm)** has been recorded over Tamil Nadu
- **Heavy rainfall (7-11 cm)** has been recorded over Andaman & Nicobar Islands and Tripura

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

- The **Western Disturbance** as a **trough** in middle & upper tropospheric westerlies with its axis at 5.8 km above mean sea level roughly along long 55°E to the north of Lat 30°N persists.
- An **upper air cyclonic circulation** lies over southeast Rajasthan & neighbourhood in lower tropospheric level.
- An **upper air cyclonic circulation** lies over southeast Arabian Sea & adjoining Lakshadweep area in lower tropospheric level.
- An **upper air cyclonic circulation** lies over Gulf of Mannar & neighbourhood in lower tropospheric levels.
- An **upper air cyclonic circulation** lies over central Assam & neighbourhood in lower tropospheric levels.
- A **Low Pressure Area** is likely to form over Southeast Bay of Bengal around 13th November, 2026. It is likely to move northwestwards and become well marked low pressure area during subsequent 24 hours.

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

South Peninsular India:

- **Isolated to Scattered** rainfall likely over Tamil Nadu, Puducherry & Karaikal during 10th-14th November and on 16th November; Kerala & Mahe during 10th-15th November; Lakshadweep during 10th-16th November; Coastal Karnataka and South Interior Karnataka during 15th-16th November; Coastal Andhra Pradesh & Yanam and Rayalaseema during 14th-16th November.
- **Fairly Widespread to Widespread** rainfall likely over Tamil Nadu, Puducherry & Karaikal on 15th November; Kerala & Mahe on 16th November.
- Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Tamil Nadu, Puducherry & Karaikal during 10th-12th November and during 15th-16th November.
- Isolated **thunderstorm & lightning** likely over Tamil Nadu, Puducherry & Karaikal during 13th-14th November; Kerala & Mahe and Lakshadweep during 10th-12th November; Rayalaseema on 14th November.
- Isolated **heavy rainfall** likely over Tamil Nadu, Puducherry & Karaikal on 10th & 11th November and on 15th & 16th November; Kerala & Mahe on 16th November.

Northwest India:

- **Isolated to Scattered** rainfall likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 10th-11th November and during 14th-16th November; Himachal Pradesh during 10th-16th November; Uttarakhand during 12th-13th November.
- **Isolated to Scattered** rainfall likely over Punjab during 12th-16th November.
- **Fairly Widespread to Widespread** rainfall likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 12th-13th November.

- Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 10th November and during 12th-14th November, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Himachal Pradesh during 12th-13th November.
- Isolated **heavy rainfall** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 12th November.

East India:

- **Fairly Widespread to Widespread** rainfall likely over Andaman & Nicobar Islands during 10th-16th November.
- **Isolated to Scattered** rainfall likely over Bihar, Jharkhand and Sub-Himalayan West Bengal & Sikkim during 10th-11th November; Gangetic West Bengal during 10th-12th November.
- Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Andaman & Nicobar Islands during 10th-15th November, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Andaman & Nicobar Islands during 15th-16th November.
- Isolated **thunderstorm & lightning** likely over Gangetic West Bengal and Sub-Himalayan West Bengal & Sikkim on 10th November.
- Isolated **heavy rainfall** likely over Andaman & Nicobar Islands during 10th-14th November.

Northeast India:

- **Isolated to Scattered** rainfall likely over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 10th-12th November.
- Isolated **thunderstorm & lightning** likely over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 10th-11th November.
- Isolated **heavy rainfall** likely over Nagaland, Manipur, Mizoram & Tripura on 10th November.
- Moderate to intense lightning over Meghalaya, Mizoram and Tripura on 10th & 11th November.

West & Central India:

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

Fisherman Warning

- **Bay of Bengal**: Over south Myanmar coast adjoining eastcentral Bay of Bengal on 10th November and over Andaman Sea till 15th November and over southeast Bay of Bengal during 13th to 15 November 2026.
- **Arabian Sea:** No Warning.

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

Highest rainfall recorded (≥ 7 cm) (from 0830 hours IST of yesterday to 0830 hours IST of today over different Meteorological Subdivision):

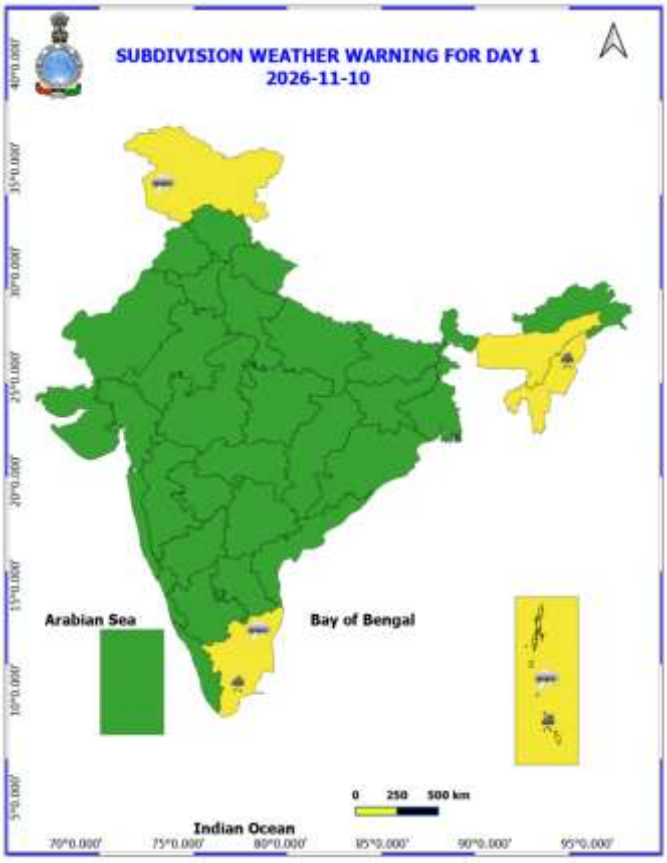
- **Tamil Nadu:** Oothu 13
- **Andaman & Nicobar Islands:** Mayabundur 7
- **Tripura:** Kathalia 7

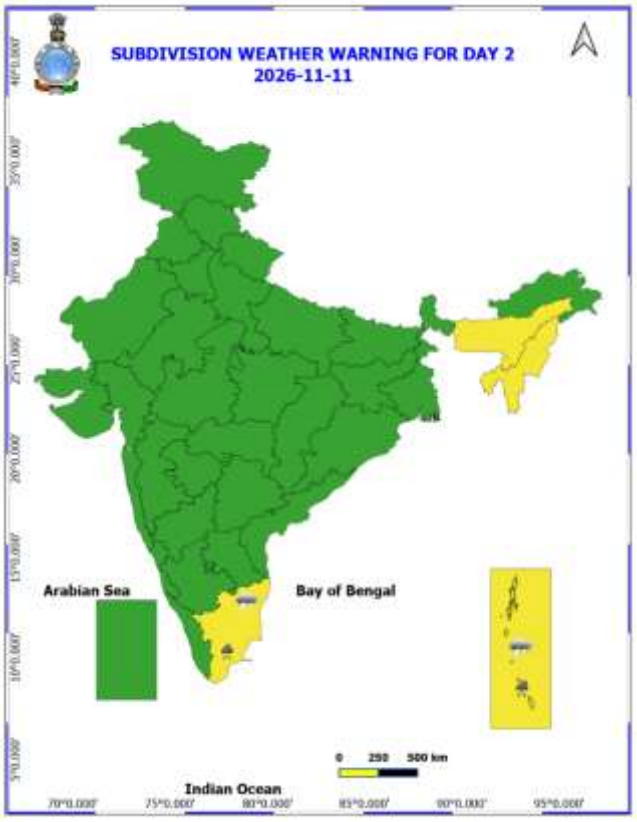
Annexure I

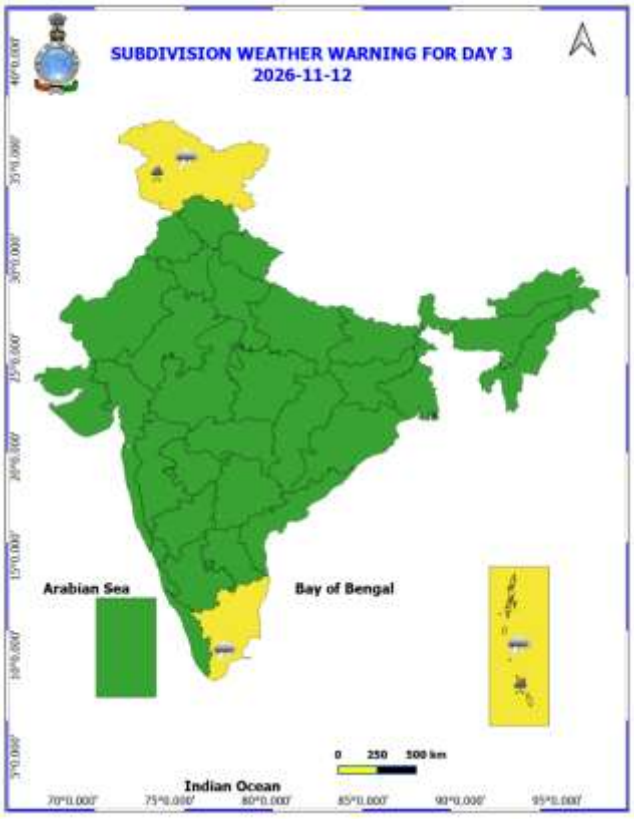
Table-1								
7 Days Rainfall Forecast								
S.No.	Subdivision	10- Nov	11- Nov	12- Nov	13- Nov	14- Nov	15- Nov	16- Nov
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	WET	WET	WET	WET	WET	WET	WET
2	ARUNACHAL PRADESH	ISOL	ISOL	ISOL	DRY	ISOL	ISOL	SCT
3	ASSAM & MEHGHALAYA	ISOL	ISOL	ISOL	DRY	DRY	ISOL	ISOL
4	NAGALAND, MANIPUR, MIZORAM AND TRIPURA	SCT	SCT	ISOL	DRY	DRY	DRY	DRY
5	SUB HIMALAYAN WEST BENGAL & SIKKIM	SCT	SCT	DRY	DRY	DRY	DRY	DRY
6	GANGETIC WEST BENGAL	SCT	SCT	ISOL	DRY	DRY	DRY	DRY
7	ODISHA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
8	JHARKHAND	ISOL	ISOL	DRY	DRY	DRY	DRY	DRY
9	BIHAR	ISOL	ISOL	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	ISOL	ISOL	DRY	DRY	DRY
13	HARYANA, CHANDIGARH & DELHI	DRY	DRY	DRY	DRY	DRY	DRY	DRY
14	PUNJAB	DRY	DRY	ISOL	ISOL	ISOL	ISOL	ISOL
15	HIMACHAL PRADESH	ISOL	ISOL	SCT	SCT	ISOL	ISOL	ISOL
16	JAMMU AND KASHMIR AND LADAKH	SCT	ISOL	FWS	FWS	ISOL	SCT	SCT
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	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	DRY	DRY
27	CHHATTISGARH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
28	COASTAL ANDHRA PRADESH	DRY	DRY	DRY	DRY	ISOL	ISOL	ISOL
29	TELANGANA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
30	RAYALASEEMA	DRY	DRY	DRY	DRY	ISOL	ISOL	ISOL
31	TAMILNADU & PUDUCHERRY	SCT	ISOL	ISOL	ISOL	SCT	FWS	SCT
32	COSTAL KARNATAKA	DRY	DRY	DRY	DRY	DRY	ISOL	ISOL
33	NORTH INTERIOR KARNATAKA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
34	SOUTH INTERIOR KARNATAKA	DRY	DRY	DRY	DRY	DRY	ISOL	ISOL
35	KERALA AND MAHE	SCT	SCT	SCT	ISOL	SCT	SCT	FWS
36	LAKSHADWEEP	SCT	SCT	SCT	SCT	SCT	SCT	SCT

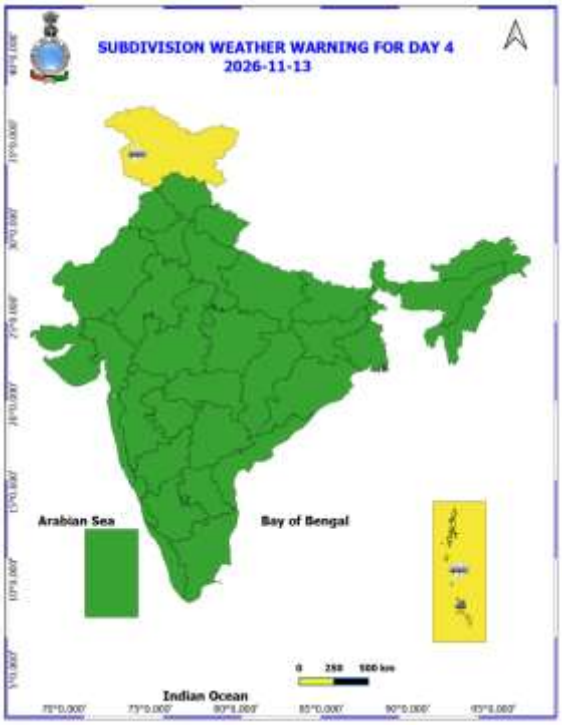
- **As the lead period increases forecast accuracy decrease.**

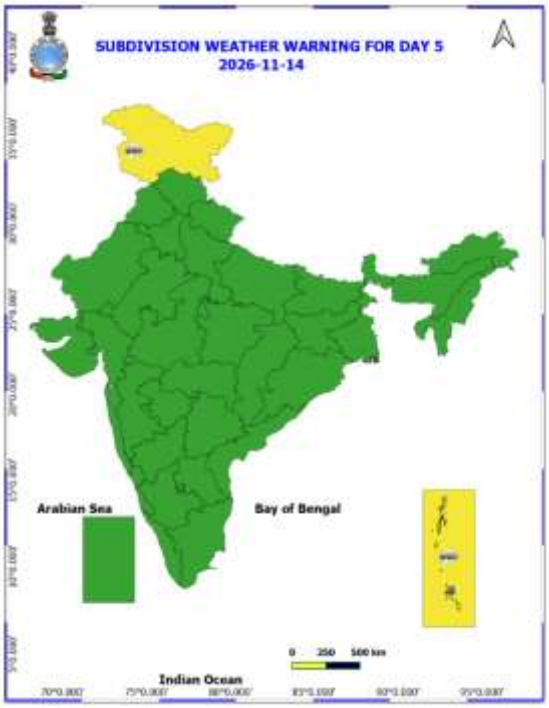
Annexure II

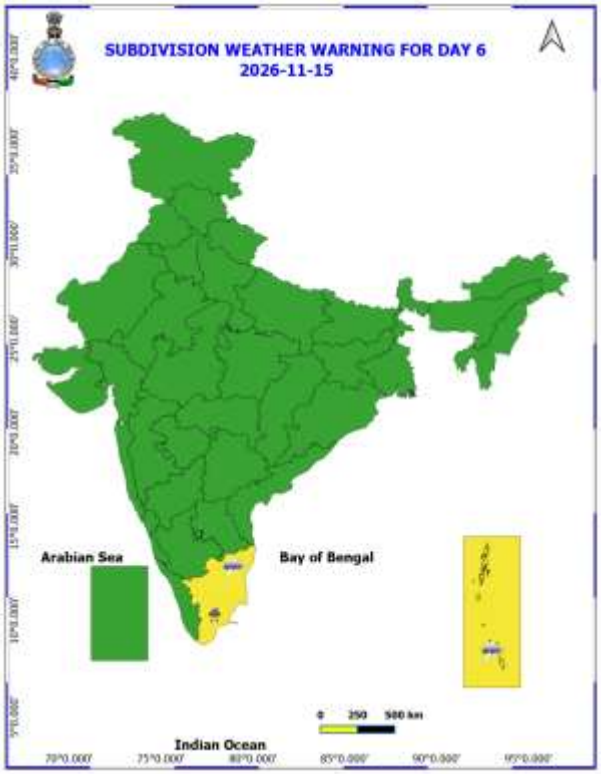

SUBDIVISION WEATHER WARNING FOR DAY 1
2026-11-10
Arabian Sea
Bay of Bengal
Indian Ocean
0 250 500 km

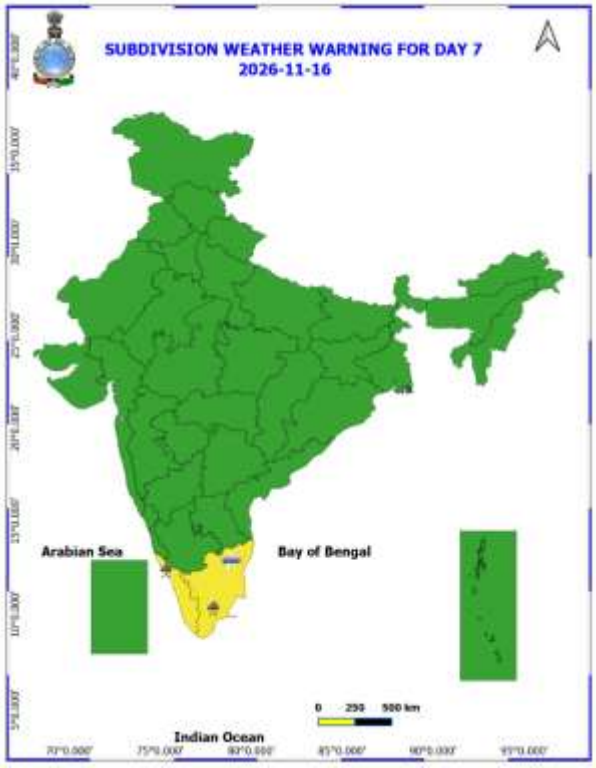

SUBDIVISION WEATHER WARNING FOR DAY 2
2026-11-11
Arabian Sea
Bay of Bengal
Indian Ocean
0 250 500 km


SUBDIVISION WEATHER WARNING FOR DAY 3
2026-11-12
Arabian Sea
Bay of Bengal
Indian Ocean
0 250 500 km









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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 10th Nov. to 13th Nov. 2026

Past Weather:

There has been fall in maximum temperatures by 1°C and no large change in minimum temperatures over Delhi during the past 24 hours. The maximum temperatures were in the range of 27-30°C and the minimum temperatures are in the range 16-17°C respectively during past 24 hours over Delhi. The minimum temperatures are appreciably above normal (3.1°C to 5.0°C) at isolated places and normal (-1.5°C to 1.5°C) over remaining parts of Delhi during the past 24 hours. The maximum temperatures were below normal (-1.6°C to -3.0°C) at isolated places and normal (-1.5°C to 1.5°C) over remaining parts of Delhi during the past 24 hours. Shallow fog was reported at Palam and Safdarjung airport. Safdarjung reported lowest visibility 700m at 0730 IST, which gradually improved to 1000m at 0800 IST of today, 10.11.2026. Palam reported lowest visibility 800m from 0800 to 0930 IST, which gradually improved to1100m at 1000 IST of today, 10.11.2026. Mainly clear sky with surface wind speeds up to 16 kmph from the southeast direction prevailed over Delhi during past 24 hours. Mainly clear sky with surface wind speeds up to 10 kmph from the west directions prevailed during forenoon over the region today.

Weather Forecast:

10.11.2026: Mainly clear sky. The maximum temperatures over Delhi are likely to be in the range of 28-30°C. The maximum temperature will be near normal (-1.5°C to 1.5°C) at many places over Delhi. The predominant surface wind is likely to be from the west direction with surface wind speed reaching up to 10 kmph during the afternoon. The surface wind speed will decrease becoming up to 08 kmph from the northeast direction during evening and night hours.

11.11.2026: Partly cloudy sky. Shallow to moderate fog at most places in the morning hours. The maximum and minimum temperatures over Delhi are likely to be in the range of 27°C to 29°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 predominant surface wind is likely to be from the northeast direction with wind speed reaching up to 12 kmph during the morning hours. The surface wind speed will decrease becoming up to 10 kmph from the west direction during afternoon. The surface wind speed will decrease becoming up to 08 kmph from the northeast direction during evening and night hours.

12.11.2026: Partly cloudy sky. Shallow to moderate fog at most places in the morning hours. The maximum and minimum temperatures over Delhi are likely to be in the range of 27°C to 29°C and 15°C to 17°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 predominant surface wind is likely to be from the west direction with wind speed reaching up to 10 kmph during the morning hours. The surface wind speed will increase becoming up to 15 kmph from the northwest direction during afternoon. The surface wind speed will decrease becoming up to 10 kmph from the northeast direction during evening and night hours.

13.11.2026: Partly cloudy sky. Shallow to moderate fog at most places in the morning hours. The maximum and minimum temperatures over Delhi are likely to be in the range of 28°C to 30°C and 15°C to 17°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 predominant surface wind is likely to be from the southwest direction with wind speed reaching up to 10 kmph during the morning hours. The surface wind speed will increase becoming up to 15 kmph from the northwest direction during afternoon. The surface wind speed will decrease becoming up to 10 kmph from the west direction during evening and night hours.

Impact Expected and Action Suggested due to heavy rainfall:

- Isolated **heavy rainfall** likely over Tamil Nadu, Puducherry & Karaikal on 10th & 11th November and on 15th & 16th November; Kerala & Mahe on 16th November.
- Isolated **heavy rainfall** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 12th November.
- Isolated **heavy rainfall** likely over Andaman & Nicobar Islands during 10th-14th November.
- Isolated **heavy rainfall** likely over Nagaland, Manipur, Mizoram & Tripura on 10th 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.

Agromet advisories for likely impact of Heavy Rainfall

- In **Tamil Nadu**, maintain proper drainage in rice fields and remove excess water to prevent water stagnation. Store harvested banana bunches in dry places and ensure proper drainage in coconut fields. Keep the harvested paddy and groundnut to safe and dry place. Postpone irrigation, intercultural operations, fertilizer application and plant protection sprays during rainfall.
- In **Andaman and Nicobar Islands**, provide adequate drainage in standing crop fields and postpone irrigation, intercultural operations, fertilizer application and plant protection sprays during the rainy spell.

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:

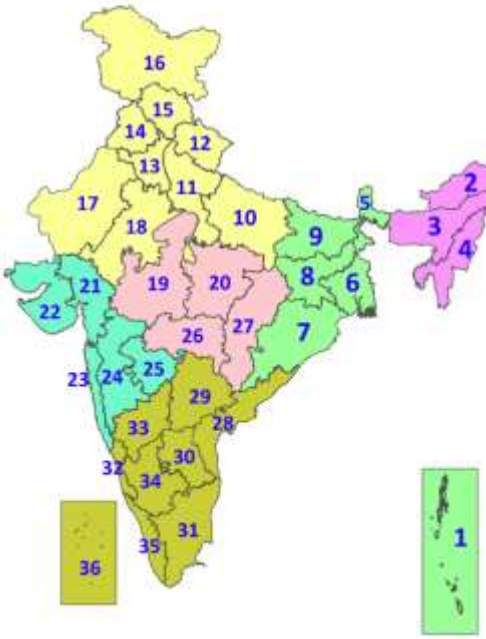
Heavy Rain:64.5-115.5mm; **Very Heavy Rain:**115.6-204.4mm; **Extremely Heavy Rain:** >204.4mm.
Obsy: Observatory; Automatic Weather Station; **ARG:** Automatic Rain Gauge; **dist:** District: **NH:** National Highway; **KVK**: Krishi Vigyan Kendra; **DVC:** Damodar Valley Corporation; **PTO**: Part 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)

* 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

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