



Government of India
Ministry of Earth Sciences
India Meteorological Department



Press Release
Date: 15th October 2026
Time of Issue: 1240 hours IST

Subject: Subject: (i) Southwest monsoon has withdrawn from the entire country today, the 15th October, 2026. Simultaneously, the Northeast monsoon rainfall activity has commenced over Tamil Nadu, Puducherry & Karaikal, Coastal Andhra Pradesh, Rayalaseema, South Interior Karnataka, and Kerala & Mahe today, the 15th October, 2026.

(ii) With the onset of the Northeast Monsoon, a wet spell with isolated heavy falls is likely over many parts of south peninsular India till 21st October, 2026.

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

- ❖ **Heavy rainfall (7-11 cm)** has been recorded over Himachal Pradesh and Tamil Nadu.

Withdrawal of southwest Monsoon (Annexure I):

- ❖ Southwest monsoon has withdrawn from the entire country today, the 15th October, 2026. Simultaneously, the Northeast monsoon rainfall activity has commenced over Tamil Nadu, Puducherry & Karaikal, Coastal Andhra Pradesh, Rayalaseema, South Interior Karnataka, and Kerala & Mahe today, the 15th October, in association with following features:
 - a) An upper air cyclonic circulation lies over south Coastal Tamil Nadu & neighbourhood in lower tropospheric levels.
 - b) Easterly/northeasterly winds set-in over southern peninsular India, south, central & adjoining northwest Bay of Bengal in lower tropospheric levels.
 - c) Fairly widespread rainfall occurred over Tamil Nadu, Puducherry & Karaikal and adjoining areas of south Coastal Andhra Pradesh & south Rayalaseema during the past 24 hrs.
 - d) Heavy rainfall occurred at a few places over Tamil Nadu, Puducherry & Karaikal, and moderate rainfall occurred over many places over Tamil Nadu, Puducherry & Karaikal, and south Coastal Andhra Pradesh during the same period.

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

- ❖ The **Western Disturbance** as a cyclonic circulation lies over north Punjab & neighbourhood in lower tropospheric levels with a trough aloft in middle & upper tropospheric levels roughly along Long. 72°E to the north of Lat. 30°N.
- ❖ An **upper air cyclonic circulation** lies over south Haryana & neighbourhood in lower tropospheric level.
- ❖ An **upper air cyclonic circulation** lies over south coastal Tamil Nadu in lower tropospheric levels.
- ❖ A **trough** runs from upper air cyclonic circulation over south coastal Tamil Nadu to Northwest Bay of Bengal off Odisha coast in lower tropospheric levels.
- ❖ A **trough** runs from northeast Uttar Pradesh to Eastcentral Arabian sea in lower tropospheric level.
- ❖ An **upper air cyclonic circulation** lies over southeast Arabian Sea & adjoining Lakshadweep in lower tropospheric levels.
- ❖ A **trough** runs from upper air cyclonic circulation lies over southeast Arabian Sea & adjoining Lakshadweep to northwest Arabian Sea in lower tropospheric level.

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

South Peninsular India:

- ❖ **Fairly Widespread to Widespread** rainfall likely over Tamil Nadu, Puducherry & Karaikal during 15th-19th October; Kerala & Mahe, Lakshadweep and South Interior Karnataka during 15th-21st October; Coastal Karnataka during 16th-21st October; North Interior Karnataka during 17th-20th October; Coastal Andhra Pradesh & Yanam during 18th-20th October; Rayalaseema during 16th-20th October.

- ❖ **Isolated to Scattered** rainfall likely over Tamil Nadu, Puducherry & Karaikal during 20th-21st October; Coastal Karnataka on 15th October; North Interior Karnataka during 15th-16th October and on 21st October; Coastal Andhra Pradesh & Yanam during 15th-17th October and on 21st October; Rayalaseema on 15th October and on 21st October; Telangana during 15th-21st October.
- ❖ Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Tamil Nadu, Puducherry & Karaikal during 15th-19th October; Kerala & Mahe and Lakshadweep during 15th-16th October; North Interior Karnataka during 16th-17th October; Coastal Andhra Pradesh & Yanam and Rayalaseema during 16th-19th October, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Kerala & Mahe and Lakshadweep during 17th-19th October; North Interior Karnataka on 15th October and on 18th October; South Interior Karnataka during 15th-17th October; Coastal Andhra Pradesh & Yanam and Rayalaseema on 15th October; Telangana during 15th-21st October.
- ❖ Isolated **thunderstorm & lightning** likely over Coastal Karnataka during 15th-18th October; South Interior Karnataka on 18th October.
- ❖ Isolated **heavy rainfall** likely over Tamil Nadu, Puducherry & Karaikal during 17th-21st October; Kerala & Mahe during 16th-21st October; Coastal Karnataka during 16th-17th October; South Interior Karnataka on 15th October and during 17th-21st October; Coastal Andhra Pradesh & Yanam and Rayalaseema during 15th-16th October; Telangana on 18th October with isolated **very heavy rainfall** also likely over Tamil Nadu, Puducherry & Karaikal during 15th-16th October; Kerala & Mahe on 15th October; South Interior Karnataka on 16th October.
- ❖ Strong Surface Winds likely over Coastal Andhra Pradesh & Yanam and Rayalaseema during 15th-19th October.

Northwest India:

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

West, Central, East & Northeast India:

- ❖ **No significant weather likely over West, Central, East & Northeast India during the week.**

Hot & Humid weather warning:

- ❖ **Hot and humid** weather conditions likely to prevail over Konkan & Goa during 15th-16th October; Coastal Karnataka on 15th 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):

- ❖ Tamil Nadu: Togamalai(Karur) 11
- ❖ Himachal Pradesh: Khadralla(dist. Shimla) 8.

Annexure I

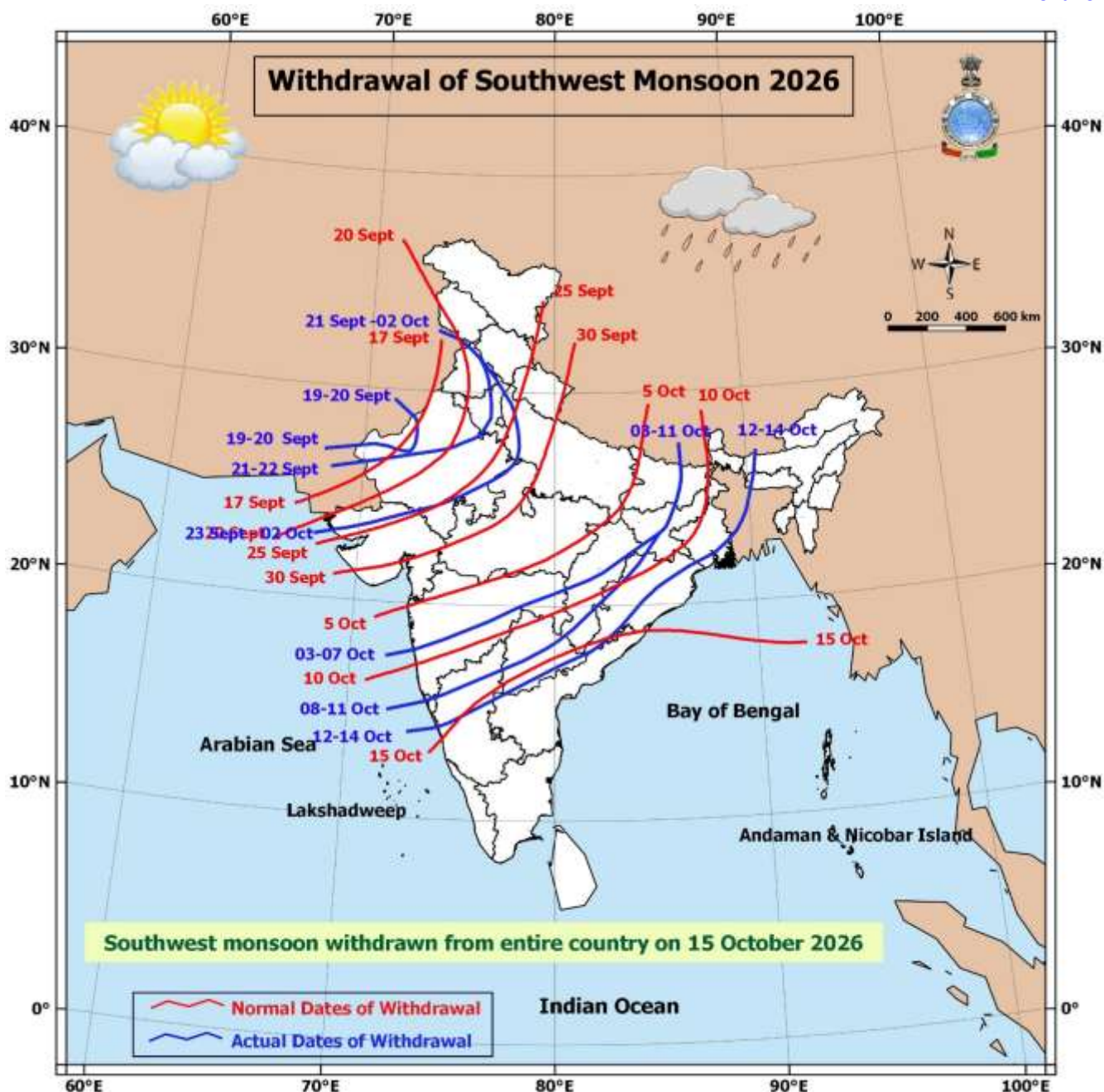
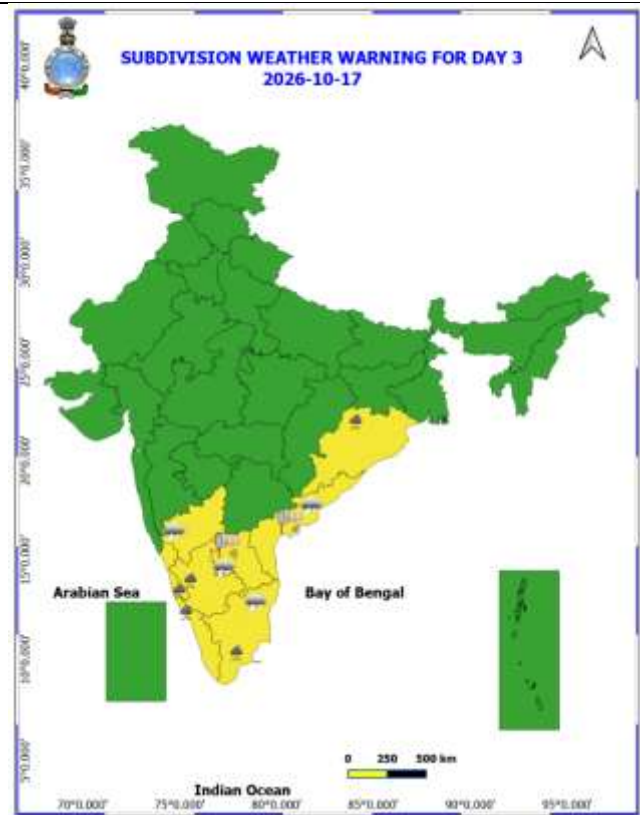
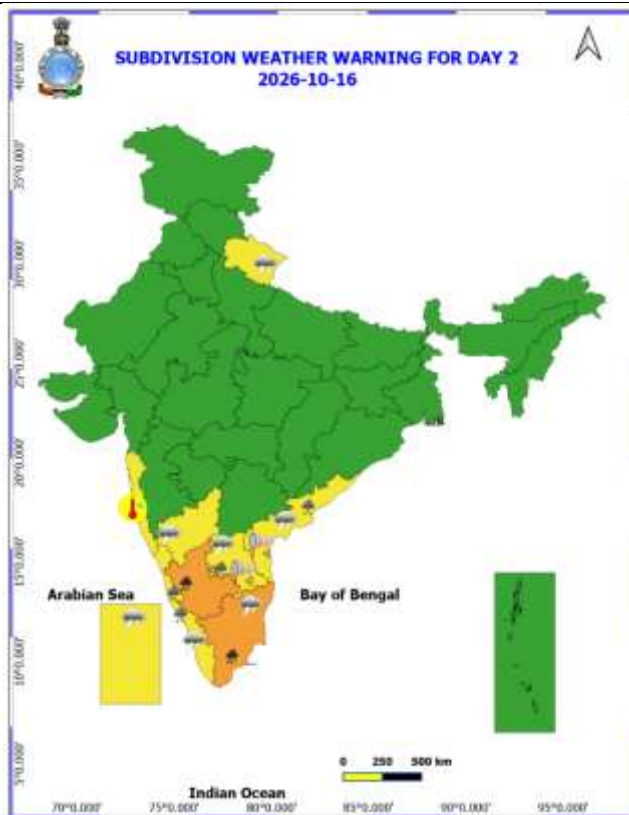
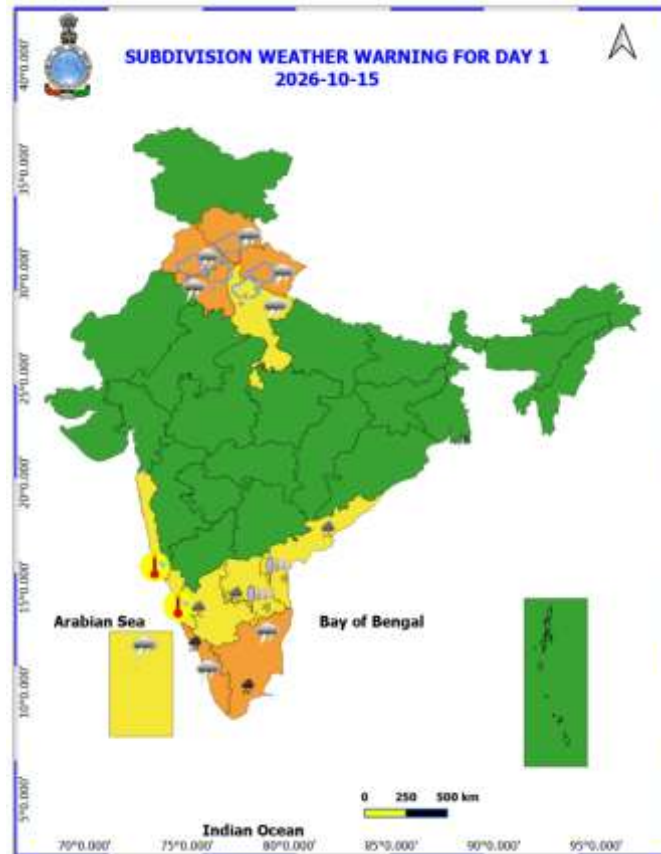
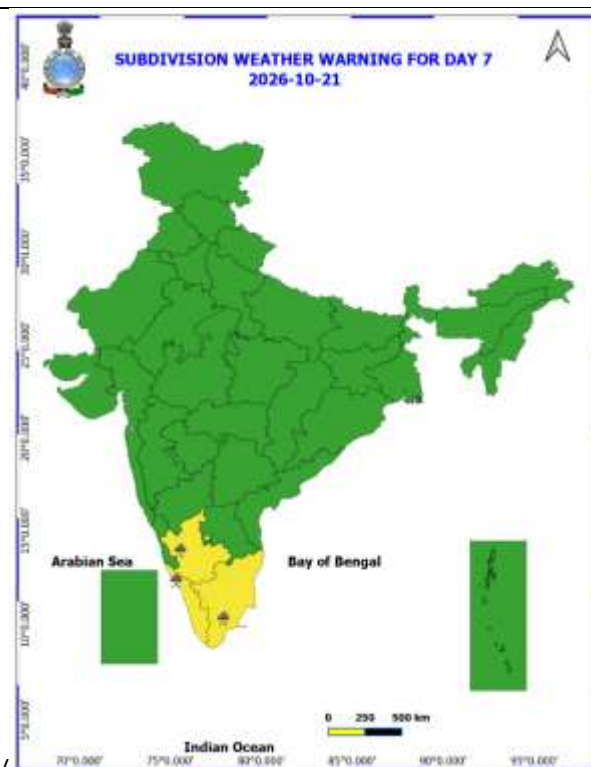
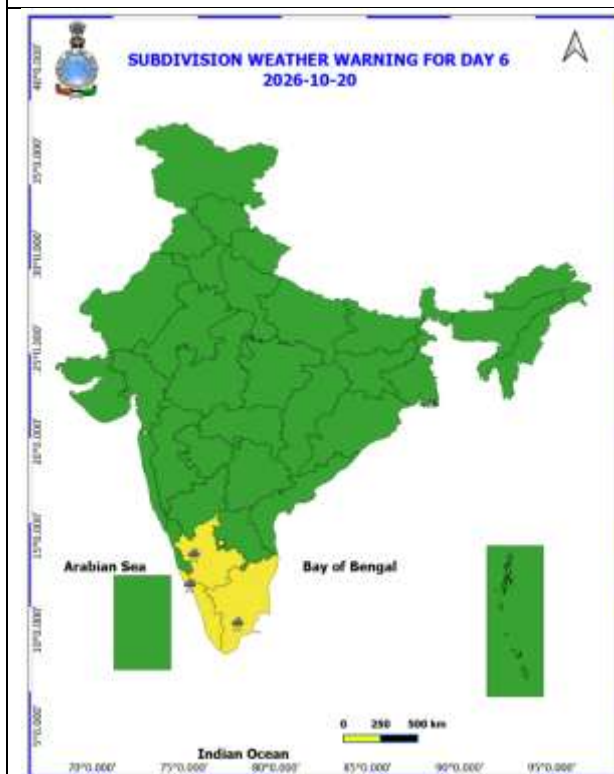
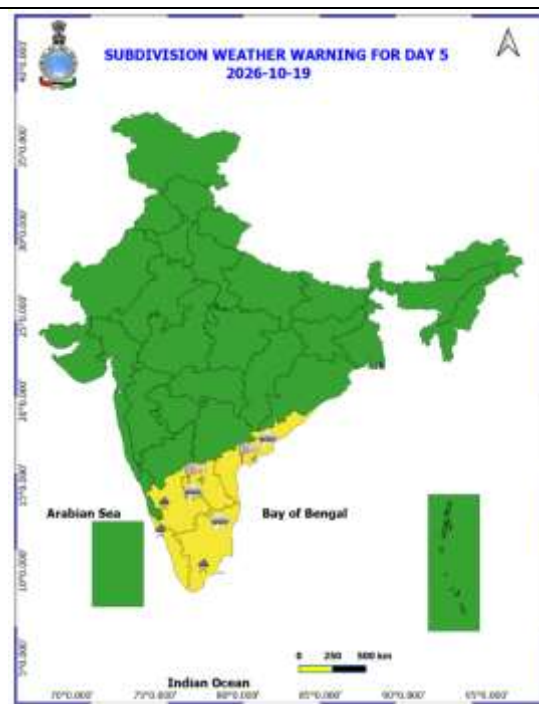
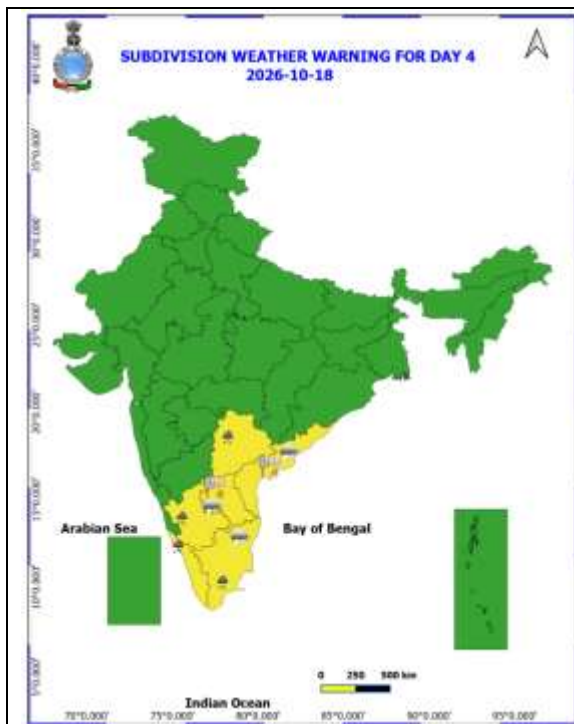


Table-1								
7 Days Rainfall Forecast								
S.No.	Subdivision	15- Oct	16- Oct	17- Oct	18- Oct	19- Oct	20- Oct	21- Oct
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	SCT	SCT	SCT	SCT	SCT	SCT	SCT
2	ARUNACHAL PRADESH	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
3	ASSAM & MEHGHALAYA	ISOL	ISOL	ISOL	ISOL	DRY	DRY	DRY
4	NAGALAND, MANIPUR, MIZORAM AND TRIPURA	ISOL	ISOL	ISOL	ISOL	DRY	DRY	DRY
5	SUB HIMALAYAN WEST BENGAL & SIKKIM	DRY	ISOL	ISOL	ISOL	ISOL	DRY	DRY
6	GANGETIC WEST BENGAL	SCT	ISOL	ISOL	DRY	DRY	DRY	DRY
7	ODISHA	SCT	SCT	ISOL	ISOL	ISOL	ISOL	ISOL
8	JHARKHAND	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
9	BIHAR	DRY	ISOL	ISOL	ISOL	DRY	DRY	DRY
10	EAST UTTAR PRADESH	DRY	ISOL	DRY	DRY	DRY	DRY	DRY
11	WEST UTTAR PRADESH	SCT	ISOL	DRY	DRY	DRY	DRY	DRY
12	UTTARAKHAND	FWS	SCT	ISOL	ISOL	DRY	DRY	DRY
13	HARYANA, CHANDIGARH & DELHI	FWS	ISOL	DRY	DRY	DRY	DRY	DRY
14	PUNJAB	FWS	ISOL	DRY	DRY	DRY	DRY	DRY
15	HIMACHAL PRADESH	FWS	ISOL	ISOL	DRY	DRY	DRY	DRY
16	JAMMU AND KASHMIR AND LADAKH	FWS	ISOL	DRY	DRY	DRY	DRY	DRY
17	WEST RAJASTHAN	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
18	EAST RAJASTHAN	ISOL	ISOL	DRY	DRY	DRY	DRY	DRY
19	WEST MADHYA PRADESH	ISOL	ISOL	ISOL	ISOL	DRY	DRY	DRY
20	EAST MADHYA PRADESH	DRY	ISOL	ISOL	ISOL	ISOL	DRY	DRY
21	GUJRAT REGION	DRY	DRY	DRY	DRY	ISOL	DRY	DRY
22	SAURASHTRA & KUTCH	DRY	DRY	DRY	DRY	ISOL	DRY	DRY
23	KONKAN & GOA	ISOL	ISOL	ISOL	ISOL	ISOL	SCT	ISOL
24	MADHYA MAHARASHTRA	ISOL	ISOL	ISOL	SCT	SCT	ISOL	ISOL
25	MARATHWADA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
26	VIDARBHA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
27	CHHATTISGARH	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
28	COASTAL ANDHRA PRADESH	SCT	SCT	SCT	FWS	FWS	FWS	SCT
29	TELANGANA	ISOL	ISOL	SCT	SCT	SCT	SCT	SCT
30	RAYALASEEMA	SCT	FWS	FWS	FWS	FWS	FWS	SCT
31	TAMILNADU & PUDUCHERRY	FWS	FWS	FWS	FWS	FWS	SCT	SCT
32	COSTAL KARNATAKA	SCT	FWS	FWS	FWS	FWS	FWS	FWS
33	NORTH INTERIOR KARNATAKA	ISOL	SCT	FWS	FWS	FWS	FWS	SCT
34	SOUTH INTERIOR KARNATAKA	FWS	FWS	FWS	FWS	FWS	FWS	FWS
35	KERALA AND MAHE	FWS	FWS	FWS	FWS	FWS	FWS	FWS
36	LAKSHADWEEP	FWS	FWS	FWS	FWS	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 15th -18th October 2026**Past Weather:**

There has been rise in maximum temperatures by 1°C and rise in minimum temperatures by 1-2°C over Delhi during the past 24 hours. The maximum temperatures were in the range of 32-33°C and the minimum temperatures are in the range 21-23°C respectively during past 24 hours over Delhi. The minimum temperatures were appreciably above normal (3.1°C to 5.0°C) at a few places and above normal (1.6°C to 3.0°C) over remaining parts of Delhi. 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) at remaining places over Delhi. Mainly clear sky with surface wind speed 18 kmph from the southeast direction prevailed over Delhi during past 24 hours. Generally cloudy sky with surface wind speeds up to 28 kmph gusting to 46 kmph from the northeast direction likely to prevail during forenoon over the region today.

Weather Forecast:

15.10.2026: Generally cloudy sky. A spell of very light to light rain at many places with moderate rain at isolated places accompanied with thunderstorm/lightning and strong winds 40-50 kmph gusting to 60 kmph most likely during forenoon to afternoon. Another spell of very light to light rain at many places accompanied with thunderstorm/lightning very likely during evening to night. The maximum temperatures over Delhi are likely to be in the range of 29-31°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 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.

16.10.2026: Generally cloudy sky. A spell of very light to light rain at many places accompanied with thunderstorm/lightning during early morning to noon. The maximum and minimum temperatures over Delhi are likely to be in the range of 29°C to 31°C and 18°C to 20°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 15 kmph during the morning hours. The surface wind speed will increase becoming up to 18 kmph from the east direction during afternoon. The surface wind speed will decrease becoming up to 15 kmph from the east direction during evening and night hours.

17.10.2026: 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 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 east 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 southeast direction during afternoon. The surface wind speed will decrease becoming up to 15 kmph from the northeast direction during evening and night hours.

18.10.2026: Mainly clear sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 31°C to 33°C and 19°C to 21°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 northwest direction with wind speed reaching up to 10 kmph during the morning hours. The surface wind speed will increase becoming up to 20 kmph from the northwest direction during afternoon. The surface wind speed will decrease becoming up to 15 kmph from northwest 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, Himachal Pradesh, Punjab, Uttarakhand and West Uttar Pradesh on 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 likely over Tamil Nadu, Puducherry & Karaikal during 17th-21st October; Kerala & Mahe during 16th-21st October; Coastal Karnataka during 16th-17th October; South Interior Karnataka on 15th October and during 17th-21st October; Coastal Andhra Pradesh & Yanam and Rayalaseema during 15th-16th October; Telangana on 18th October.**
- ❖ **Isolated very heavy rainfall also likely over Tamil Nadu, Puducherry & Karaikal during 15th-16th October; Kerala & Mahe on 15th October; South Interior Karnataka 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 **Tamil Nadu**, harvest matured crops of rice and groundnut during rain-free intervals and store the harvested produce at safer places. Drain out excess rain water from rice nurseries and standing rice fields, as well as cotton, maize, groundnut and vegetable fields. Provide propping in banana, sugarcane and adequate support for crops like papaya and moringa to prevent from lodging.
- In **Keralam**, harvest matured rice crop during clear weather and keep the produce in safe and dry places. Ensure effective drainage in rice, banana, coconut, black pepper, ginger, turmeric and vegetable fields, with priority to low-lying and waterlogged areas.
- In **South Interior Karnataka**, maintain proper drainage in standing crop fields. Harvest mature green gram, black gram and soybean wherever conditions permit and shift the produce to covered and safe places.
- In **Coastal Andhra Pradesh** and **Rayalseema**, make arrangements to drain out excess rain water from rice, maize, finger millet, groundnut, red gram, sugarcane, vegetables and fruit orchards. Keep the harvested produce of maize in a safe and dry place. Provide strong support to fruit-bearing banana plants and propping in sugarcane.

Agromet advisories for likely impact of Hailstorm

- In regions with a possibility of Hailstorm activity especially **Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Punjab, Haryana and West Uttar Pradesh**, use hail nets or caps in fruit orchards and vegetable fields to protect crops from mechanical damage.

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 or 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.

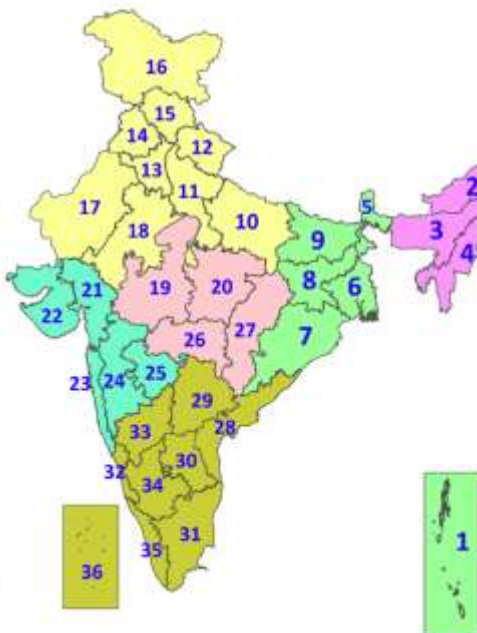
Northeast India: Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.

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

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 Storm: 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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