



Government of India
Ministry of Earth Sciences
India Meteorological Department



Press Release
Date: 12th October 2026
Time of Issue: 1330 hours IST

Subject: (i) Conditions are becoming favourable for further withdrawal of Southwest Monsoon from remaining parts of the country and simultaneous commencement of northeast monsoon rains over south peninsula during next 2-3 days.

(ii) With the onset of the Northeast Monsoon, a prolonged wet spell is likely over south peninsular India during subsequent next 5-6 days. Isolated heavy rainfall is expected over Kerala and Mahe, Coastal and South Interior Karnataka, Tamil Nadu, Puducherry and Karaikal, and Coastal Andhra Pradesh during 15-18 October. North Interior Karnataka is likely to receive isolated heavy rainfall on 17 and 18 October, while Rayalaseema may experience similar conditions on 15 and 16 October.

Realised weather during past 24 hours ending at 0830 hours IST of today, the 12th October, 2026:

- ❖ **Very Heavy rainfall (12-20 cm)** has been recorded over Jammu-Kashmir.
- ❖ **Heavy rainfall (7-11 cm)** has been recorded over Andaman & Nicobar Islands, Haryana
- ❖ **Hailstorm** has occurred at isolated places over Uttarakhand & West Uttar Pradesh.

Withdrawal of southwest Monsoon (Annexure I):

The line of withdrawal of Southwest Monsoon now passes through 27.0°N/90.5°E, Kolkata, Angul, Khammam, Honavar and 14.0°N/73.0°E.

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

- ❖ The **Western Disturbance** as a **cyclonic circulation** lies over northwest Uttar Pradesh in lower & middle tropospheric levels.
- ❖ An **upper air cyclonic circulation** lies over south Bangladesh adjoining Gangetic West Bengal in lower tropospheric level.
- ❖ A **trough** from northwest Bay of Bengal to East Uttar Pradesh across north Odisha, Jharkhand and southwest Bihar in lower tropospheric level.
- ❖ An **upper air cyclonic circulation** lies over West Rajasthan & neighbourhood in lower tropospheric level.
- ❖ An **upper air cyclonic circulation** over Gulf of Mannar & adjoining south Tamil Nadu coast in lower tropospheric level.
- ❖ The **upper air cyclonic circulation** over southeast Bay of Bengal and extends upto middle tropospheric levels. Under its influence, a **low-pressure area** is likely to form over same regions around 13th October.

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

Northwest India:

- ❖ **Isolated to Scattered** rainfall likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 12th October and on 16th October; Himachal Pradesh during 12th-13th October and during 16th-17th October; Uttarakhand during 12th-18th October.
- ❖ **Isolated to Scattered** rainfall likely over Haryana Chandigarh & Delhi and Punjab during 12th-13th October; West Rajasthan and West Uttar Pradesh during 12th-15th October; East Uttar Pradesh during 15th-16th October; East Rajasthan during 13th-16th October.
- ❖ **Fairly Widespread to Widespread** rainfall likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 13th-15th October; Himachal Pradesh during 14th-15th October.
- ❖ **Fairly Widespread to Widespread** rainfall likely over Haryana Chandigarh & Delhi and Punjab during 14th-15th October.
- ❖ Isolated **thunderstorm, lightning & gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 12th-13th October; Uttarakhand on 15th October.
- ❖ Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Haryana Chandigarh & Delhi and Punjab during 13th-15th October, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over West Uttar Pradesh on 12th October; East Rajasthan and West Rajasthan during 13th-15th October.

- ❖ Isolated **thunderstorm & lightning** likely over Himachal Pradesh during 13th-15th October.
- ❖ Isolated **heavy rainfall** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 14th October.
- ❖ Isolated **Hailstorm** activity likely over Haryana Chandigarh & Delhi and Punjab during 14th-15th October.

Central India:

- ❖ **Isolated to Scattered** rainfall likely over West Madhya Pradesh during 15th-16th October; East Madhya Pradesh during 16th-18th October; Vidarbha during 17th-18th October; Chhattisgarh during 12th-18th October.

East India:

- ❖ **Fairly Widespread to Widespread** rainfall likely over Andaman & Nicobar Islands during 12th-13th October.
- ❖ **Isolated to Scattered** rainfall likely over Andaman & Nicobar Islands and Gangetic West Bengal during 14th-18th October; Sub-Himalayan West Bengal & Sikkim during 16th-18th October; Jharkhand on 12th October; Bihar on 12th October and during 16th-18th October; Odisha during 12th-18th October.
- ❖ Isolated **thunderstorm, lightning & gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Andaman & Nicobar Islands on 12th October.
- ❖ Isolated **heavy rainfall** likely over Andaman & Nicobar Islands on 12th October.

Northeast India:

- ❖ **Isolated to Scattered** rainfall likely over Arunachal Pradesh during 14th-17th October; Assam & Meghalaya during 12th-18th October; Nagaland, Manipur, Mizoram & Tripura during 12th-16th October.
- ❖ Isolated **thunderstorm & lightning** likely over Nagaland, Manipur, Mizoram & Tripura during 13th-14th October.

South Peninsular India:

- ❖ **Isolated to Scattered** rainfall likely over Tamil Nadu, Puducherry & Karaikal during 12th-18th October; Kerala & Mahe during 12th-14th October; Coastal Andhra Pradesh & Yanam and Lakshadweep during 12th-15th October; Coastal Karnataka and North Interior Karnataka during 15th-16th October; South Interior Karnataka during 13th-15th October; Rayalaseema during 12th-14th October and during 17th-18th October; Telangana during 15th-18th October.
- ❖ **Fairly Widespread to Widespread** rainfall likely over Kerala & Mahe during 15th-18th October; Coastal Andhra Pradesh & Yanam, Lakshadweep and South Interior Karnataka during 16th-18th October; Coastal Karnataka and North Interior Karnataka during 17th-18th October; Rayalaseema during 15th-16th October.
- ❖ Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Coastal Andhra Pradesh & Yanam, Kerala & Mahe and Rayalaseema during 15th-16th October; North Interior Karnataka during 16th-18th October; South Interior Karnataka during 15th-18th October, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Kerala & Mahe on 12th October; Coastal Andhra Pradesh & Yanam and Rayalaseema during 12th-14th October; Telangana during 15th-18th October.
- ❖ Isolated **thunderstorm & lightning** likely over Tamil Nadu, Puducherry & Karaikal during 12th-16th October; Kerala & Mahe during 13th-14th October; Coastal Karnataka during 16th-18th October; North Interior Karnataka on 15th October; South Interior Karnataka on 14th October.
- ❖ Isolated **heavy rainfall** likely over Kerala & Mahe, South Interior Karnataka and Tamil Nadu, Puducherry & Karaikal during 15th-18th October; Coastal Karnataka during 17th-18th October; North Interior Karnataka during 16th-18th October; Coastal Andhra Pradesh & Yanam during 14th-17th October; Rayalaseema during 14th-16th October.
- ❖ Strong Surface Winds likely over Coastal Andhra Pradesh & Yanam and Rayalaseema during 12th-16th October.

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

- ❖ **Hot and humid** weather conditions likely to prevail over Konkan & Goa during 12th-13th 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 (≥ 4 cm) (from 0830 hours IST of yesterday to 0830 hours IST of today over different Meteorological Subdivision):

- ❖ **Jammu-Kashmir:** Jammu 19
- ❖ **Andaman & Nicobar Islands:** Mayabunder 7
- ❖ **Haryana:** Ismailabad 8

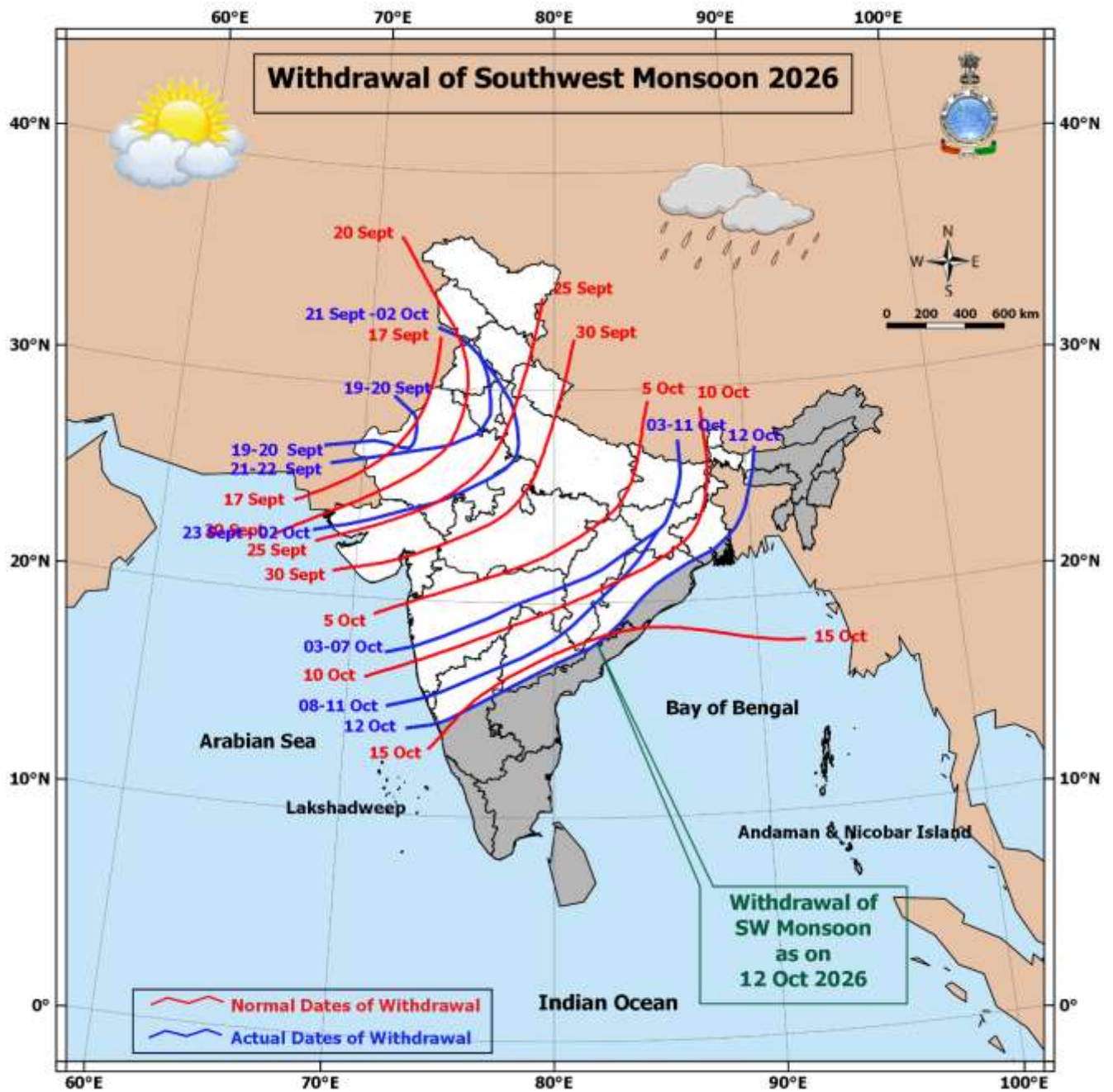
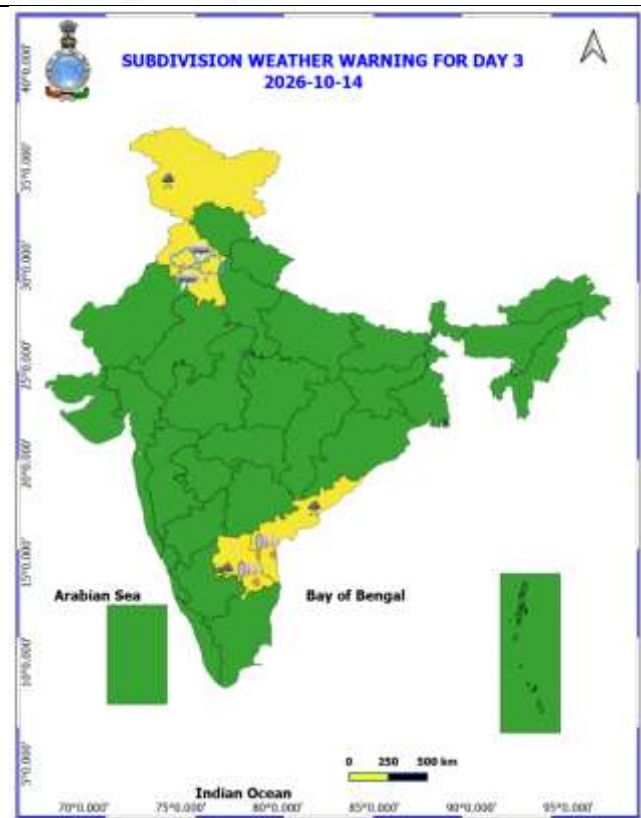
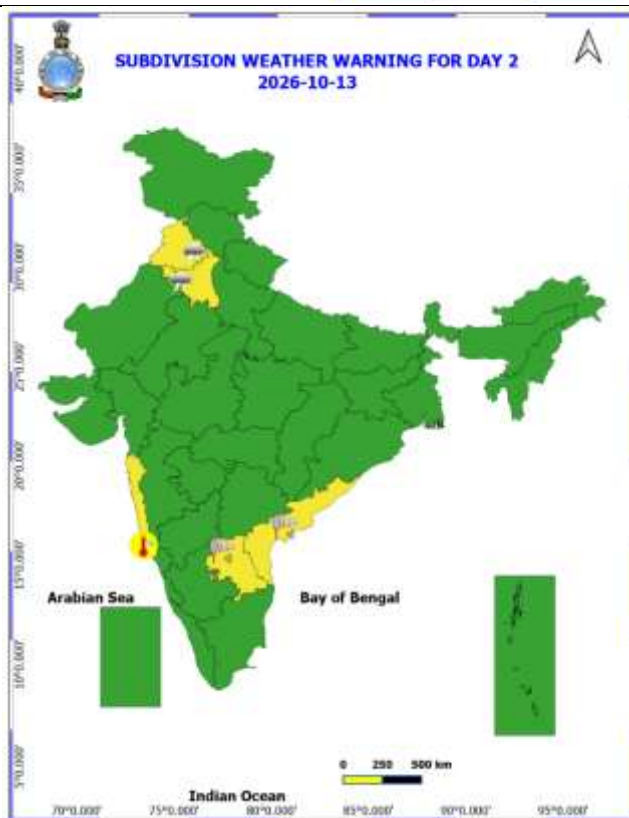
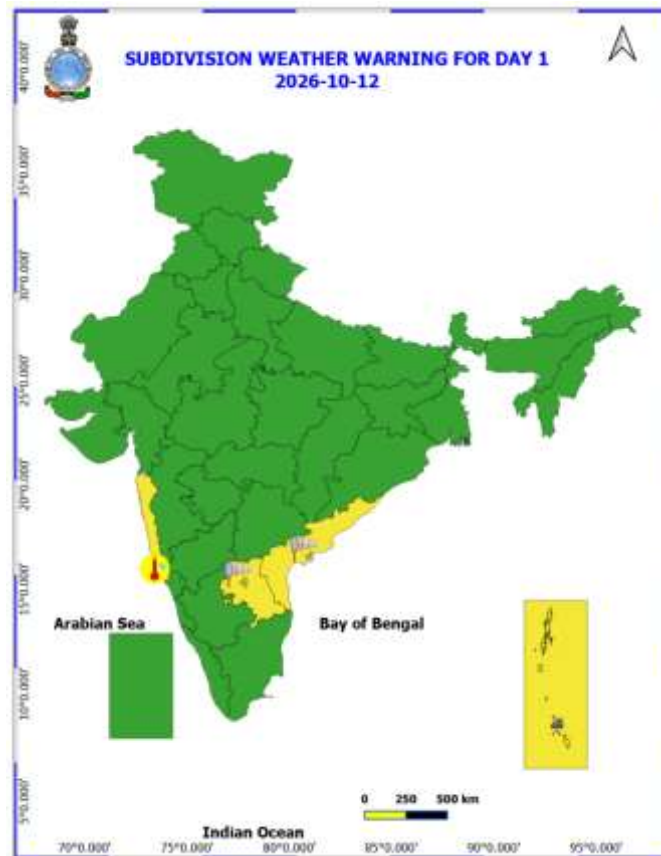
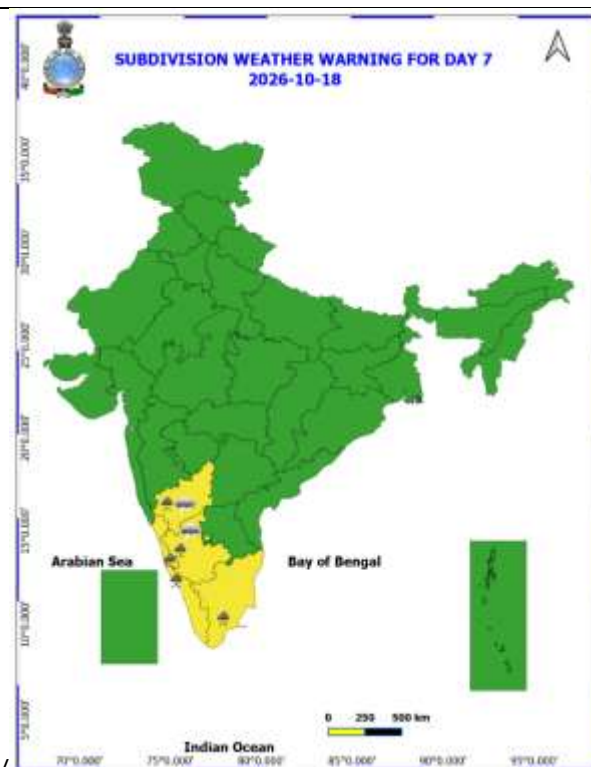
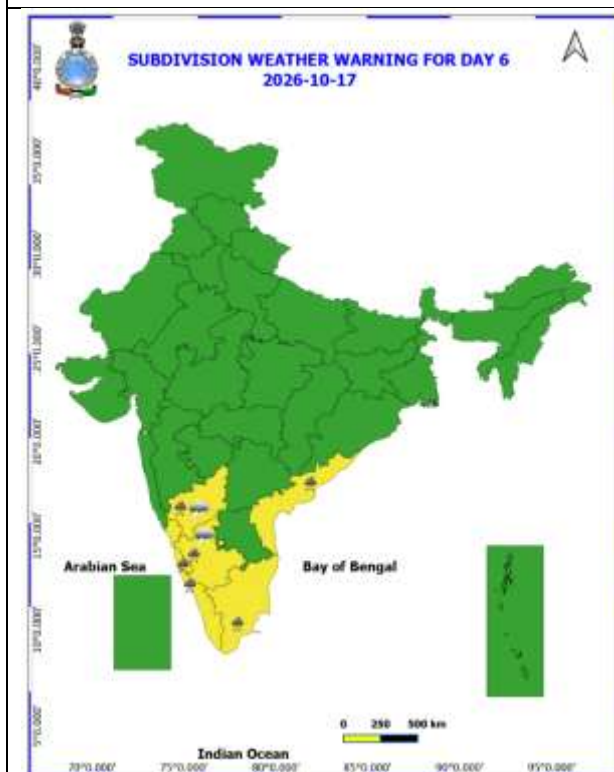
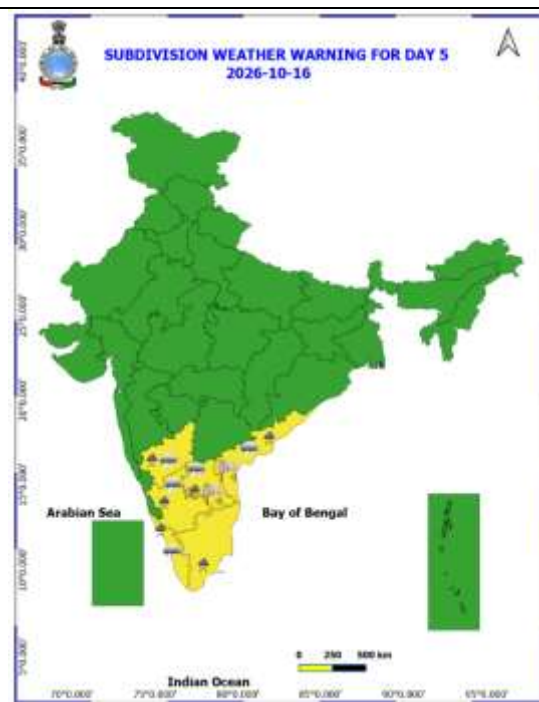
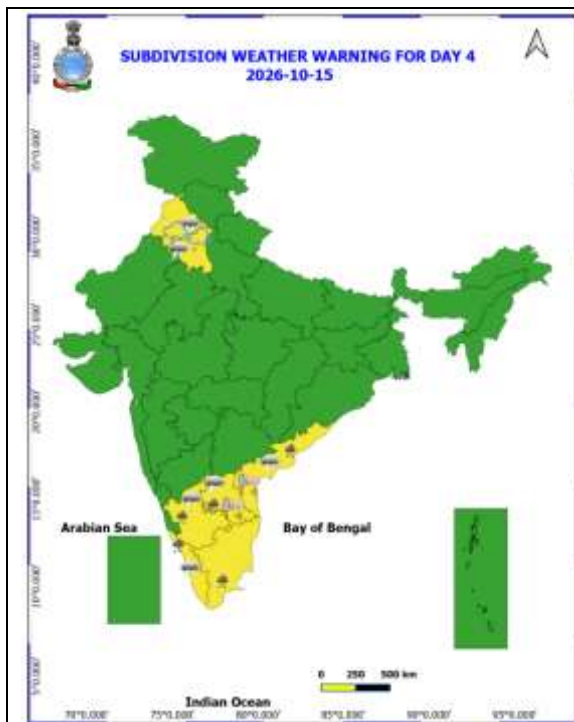


Table-1								
7 Days Rainfall Forecast								
S.No.	Subdivision	12- Oct	13- Oct	14- Oct	15- Oct	16- Oct	17- Oct	18- Oct
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	FWS	FWS	SCT	ISOL	ISOL	ISOL	ISOL
2	ARUNACHAL PRADESH	DRY	DRY	ISOL	ISOL	ISOL	ISOL	DRY
3	ASSAM & MEHGHALAYA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
4	NAGALAND, MANIPUR, MIZORAM AND TRIPURA	ISOL	ISOL	ISOL	ISOL	ISOL	DRY	DRY
5	SUB HIMALAYAN WEST BENGAL & SIKKIM	DRY	DRY	DRY	DRY	ISOL	ISOL	ISOL
6	GANGETIC WEST BENGAL	DRY	DRY	ISOL	SCT	SCT	ISOL	ISOL
7	ODISHA	ISOL	ISOL	SCT	SCT	SCT	ISOL	ISOL
8	JHARKHAND	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
9	BIHAR	ISOL	DRY	DRY	DRY	ISOL	ISOL	ISOL
10	EAST UTTAR PRADESH	DRY	DRY	DRY	ISOL	ISOL	DRY	DRY
11	WEST UTTAR PRADESH	ISOL	ISOL	ISOL	ISOL	DRY	DRY	DRY
12	UTTARAKHAND	ISOL	ISOL	ISOL	SCT	SCT	ISOL	ISOL
13	HARYANA, CHANDIGARH & DELHI	ISOL	SCT	FWS	FWS	DRY	DRY	DRY
14	PUNJAB	ISOL	SCT	FWS	FWS	DRY	DRY	DRY
15	HIMACHAL PRADESH	ISOL	SCT	FWS	FWS	ISOL	ISOL	DRY
16	JAMMU AND KASHMIR AND LADAKH	ISOL	FWS	FWS	FWS	ISOL	DRY	DRY
17	WEST RAJASTHAN	ISOL	ISOL	ISOL	ISOL	DRY	DRY	DRY
18	EAST RAJASTHAN	DRY	ISOL	ISOL	ISOL	ISOL	DRY	DRY
19	WEST MADHYA PRADESH	DRY	DRY	DRY	ISOL	ISOL	DRY	DRY
20	EAST MADHYA PRADESH	DRY	DRY	DRY	DRY	ISOL	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	ISOL	ISOL	ISOL
24	MADHYA MAHARASHTRA	DRY	DRY	DRY	DRY	ISOL	ISOL	ISOL
25	MARATHWADA	DRY	DRY	DRY	DRY	DRY	ISOL	ISOL
26	VIDARBHA	DRY	DRY	DRY	DRY	DRY	ISOL	ISOL
27	CHHATTISGARH	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
28	COASTAL ANDHRA PRADESH	ISOL	ISOL	ISOL	SCT	FWS	FWS	FWS
29	TELANGANA	DRY	DRY	DRY	ISOL	ISOL	ISOL	ISOL
30	RAYALASEEMA	ISOL	ISOL	SCT	FWS	FWS	SCT	SCT
31	TAMILNADU & PUDUCHERRY	ISOL	ISOL	ISOL	ISOL	SCT	SCT	SCT
32	COSTAL KARNATAKA	DRY	DRY	DRY	ISOL	SCT	FWS	FWS
33	NORTH INTERIOR KARNATAKA	DRY	DRY	DRY	ISOL	SCT	FWS	FWS
34	SOUTH INTERIOR KARNATAKA	DRY	ISOL	ISOL	SCT	DRY	DRY	DRY
35	KERALA AND MAHE	ISOL	ISOL	SCT	DRY	DRY	DRY	DRY
36	LAKSHADWEEP	SCT	SCT	SCT	SCT	FWS	FWS	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 12th -15th October 2026**Past Weather:**

There has been fall in maximum temperatures by 1-2°C and fall in minimum temperatures by 3-5°C over Delhi during the past 24 hours. The maximum temperatures were in the range of 30-32°C and the minimum temperatures are in the range 17-20°C respectively during past 24 hours over Delhi. The minimum temperatures are appreciably below normal (-3.1°C to -5.0°C) at isolated places, below normal (-1.6°C to -3.0°C) at many places and normal (-1.5°C to 1.5°C) over remaining parts of Delhi. The maximum temperatures were appreciably below normal (-3.1°C to -5.0°C) at many places and below normal (-1.6°C to -3.0°C) at a few places over Delhi. Moderate rain accompanied with thunderstorm/lightning has been occurred at most places over Delhi during past 24 hours. Partly cloudy sky with surface wind speed 30 kmph gusting 44 kmph from the southeast direction prevailed over Delhi during past 24 hours. Generally cloudy sky with surface wind speeds up to 15 kmph from the southeast direction likely to prevail during forenoon over the region today.

Weather Forecast:

12.10.2026: Generally cloudy sky. One or two spells of very light to light rain at many places with moderate rain at a few places accompanied with thunderstorm/ lightening and strong surface winds 40-50 kmph gusting to 60 kmph during afternoon to evening. The maximum temperatures over Delhi are likely to be in the range of 31-33°C. 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 surface wind speed reaching up to 18 kmph during the afternoon. The surface wind speed will decrease becoming up to 15 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 32°C to 34°C and 20°C to 22°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 15 kmph during the morning hours. The surface wind speed will increase becoming up to 18 kmph from the northeast direction during afternoon. The surface wind speed will increase becoming up to 20 kmph from the southeast direction during evening and night hours.

14.10.2026: Partly cloudy sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 33°C to 35°C and 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 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 20 kmph from the southeast direction during afternoon. The surface wind speed will decrease becoming up to 18 kmph from the southeast direction during evening and night hours.

15.10.2026: 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 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 increase becoming up to 22 kmph from the northeast direction during afternoon. The surface wind speed will decrease becoming up to 20 kmph from east direction during evening and night hours.

Impact expected and action suggested due to isolated thunderstorm with lightning/squally winds & Hailstorm over

- ❖ Isolated **Hailstorm** activity likely over Haryana Chandigarh & Delhi and Punjab on 14th & 15th October.

Impact expected:

- Breaking of tree branches, uprooting of large avenue trees. Large dead limbs blown from trees. Damage to Standing crops.
- Minor to Major damage to banana and papaya trees.
- Minor to major damage to power and communication lines due to breaking of branches.
- Strong wind/hail may damage plantation, horticulture and standing crops.
- Hail may injure people and cattle at open places.
- Partial damage to vulnerable structures due to strong winds.
- Minor damage to kutcha houses/walls and huts.
- Loose objects may fly.

Action suggested:

- People are advised to keep a watch on the weather for worsening conditions and be ready to move to safer places accordingly.
- Stay indoors, close windows & doors and avoid travel if possible.
- Take safe shelters; do not take shelter under trees.
- Do not lie on concrete floors and do not lean against concrete walls.
- Unplug electrical/ electronic appliances.
- Immediately get out of water bodies.
- Keep away from all the objects that conduct electricity.

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

- ❖ Isolated heavy rainfall is likely over Kerala & Mahe, South Interior Karnataka, Coastal Karnataka, Tamil Nadu, Puducherry & Karaikal, Coastal Andhra Pradesh, during 15th-18th October; North Interior Karnataka on 17th & 18th; Rayalaseema on 15th & 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 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.

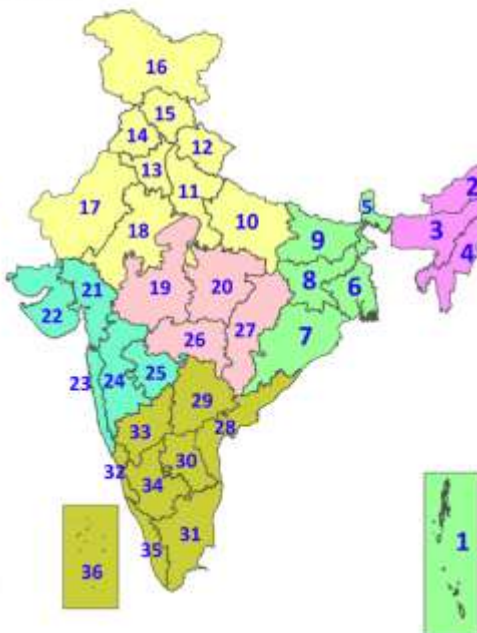
Northeast India: Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.

West India: Gujarat Region, Saurashtra & Kutch, Coastal Maharashtra (Konkan) & Goa, Madhya Maharashtra and Marathwada.

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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(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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