



Government of India
Ministry of Earth Sciences
India Meteorological Department



Press Release
Date: 08th October 2026
Time of Issue: 1305 hours IST

Subject: (i) Conditions are becoming favourable for further withdrawal of Southwest Monsoon from some more parts of eastern India and Northern Peninsula, and many parts of northeast India during next 3-4 days.

(ii) Isolated heavy rainfall likely over Bihar, Gangetic West Bengal and Sub-Himalayan West Bengal & Sikkim on 8th; South Interior Karnataka on 9th, over Kerala and Tamil Nadu, Puducherry & Karaikal during 8th-10th October.

Realised weather during past 24 hours ending at 0830 hours IST of today, the 08th October, 2026:

- ❖ **Heavy rainfall (7-11 cm)** has been recorded over Uttarakhand, Bihar, Odisha, Jharkhand, East Uttar Pradesh

Withdrawal of southwest Monsoon (Annexure I):

- ❖ The Southwest Monsoon has further withdrawn from remaining parts of Maharashtra, some parts of Goa, Karnataka, Telangana and Odisha; some more parts of Jharkhand & Chhattisgarh, today on 08th October, 2026.
- ❖ The **line of withdrawal of Southwest Monsoon** now passes through 27.5°N/86.5°E, Supaul, Ranchi, Sundargarh, Bargarh, Bijapur, Hyderabad, Belagavi, Panjim and 15°N/72°E.

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

- ❖ An **upper air cyclonic circulation** lies over northeast Bihar & neighbourhood in lower tropospheric level.
- ❖ A **trough** runs from the **cyclonic circulation** over northeast Bihar to Telangana in lower and upper tropospheric levels.
- ❖ An **upper air cyclonic circulation** lies over East Uttar Pradesh in lower tropospheric level.
- ❖ An **upper air cyclonic circulation** lies over south Kerala coast in lower tropospheric level.
- ❖ A **trough** runs from the **cyclonic circulation** over southeast Arabian Sea to South Interior Karnataka in lower and upper tropospheric level.
- ❖ A fresh **Western Disturbance** seen as a cyclonic circulation over north Pakistan & neighbourhood in lower tropospheric level.

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

Northwest India:

- ❖ **Fairly Widespread to Widespread** rainfall likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 8th October and on 10th October; Uttarakhand on 9th October.
- ❖ **Isolated to Scattered** rainfall likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 9th October, on 11th October and during 13th-14th October; Himachal Pradesh during 13th-14th October; Uttarakhand on 8th October and during 10th-14th October.
- ❖ **Isolated to Scattered** rainfall likely over Haryana Chandigarh & Delhi and Punjab during 8th-14th October; West Uttar Pradesh during 8th-11th October; East Uttar Pradesh during 8th-10th October; West Rajasthan during 11th-12th October; East Rajasthan on 12th October.
- ❖ Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 8th October; Uttarakhand during 8th-9th October, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Uttarakhand on 10th October.
- ❖ Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over East Uttar Pradesh on 8th October, **with gusty winds (speed reaching 30-40 kmph gusting to 50**

kmph) likely over Haryana Chandigarh & Delhi and Punjab during 10th-11th October; West Rajasthan on 11th October.

- ❖ Isolated **thunderstorm & lightning** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 9th-10th October and during 13th-14th October; West Uttar Pradesh on 8th October.
- ❖ Isolated **heavy rainfall** likely over Uttarakhand on 9th October.

Central India:

- ❖ **Isolated to Scattered** rainfall likely over East Madhya Pradesh during 8th-11th October; Chhattisgarh during 8th-9th October and on 14th October.
- ❖ Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Chhattisgarh on 8th October, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over East Madhya Pradesh during 8th-9th October and on 11th October.

East India:

- ❖ **Isolated to Scattered** rainfall likely over Andaman & Nicobar Islands during 8th-9th October and during 12th-14th October; Sub-Himalayan West Bengal & Sikkim during 10th-11th October; Gangetic West Bengal during 9th-10th October and on 14th October; Jharkhand during 9th-10th October; Bihar during 8th-11th October; Odisha during 8th-14th October.
- ❖ **Fairly Widespread to Widespread** rainfall likely over Andaman & Nicobar Islands during 10th-11th October; Sub-Himalayan West Bengal & Sikkim during 8th-9th October; Gangetic West Bengal and Jharkhand on 8th October.
- ❖ Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Jharkhand and Odisha on 8th October; Bihar during 8th-9th October, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Gangetic West Bengal and Sub-Himalayan West Bengal & Sikkim during 8th-9th October; Jharkhand and Odisha on 9th October.
- ❖ Isolated **heavy rainfall** likely over Bihar, Gangetic West Bengal and Sub-Himalayan West Bengal & Sikkim on 8th October.

Northeast India:

- ❖ **Isolated to Scattered** rainfall likely over Arunachal Pradesh during 8th-10th October; Assam & Meghalaya during 8th-11th October and during 13th-14th October; Nagaland, Manipur, Mizoram & Tripura during 8th-14th October.
- ❖ Isolated **thunderstorm & lightning** likely over Arunachal Pradesh on 8th October; Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 8th-9th October.

South Peninsular India:

- ❖ **Isolated to Scattered** rainfall likely over Coastal Andhra Pradesh & Yanam, Coastal Karnataka, Rayalaseema, South Interior Karnataka and Tamil Nadu, Puducherry & Karaikal during 8th-14th October; Kerala & Mahe during 11th-13th October; Lakshadweep during 11th-14th October.
- ❖ **Fairly Widespread to Widespread** rainfall likely over Kerala & Mahe during 8th-10th October and on 14th October; Lakshadweep during 8th-10th October.
- ❖ Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Tamil Nadu, Puducherry & Karaikal during 8th-12th October; Kerala & Mahe and Lakshadweep during 8th-10th October, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Kerala & Mahe during 11th-12th October; Coastal Andhra Pradesh & Yanam and Rayalaseema during 8th-10th October.
- ❖ Isolated **thunderstorm & lightning** likely over South Interior Karnataka during 9th-10th October.
- ❖ Isolated **heavy rainfall** likely over Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal during 8th-10th October; South Interior Karnataka on 9th October.
- ❖ Strong Surface Winds likely over Coastal Andhra Pradesh & Yanam and Rayalaseema during 8th-10th October.

Hot & Humid weather conditions warning:

- ❖ **Hot and humid** weather conditions likely to prevail over Konkan & Goa during 8th-10th October.

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

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/fishermenwarning.php>

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

- ❖ **Bihar:** Saharsa 11
- ❖ **East Uttar Pradesh:** Shardanagar 9

- ❖ **Uttarakhand:** Berinag 8
- ❖ **Odisha:** Koraput 7
- ❖ **Jharkhand:** Madhupur 7
- ❖ **Tamil Nadu:** Coimbatore 7

Annexure I

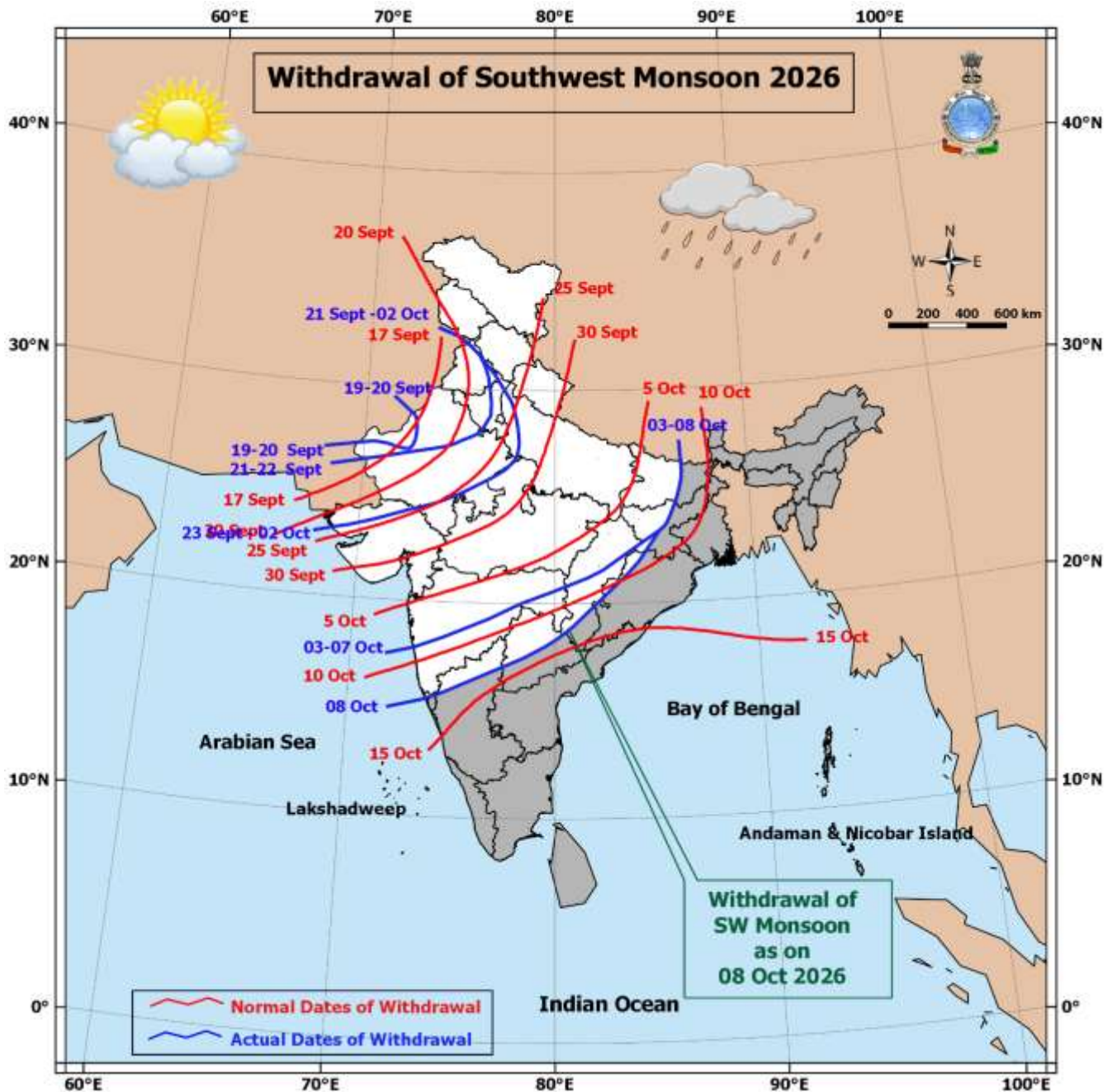
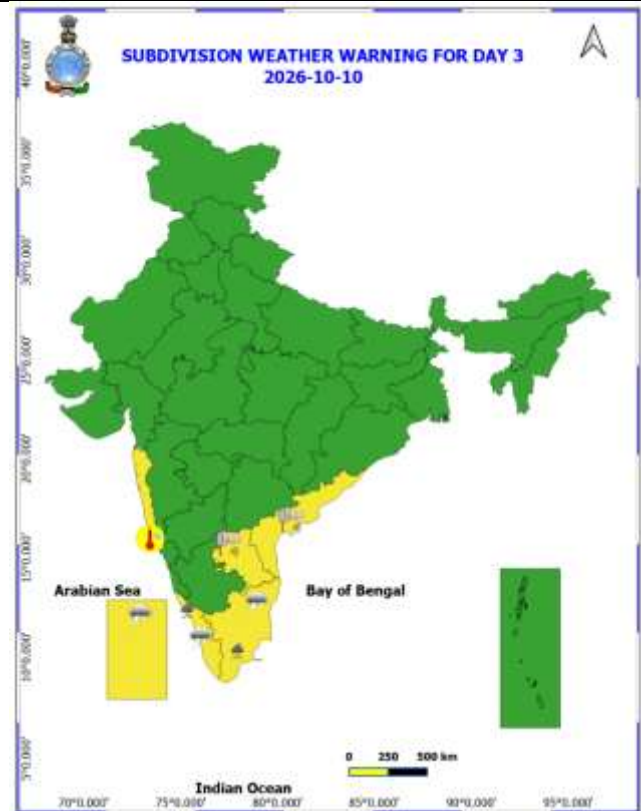
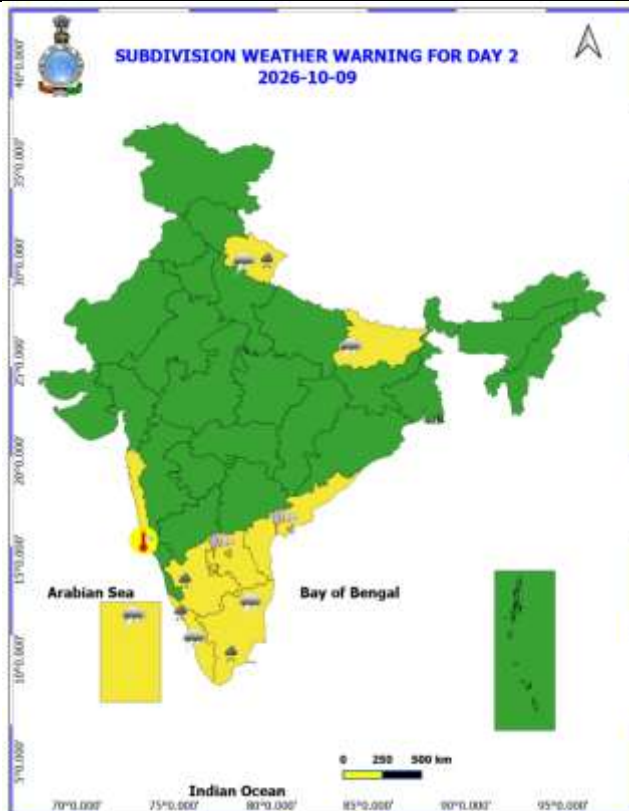
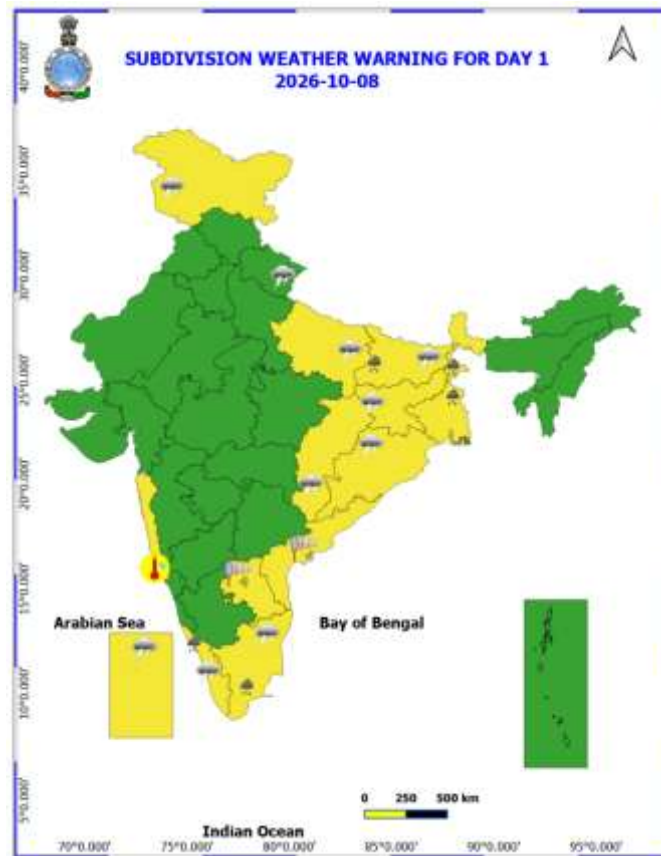
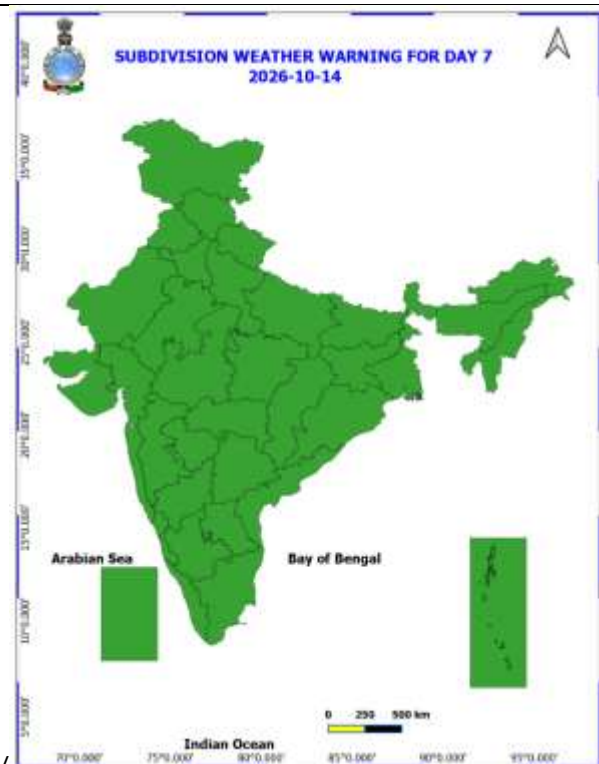
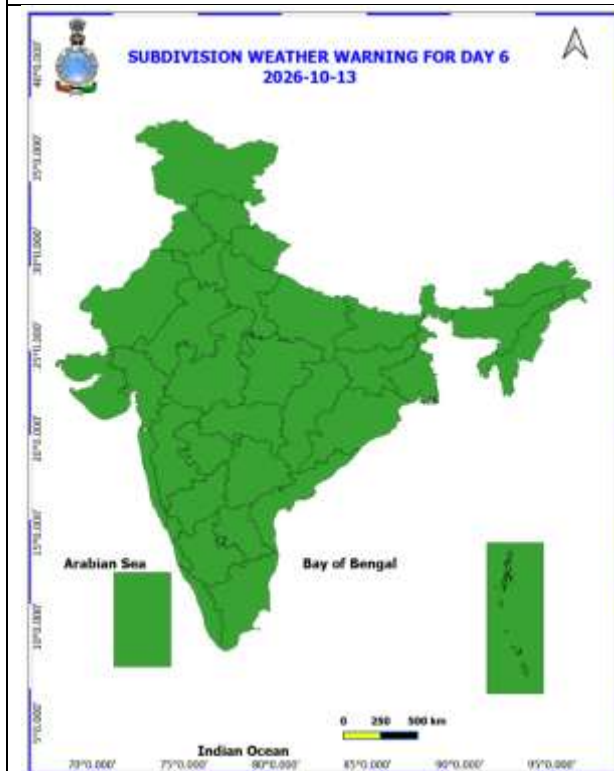
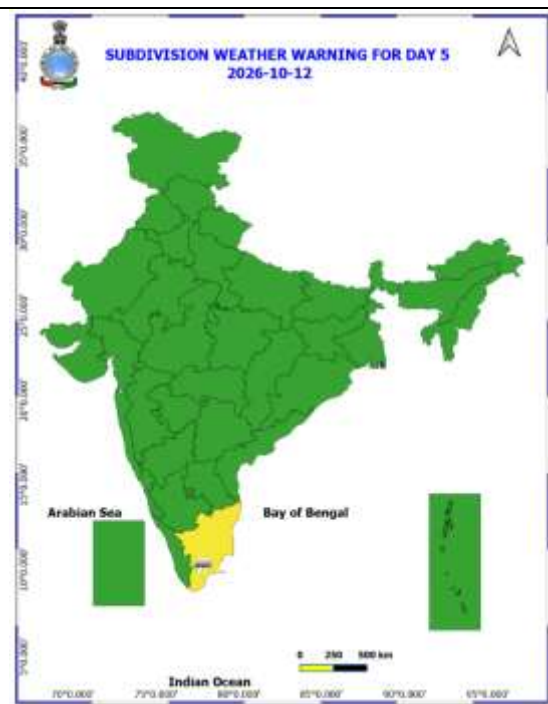
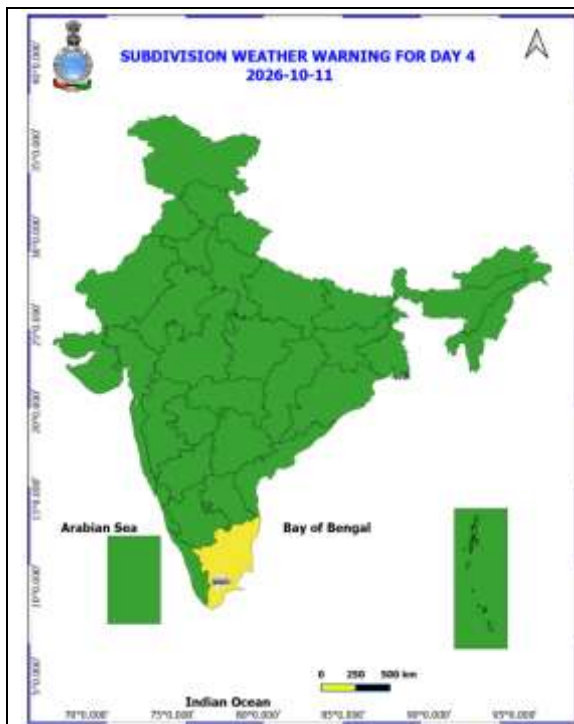


Table-1								
7 Days Rainfall Forecast								
S.No.	Subdivision	8- Oct	9- Oct	10- Oct	11- Oct	12- Oct	13- Oct	14- Oct
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	ISOL	SCT	FWS	FWS	SCT	ISOL	ISOL
2	ARUNACHAL PRADESH	ISOL	ISOL	ISOL	DRY	DRY	DRY	DRY
3	ASSAM & MEHGHALAYA	SCT	ISOL	ISOL	ISOL	DRY	ISOL	ISOL
4	NAGALAND, MANIPUR, MIZORAM AND TRIPURA	SCT	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
5	SUB HIMALAYAN WEST BENGAL & SIKKIM	FWS	FWS	SCT	SCT	DRY	DRY	DRY
6	GANGETIC WEST BENGAL	FWS	SCT	ISOL	DRY	DRY	DRY	ISOL
7	ODISHA	SCT	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
8	JHARKHAND	FWS	SCT	ISOL	DRY	DRY	DRY	DRY
9	BIHAR	SCT	SCT	ISOL	ISOL	DRY	DRY	DRY
10	EAST UTTAR PRADESH	SCT	ISOL	ISOL	DRY	DRY	DRY	DRY
11	WEST UTTAR PRADESH	ISOL	ISOL	ISOL	ISOL	DRY	DRY	DRY
12	UTTARAKHAND	SCT	FWS	SCT	ISOL	ISOL	ISOL	ISOL
13	HARYANA, CHANDIGARH & DELHI	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
14	PUNJAB	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
15	HIMACHAL PRADESH	DRY	DRY	DRY	DRY	DRY	SCT	SCT
16	JAMMU AND KASHMIR AND LADAKH	FWS	SCT	FWS	ISOL	DRY	SCT	SCT
17	WEST RAJASTHAN	DRY	DRY	DRY	ISOL	ISOL	DRY	DRY
18	EAST RAJASTHAN	DRY	DRY	DRY	DRY	ISOL	DRY	DRY
19	WEST MADHYA PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
20	EAST MADHYA PRADESH	ISOL	ISOL	ISOL	ISOL	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	ISOL	ISOL	DRY	DRY	DRY	DRY
24	MADHYA MAHARASHTRA	DRY	ISOL	ISOL	DRY	DRY	DRY	DRY
25	MARATHWADA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
26	VIDARBHA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
27	CHHATTISGARH	ISOL	ISOL	DRY	DRY	DRY	DRY	ISOL
28	COASTAL ANDHRA PRADESH	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
29	TELANGANA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
30	RAYALASEEMA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
31	TAMILNADU & PUDUCHERRY	SCT	SCT	ISOL	ISOL	ISOL	ISOL	ISOL
32	COSTAL KARNATAKA	SCT	SCT	SCT	ISOL	ISOL	ISOL	ISOL
33	NORTH INTERIOR KARNATAKA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
34	SOUTH INTERIOR KARNATAKA	ISOL	SCT	SCT	ISOL	ISOL	ISOL	ISOL
35	KERALA AND MAHE	FWS	SCT	SCT	SCT	SCT	SCT	FWS
36	LAKSHADWEEP	FWS	SCT	FWS	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 district-wise Multi-Hazard weather warning for next five days available at <https://mausam.imd.gov.in/responsive/districtWiseWarningGIS.php>

Weather forecast over Delhi/NCR during 08th -11th October 2026**Past Weather:**

There has been fall in maximum temperatures by 1°C and fall in minimum temperatures by 1°C over Delhi during the past 24 hours. The maximum temperatures were around 34-36°C and the minimum temperatures are in the range 20-24°C respectively during past 24 hours over Delhi. The minimum temperatures are appreciably above normal (3.1°C to 5.0°C) at a few places, above normal (1.6°C to 3.0°C) at isolated places, 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. The maximum temperatures were above 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. Mainly clear sky with surface wind speed 20 kmph from the northwest direction prevailed over Delhi during past 24 hours. Mainly clear sky with surface wind speeds up to 15 kmph from the southeast direction likely to prevail during forenoon over the region today.

Weather Forecast:

08.10.2026: Mainly clear sky becoming partly cloudy sky towards afternoon/evening. The maximum temperatures over Delhi are likely to be in the range of 33-35°C. 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 northwest direction with surface wind speed reaching up to 15 kmph during the afternoon. The surface wind speed will decrease becoming up to 12 kmph from the east direction during evening and night hours.

09.10.2026: Partly cloudy sky. Possibility of a spell of very light rain accompanied with thunderstorm/lightning at isolated places towards afternoon/evening. The maximum and minimum temperatures over Delhi are likely to be in the range of 31°C to 33°C and 22°C to 24°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 below normal (-1.6°C to -3.0°C) at most places over Delhi. The predominant surface wind is likely to be from the southeast direction with wind speed reaching up to 15 kmph during the morning hours. The surface wind speed will decrease becoming up to 12 kmph from the west direction during afternoon. The surface wind speed will increase becoming up to 18 kmph from the southeast direction during evening and night hours.

10.10.2026: Partly cloudy sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 31°C to 33°C and 20°C to 22°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 southeast direction with wind speed reaching up to 20 kmph during the morning hours. The surface wind speed will increase becoming up to 22 kmph from the southeast direction during afternoon. The surface wind speed will decrease becoming up to 20 kmph from the east direction during evening and night hours.

11.10.2026: Partly cloudy sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 31°C to 33°C and 21°C to 23°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 below normal (-1.6°C to -3.0°C) at most places over Delhi. The predominant surface wind is likely to be from the southeast direction with wind speed reaching up to 15 kmph during the morning hours. The surface wind speed will increase becoming up to 20 kmph from the southeast direction during afternoon. The surface wind speed will decrease becoming up to 18 kmph from the east direction during evening and night hours.

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

- ❖ Isolated heavy rainfall likely over Uttarakhand on 9th; over Bihar, Gangetic West Bengal and Sub-Himalayan West Bengal & Sikkim on 8th; over Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal during 8th-10th October; South Interior Karnataka on 9th October.

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**, ensure proper drainage in sorghum, maize, black gram and vegetable fields to prevent water stagnation. Provide adequate support to banana, papaya and moringa and undertake propping in sugarcane to minimize lodging. Harvest mature paddy during suitable dry intervals and keep the produce in safe, dry places.
- In **Keralam**, ensure effective drainage in paddy, banana, coconut, pepper, ginger, turmeric and vegetable fields, with priority to low-lying and waterlogged areas. Harvest mature paddy during clear weather and keep the produce in safe, dry places.
- In **South Interior Karnataka**, maintain proper drainage in standing crop fields. Harvest mature green gram, black gram, soybean wherever conditions permit and shift the produce to covered, safe storage.
- In **Gangetic West Bengal**, maintain adequate drainage in rice and other standing crop fields, particularly in areas prone to water accumulation, and keep field channels clear. Strengthen rice nursery bunds where required and harvest mature crops and vegetables during suitable dry intervals, keeping the produce in safe, dry places.
- In **Sub-Himalayan West Bengal**, maintain proper drainage in rice, ginger, tomato, brinjal, chilli and other vegetable fields and keep drainage channels clear. Strengthen bunds around rice fields and protect vegetable seedlings from excess rain. Harvest mature vegetables and tea leaves during rain-free periods and shift harvested produce to safe, dry places.
- In **Bihar**, ensure drainage in maize, sesame, pigeon pea and other standing crop fields to prevent prolonged water stagnation. Postpone irrigation, fertilizer application and plant-protection operations in excessively wet fields until soil conditions become suitable.
- In **Uttarakhand**, maintain effective drainage in rice, sugarcane, soybean, green gram, black gram and vegetable fields, particularly in low-lying areas. Harvest mature rice, barnyard millet and maize during suitable dry intervals, storing the produce safely.
- In **Konkan and Goa**, maintain adequate moisture in standing crops and provide ventilation in protected cultivation and livestock shelters. Ensure clean drinking water for livestock and poultry and avoid unnecessary field operations during the hottest part of the day.

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.

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.

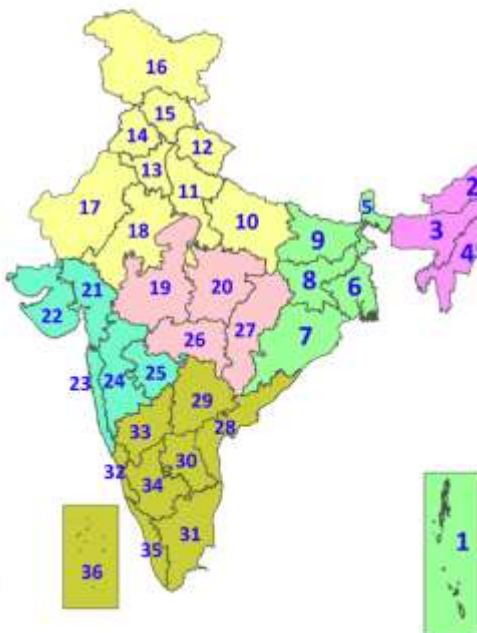
Northeast India: Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.

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, 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

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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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(Service to the Nation since 1875)

DEFINITION/CRITERIA

Rain/ Snow *	Heavy: 64.5 to 115.5 mm/cm * Very Heavy: 115.6 to 204.4 mm/cm * Extremely Heavy: > 204.4 mm/cm *
Heat Wave	When maximum temperature of a station reaches $\geq 40^{\circ}\text{C}$ for plains and $\geq 30^{\circ}\text{C}$ for hilly regions (a) Based on Departure from normal Heat Wave: Maximum Temperature Departure from normal 4.5°C to 6.4°C. Severe Heat Wave: Maximum Temperature Departure from normal $\geq 6.5^{\circ}\text{C}$ (b). Based on Actual maximum temperature Heat Wave: When actual maximum temperature $\geq 45^{\circ}\text{C}$. Severe Heat Wave: When actual maximum temperature $\geq 47^{\circ}\text{C}$. (c). Criteria for heat wave for coastal stations When maximum temperature departure is $> 4.5^{\circ}\text{C}$ from normal. Heat Wave may be described provided maximum temperature $\geq 37^{\circ}\text{C}$
Warm Night	When maximum temperature remains 40°C Warm Night: When minimum temperature departure 4.5°C to 6.4°C. Severe Warm Night: When minimum temperature departure $> 6.4^{\circ}\text{C}$.
Cold Wave	When minimum temperature of a station $\leq 10^{\circ}\text{C}$ for plains and $\leq 0^{\circ}\text{C}$ for hilly regions. (a). Based on departure Cold Wave: Minimum Temperature Departure from normal -4.5°C to -6.4°C. Severe Cold Wave: Minimum Temperature Departure from normal $\leq -6.5^{\circ}\text{C}$ (b) Based on actual Minimum Temperature (for Plains only) Cold Wave : When Minimum Temperature is $\leq 4.0^{\circ}\text{C}$ Severe Cold Wave: When Minimum Temperature is $\leq 2.0^{\circ}\text{C}$ (c) For Coastal Stations When Minimum Temperature departure is $\leq -4.5^{\circ}\text{C}$ & actual Minimum Temperature is $\leq 15^{\circ}\text{C}$
Cold Day	When minimum temperature of a station $\leq 10^{\circ}\text{C}$ for plains and $\leq 0^{\circ}\text{C}$ for hilly regions Based on departure Cold Day: Maximum Temperature Departure from normal -4.5°C to -6.4°C. Severe Cold Day: Maximum Temperature Departure from normal $\leq -6.5^{\circ}\text{C}$
Fog	Phenomenon of small droplets suspended in air and the horizontal visibility $< 1\text{km}$ Moderate Fog: When the visibility between 500-200 metres Dense Fog: when the visibility between 50- 200 metres Very Dense Fog: when the visibility < 50 metres
Thunderstorm	Sudden electrical discharges manifested by a flash of light (Lightning) and a sharp rumbling sound (thunder)
Dust/Sand Storm	An ensemble of particles of dust or sand energetically lifted to great heights by a strong and turbulent wind.
Frost	Ice deposits on ground Air temperature $\leq 4^{\circ}\text{C}$ (over Plains)
Squall	A strong wind that rises suddenly, lasts for atleast 1 minute. Moderate: Wind speed 52-61 kmph Severe: Wind speed 62-87 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 118-185 kmph (64 - 89 knots) Extremely Severe Cyclonic Storm: Wind speed 186-220 kmph (90 -119 knots) Super Cyclone Strom: Wind speed > 220 kmph (> 119 knots)

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