



Government of India
Ministry of Earth Sciences
India Meteorological Department



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

Subject: (i) Isolated heavy rainfall likely over Bihar on 10th; over Nagaland, Manipur, Mizoram & Tripura on 13th October.
(ii) Isolated heavy rainfall likely over Tamil Nadu, Puducherry & Karaikal and Lakshadweep on 10th; Kerala & Mahe on 10th October and on 16th October.
(iii) 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 2-3 days.

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

- ❖ **Heavy to very Heavy rainfall (12-20 cm)** has been recorded over Bihar
- ❖ **Heavy rainfall (7-11 cm)** has been recorded over north Tamil Nadu, north Kerala, coastal Odisha
- ❖ **Hailstorm has occurred at isolated places** over Himachal Pradesh, Uttarakhand and northwest Uttar Pradesh

Withdrawal of southwest Monsoon (Annexure I):

- ❖ The line of withdrawal of **Southwest Monsoon** continues to pass 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 Gulf of Mannar & adjoining south Tamil Nadu runs in the lower tropospheric level.
- ❖ A trough from the above the **cyclonic circulation** over at Gulf of Mannar & adjoining south Tamil Nadu to North Madhya Maharashtra runs in the lower tropospheric level.
- ❖ An **upper air cyclonic circulation** lies over central parts of Odisha runs in the lower tropospheric level.
- ❖ A **trough** from north Rajasthan to **cyclonic circulation** over central parts of Odisha runs from Northwest Rajasthan to Southeast Madhya Pradesh runs in the lower tropospheric level.
- ❖ An **upper air cyclonic circulation** lies over South Bangladesh & neighbourhood runs in the lower tropospheric level.
- ❖ An **upper air cyclonic circulation** over Haryana & neighbourhood runs in the lower tropospheric level.
- ❖ An **upper air cyclonic circulation** lies over East Uttar Pradesh & neighbourhood runs in the lower tropospheric level.
- ❖ A **Western Disturbance** lies over Himachal Pradesh runs in the lower tropospheric level.
- ❖ An **upper air cyclonic circulation** over Gulf of Thailand & neighbourhood now lies over Strait of Malacca and extends in upper tropospheric level. It is likely to emerge in Andaman Sea around 11th October. Under its influence, a **low-pressure area** is likely to form over the Southeast Bay of Bengal around 13th October.

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 10th October, on 13th October and on 16th October.
- ❖ **Isolated to Scattered** rainfall likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 11th October and during 14th-15th October; Himachal Pradesh and Uttarakhand during 10th-16th October.
- ❖ **Isolated to Scattered** rainfall likely over Haryana Chandigarh & Delhi and Punjab during 10th-16th October; West Uttar Pradesh on 11th October and during 14th-16th October; West Rajasthan during 10th-11th October and on 16th October; East Rajasthan during 10th-11th October.
- ❖ **Isolated thunderstorm, lightning & 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 Haryana Chandigarh & Delhi and Punjab on 12th October, **with gusty winds (speed reaching 30-40**

kmph gusting to 50 kmph) likely over West Rajasthan during 10th-11th October; East Rajasthan on 10th October.

- ❖ Isolated **thunderstorm & lightning** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 10th October and during 14th-16th October; Himachal Pradesh during 13th-14th October.

Central India:

- ❖ **Isolated to Scattered** rainfall likely over West Madhya Pradesh during 11th-12th October; East Madhya Pradesh on 10th October; Chhattisgarh during 12th-16th October.
- ❖ Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Chhattisgarh during 12th-14th October.

East India:

- ❖ **Fairly Widespread to Widespread** rainfall likely over Andaman & Nicobar Islands during 10th-11th October.
- ❖ **Isolated to Scattered** rainfall likely over Andaman & Nicobar Islands during 12th-16th October; Sub-Himalayan West Bengal & Sikkim during 10th-11th October and on 16th October; Gangetic West Bengal on 10th October and during 14th-16th October; Jharkhand during 10th-13th October; Bihar during 10th-11th October and during 15th-16th October; Odisha during 10th-16th October.
- ❖ Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Odisha on 10th October, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Bihar and Sub-Himalayan West Bengal & Sikkim on 10th October; Jharkhand during 10th-13th October; Odisha on 11th October.
- ❖ Isolated **heavy rainfall** likely over Bihar on 10th October.

Northeast India:

- ❖ **Isolated to Scattered** rainfall likely over Arunachal Pradesh during 10th-11th October and during 15th-16th October; Assam & Meghalaya during 10th-11th October and during 13th-16th October; Nagaland, Manipur, Mizoram & Tripura during 10th-16th October.
- ❖ Isolated **thunderstorm & lightning** likely over Arunachal Pradesh and Assam & Meghalaya on 10th October; Nagaland, Manipur, Mizoram & Tripura during 10th-11th October.
- ❖ Isolated **heavy rainfall** likely over Nagaland, Manipur, Mizoram & Tripura on 13th October.

South Peninsular India:

- ❖ **Isolated to Scattered** rainfall likely over Coastal Andhra Pradesh & Yanam, Coastal Karnataka, Rayalaseema and Tamil Nadu, Puducherry & Karaikal during 10th-16th October; Kerala & Mahe during 11th-14th October; Lakshadweep during 11th-15th October; North Interior Karnataka on 16th October; South Interior Karnataka on 10th October and during 14th-15th October.
- ❖ **Fairly Widespread to Widespread** rainfall likely over Kerala & Mahe on 10th October and during 15th-16th October; Lakshadweep on 10th October and on 16th October; South Interior Karnataka on 16th October.
- ❖ Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Tamil Nadu, Puducherry & Karaikal during 10th-12th October; Kerala & Mahe and Lakshadweep during 10th-11th October, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Coastal Andhra Pradesh & Yanam and Rayalaseema during 10th-14th October.
- ❖ Isolated **thunderstorm & lightning** likely over Kerala & Mahe during 12th-14th October; Coastal Karnataka and South Interior Karnataka during 14th-16th October; North Interior Karnataka on 16th October.
- ❖ Isolated **heavy rainfall** likely over Tamil Nadu, Puducherry & Karaikal and Lakshadweep on 10th October; Kerala & Mahe on 10th October and on 16th October.
- ❖ Strong Surface Winds likely over Coastal Andhra Pradesh & Yanam and Rayalaseema during 10th-14th October.

Heat Wave, Hot & Humid weather and Warm Night conditions warning:

- ❖ **Hot and humid** weather conditions likely to prevail over Coastal Karnataka and Konkan & Goa during 10th-11th 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:** Madhubani 13
- ❖ **Tamil Nadu:** Thanichiam 8
- ❖ **Kerala & Mahe:** C.I.A.L. Kochi 8

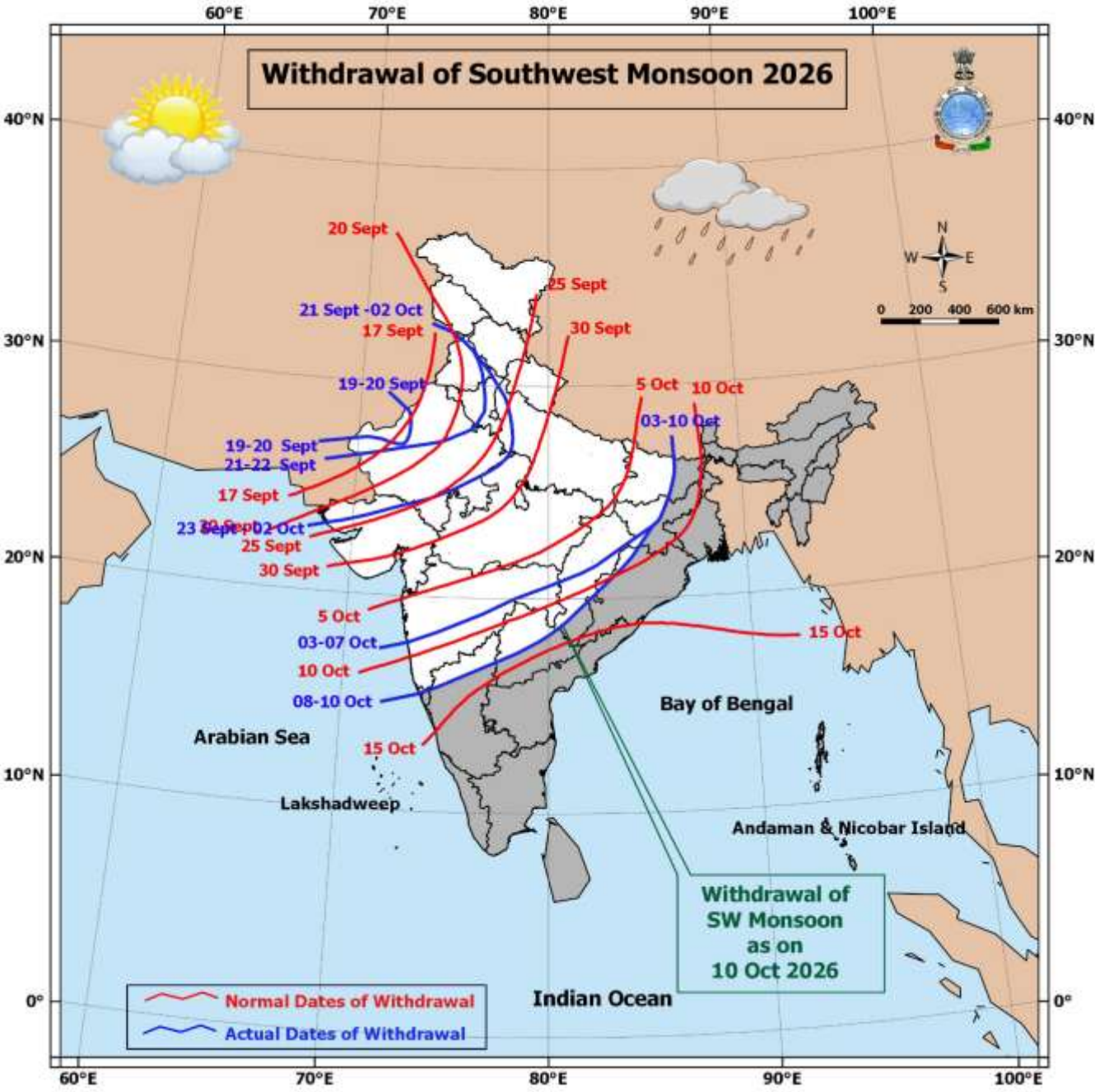
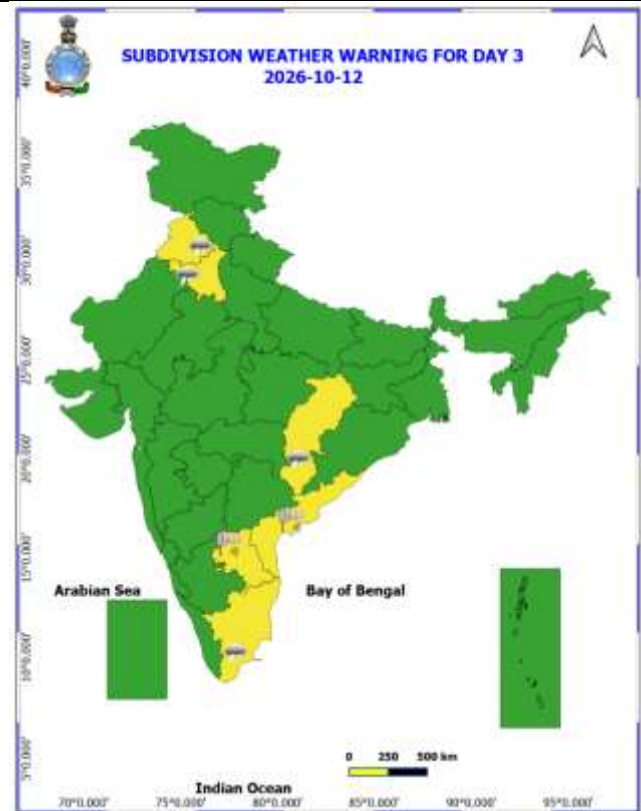
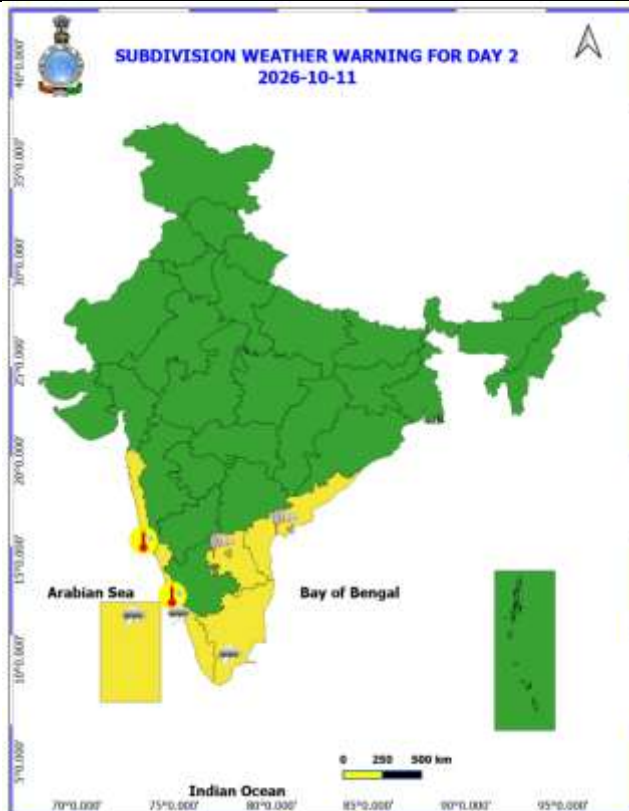
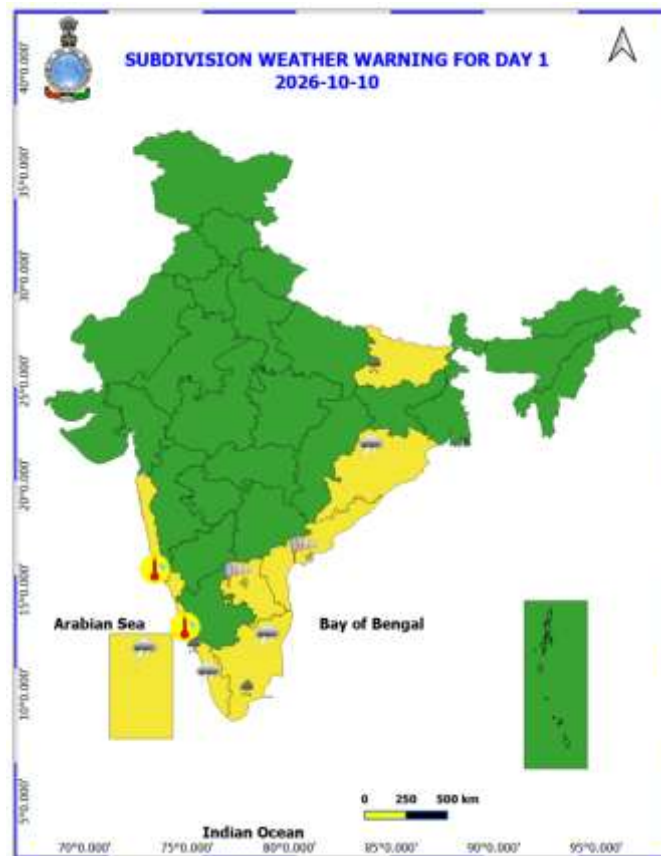
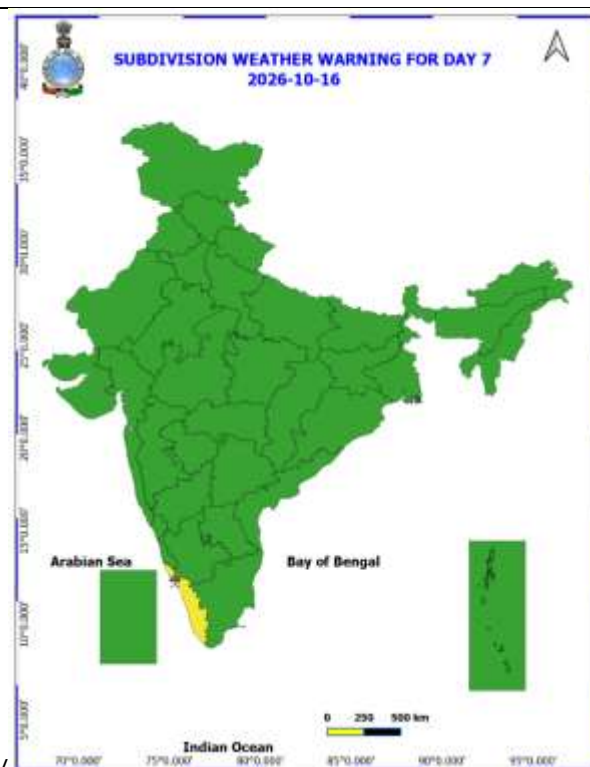
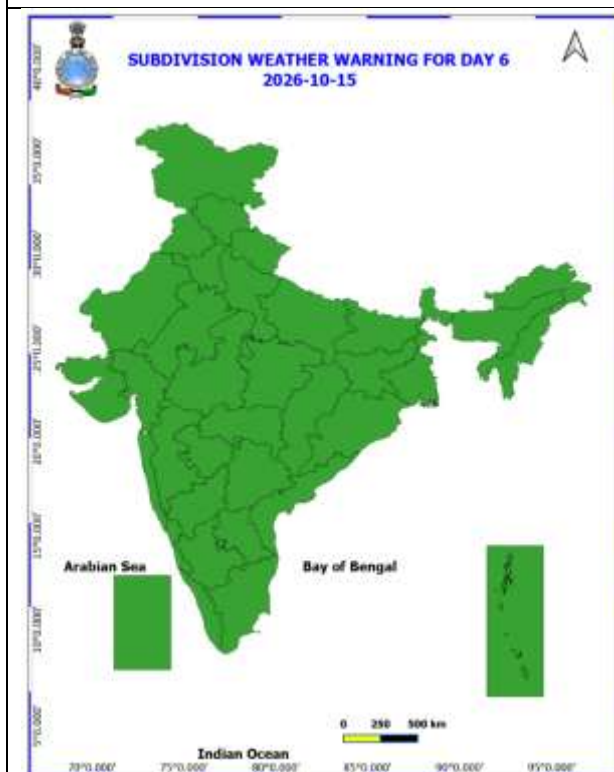
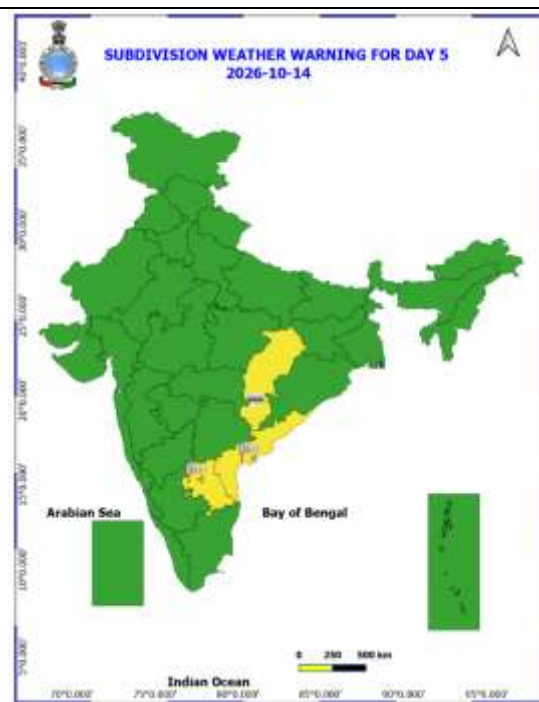
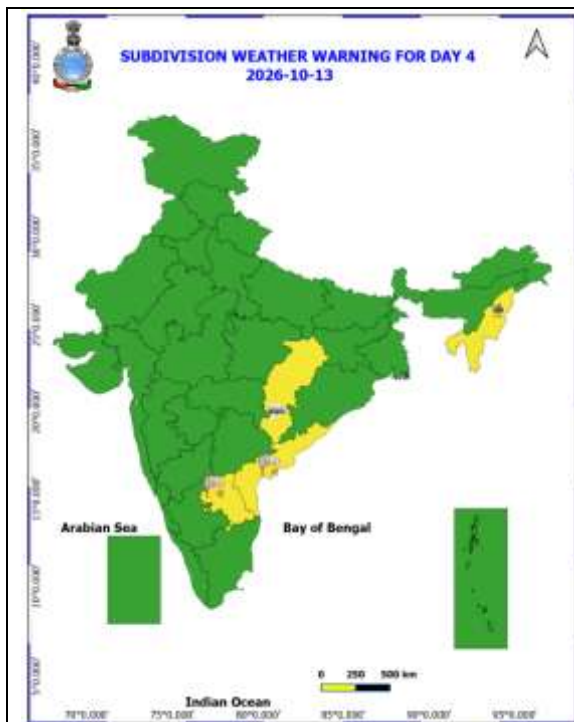


Table-1								
7 Days Rainfall Forecast								
S.No.	Subdivision	10- Oct	11- Oct	12- Oct	13- Oct	14- Oct	15- Oct	16- Oct
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	FWS	FWS	SCT	SCT	SCT	ISOL	ISOL
2	ARUNACHAL PRADESH	SCT	ISOL	DRY	DRY	DRY	ISOL	ISOL
3	ASSAM & MEHGHALAYA	ISOL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

- 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 10th -13th October 2026**Past Weather:**

There has been no large change in maximum temperatures and fall in minimum temperatures by 1-2°C at most places over Delhi during the past 24 hours. The maximum temperatures were in the range of 34-36°C and the minimum temperatures are in the range 21-24°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, above normal (1.6°C to 3.0°C) at a few 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 a few places and normal (-1.5°C to 1.5°C) over remaining parts of Delhi. Partly cloudy sky with surface wind speed 15 kmph gusting up to 33 kmph from the southeast direction prevailed over Delhi during past 24 hours. Partly cloudy sky with surface wind speeds up to 18 kmph from the southeast direction likely to prevail during forenoon over the region today.

Weather Forecast:

10.10.2026: Partly cloudy sky. 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 southeast direction with surface wind speed reaching up to 15 kmph during the afternoon. The surface wind speed will increase becoming up to 20 kmph from the southeast 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 32°C to 34°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 near normal (-1.5°C to 1.5°C) at most places over Delhi. The predominant surface wind is likely to be from the southeast direction with wind speed reaching up to 22 kmph during the morning hours. The surface wind speed will decrease becoming up to 18 kmph from the southeast direction during afternoon. The surface wind speed will increase becoming up to 20 kmph from the east direction during evening and night hours.

12.10.2026: Partly cloudy sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 33°C to 35°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 near normal (-1.5°C to 1.5°C) at most places over Delhi. The predominant surface wind is likely to be from the southeast direction with wind speed reaching up to 22 kmph during the morning hours. The surface wind speed will decrease becoming up to 18 kmph from the southeast direction during afternoon. The surface wind speed will increase becoming up to 20 kmph from the southeast direction during evening and night hours.

13.10.2026: Partly cloudy sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 33°C to 35°C and 23°C to 25°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 southeast direction with wind speed reaching up to 20 kmph during the morning hours. The surface wind speed will decrease becoming up to 15 kmph from the southeast direction during afternoon. The surface wind speed will increase becoming up to 20 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 Bihar on 10th; over Nagaland, Manipur, Mizoram & Tripura on 13th October.
- ❖ Isolated heavy rainfall likely over Tamil Nadu, Puducherry & Karaikal and Lakshadweep on 10th; Kerala & Mahe on 10th October and on 16th 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 **Bihar**, ensure proper drainage in paddy fields. Drain excess water from maize, pigeon pea and vegetable nurseries to prevent waterlogging and crop damage. Harvest mature maize cobs when the husks turn brown, dry them thoroughly before shelling and store the produce safely. Harvest mature bottle gourd and sponge gourd at the appropriate stage.
- In **Tamil Nadu**, ensure proper drainage in paddy nurseries and standing crop fields, particularly rice, turmeric, cotton and maize, to prevent water stagnation. Harvest mature paddy and groundnut during suitable dry intervals and store the produce safely. Provide support to banana, papaya and other vulnerable crops, undertake propping in sugarcane, and postpone fertilizer application and pesticide spraying during rainfall.
- In **Keralam**, clean drainage channels and ensure effective removal of excess water from standing crops, particularly paddy, banana, coconut, pepper, ginger, turmeric and vegetables. Provide strong support to banana plants and stake vegetable pandals to prevent lodging due to rain and gusty winds. Postpone fertilizer application, pesticide spraying and other field operations during rainfall, and harvest mature crops during suitable dry intervals.
- In **Konkan and Goa**, provide temporary shade to newly planted mango, cashew, coconut and arecanut saplings and apply light irrigation to reduce heat stress. Maintain adequate soil moisture in rice fields, particularly during panicle initiation, flowering and grain filling, and irrigate turmeric and groundnut according to moisture requirements. Keep harvested produce in safe 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.

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:64.5115.5mm; **Very Heavy Rain:**115.6204.4mm; **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.

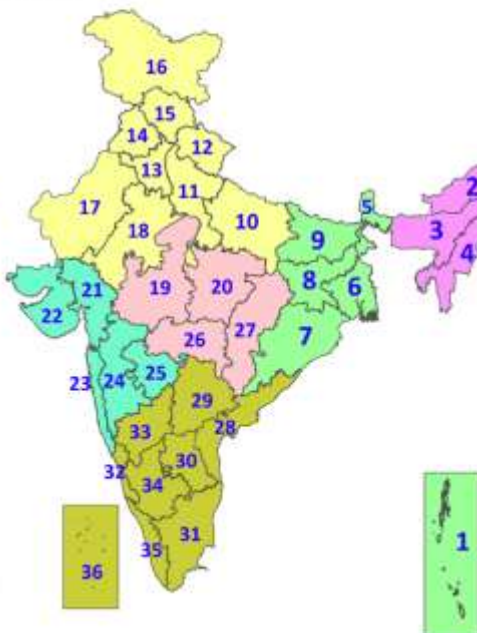
Northeast India: Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.

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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