



Government of India
Ministry of Earth Sciences
India Meteorological Department



Press Release
Date: 30th September 2026
Time of Issue: 1220 hours IST

Subject: (i) Conditions are likely to become favourable for further withdrawal of southwest monsoon from remaining parts of Punjab, Haryana, Rajasthan, Uttar Pradesh; most parts of Gujarat, Madhya Pradesh; entire Jammu & Kashmir, Himachal Pradesh, Uttarakhand; some parts of Bihar, Jharkhand, Chhattisgarh, and Maharashtra during next 2-3 days.

(ii) Isolated heavy rainfall very likely over south Peninsular India and over Northeastern states during next 2-3 days.

Realised weather during past 24 hours ending at 0830 hours IST of today, the 30th September, 2026:

- ❖ **Very Heavy rainfall (12-20 cm)** has been recorded over Marathawada
- ❖ **Heavy rainfall (7-11 cm)** has been recorded over East Rajasthan, Tamil Nadu, South Interior Karnataka, Nagaland

Withdrawal of southwest Monsoon:

- ❖ **The line of withdrawal of Southwest Monsoon** continues to pass through 32.5°N/72.5°E, Gurdaspur, Chandigarh, Muzaffarnagar, Aligarh, Dholpur, Udaipur, Deesa, Naliya and 23.0°N/67.8°E.

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

- ❖ Yesterday's Depression over coastal Myanmar & adjoining northeast Bay of Bengal & southeast Bangladesh moved north-northwestwards and weakened into a **Well-Marked Low-Pressure Area** over North Myanmar and adjoining areas of southeast Bangladesh, Mizoram & Northeast Bay of Bengal today morning and persisted over the same region at 0830 hrs IST of today, the 30th September 2026. It is very likely to move north-northwestwards towards Mizoram, Tripura & adjoining southeast Bangladesh and weaken gradually into a Low-Pressure Area during next 12 hours.
- ❖ The **Western Disturbance** as a cyclonic circulation over north Haryana & neighbourhood in lower & middle tropospheric levels with the trough aloft in upper tropospheric westerlies with its axis at 7.6 km above mean sea level roughly along Long. 72°E to the north of Lat. 24°N.
- ❖ An **upper air cyclonic circulation** lies over northeast Assam & neighbourhood in lower tropospheric level.
- ❖ An **upper air cyclonic circulation** lies over north coastal Tamil Nadu & neighbourhood in lower tropospheric level.
- ❖ A **north-south trough** from South Interior Karnataka to Gulf of Mannar in lower tropospheric level.
- ❖ An **upper air cyclonic circulation** over Northwest & adjoining Westcentral Bay of Bengal between lower and middle tropospheric levels.
- ❖ An **upper air cyclonic circulation** lies over Eastcentral Arabian Sea between lower and middle tropospheric levels.

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 during 5th-6th October; Uttarakhand during 30th September-2nd October and during 5th-6th October.
- ❖ **Isolated to Scattered** rainfall likely over East Uttar Pradesh on 30th September.

Central India:

- ❖ **Isolated to Scattered** rainfall likely over West Madhya Pradesh on 30th September; East Madhya Pradesh during 30th September-3rd October; Vidarbha on 30th September and during 5th-6th October; Chhattisgarh during 2nd-6th October.

East India:

- ❖ **Isolated to Scattered** rainfall likely over Andaman & Nicobar Islands, Gangetic West Bengal, Odisha and Sub-Himalayan West Bengal & Sikkim during 30th September-6th October; Jharkhand during 30th September-2nd October; Bihar on 30th September and during 3rd-6th October.
- ❖ Isolated **thunderstorm, lightning & gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Bihar during 4th-6th October; Odisha during 30th September-1st October.

Northeast India:

- ❖ **Isolated to Scattered** rainfall likely over Arunachal Pradesh and Assam & Meghalaya during 30th September-6th October; Nagaland, Manipur, Mizoram & Tripura during 1st-6th October.
- ❖ **Fairly Widespread to Widespread** rainfall likely over Nagaland, Manipur, Mizoram & Tripura on 30th September.
- ❖ Isolated **thunderstorm & lightning** likely over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 30th September-1st October.
- ❖ Isolated **heavy rainfall** likely over Arunachal Pradesh during 3rd-4th October; Assam & Meghalaya on 30th September; Nagaland, Manipur, Mizoram & Tripura during 30th September-1st October.

West India:

- ❖ **Isolated to Scattered** rainfall likely over Konkan & Goa and Madhya Maharashtra during 30th September-6th October; Marathwada on 30th September; Gujarat Region and Saurashtra & Kutch during 30th September-1st October.
- ❖ Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Konkan & Goa and Madhya Maharashtra on 30th September.

South Peninsular India:

- ❖ **Isolated to Scattered** rainfall likely over Coastal Andhra Pradesh & Yanam, Lakshadweep, North Interior Karnataka, Rayalaseema and Tamil Nadu, Puducherry & Karaikal during 30th September-6th October; Kerala & Mahe on 30th September; Coastal Karnataka on 30th September and during 3rd-6th October; South Interior Karnataka during 2nd-6th October; Telangana during 2nd-3rd October.
- ❖ **Fairly Widespread to Widespread** rainfall likely over Kerala & Mahe during 1st-6th October; Coastal Karnataka during 1st-2nd October; South Interior Karnataka during 30th September-1st October.
- ❖ Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Tamil Nadu, Puducherry & Karaikal during 30th September-2nd October; Kerala & Mahe during 1st-2nd October; Rayalaseema during 30th September-4th October, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over North Interior Karnataka and South Interior Karnataka during 30th September-1st October; Coastal Andhra Pradesh & Yanam during 30th September-4th October.
- ❖ Isolated **thunderstorm & lightning** likely over Kerala & Mahe during 3rd-4th October; Coastal Karnataka during 30th September-1st October.
- ❖ Isolated **heavy rainfall** likely over Coastal Karnataka, South Interior Karnataka and Tamil Nadu, Puducherry & Karaikal during 30th September-1st October; Kerala & Mahe during 1st-2nd October and on 4th October.
- ❖ Strong Surface Winds likely over Coastal Andhra Pradesh & Yanam and Rayalaseema during 30th September-4th 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):

- ❖ **South Interior Karnataka:** Sira 10
- ❖ **Nagaland:** Mokokchung 9
- ❖ **Tamil Nadu:** Hogenakkal 8
- ❖ **East Rajasthan:** Nainwa 7

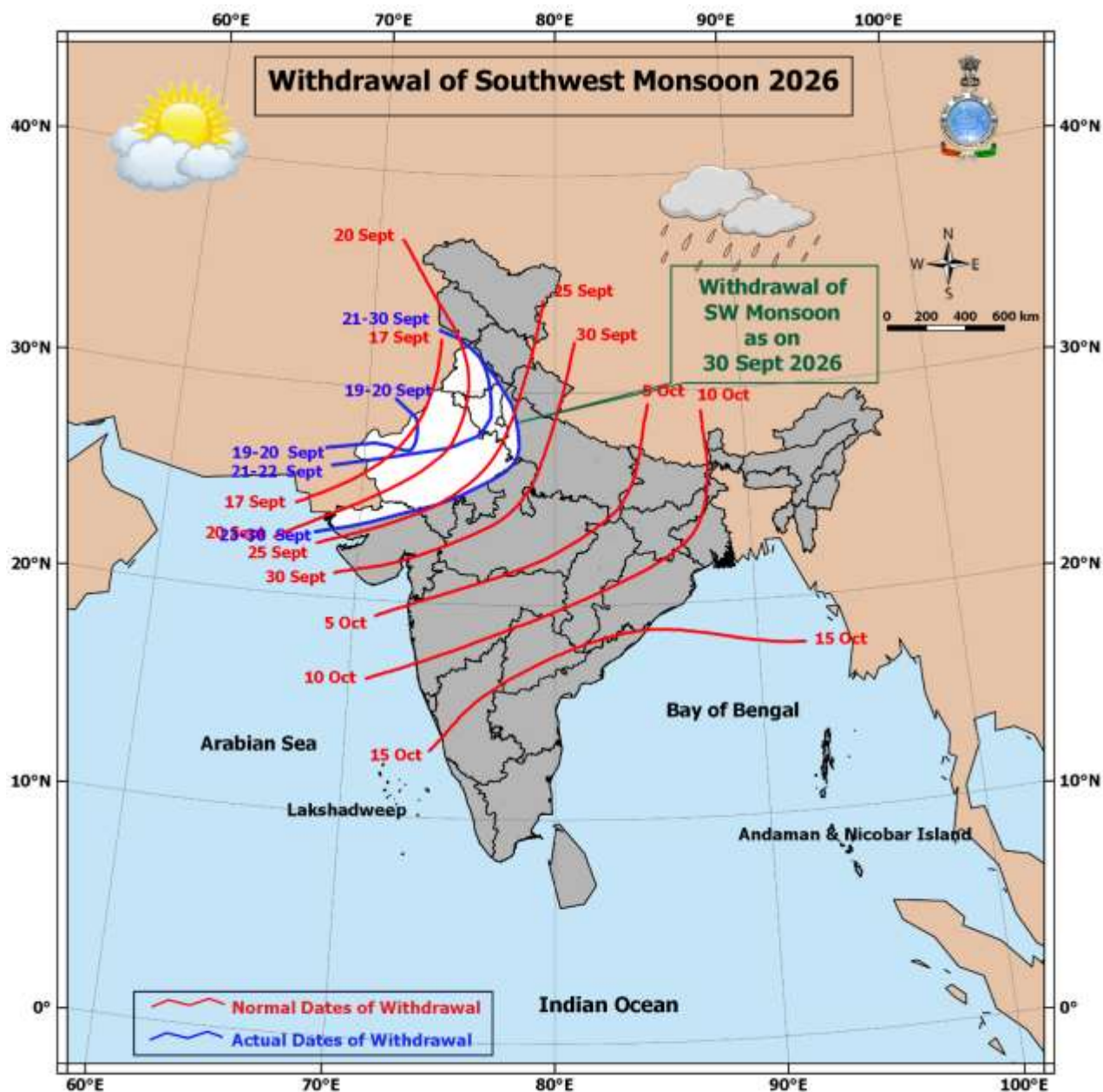
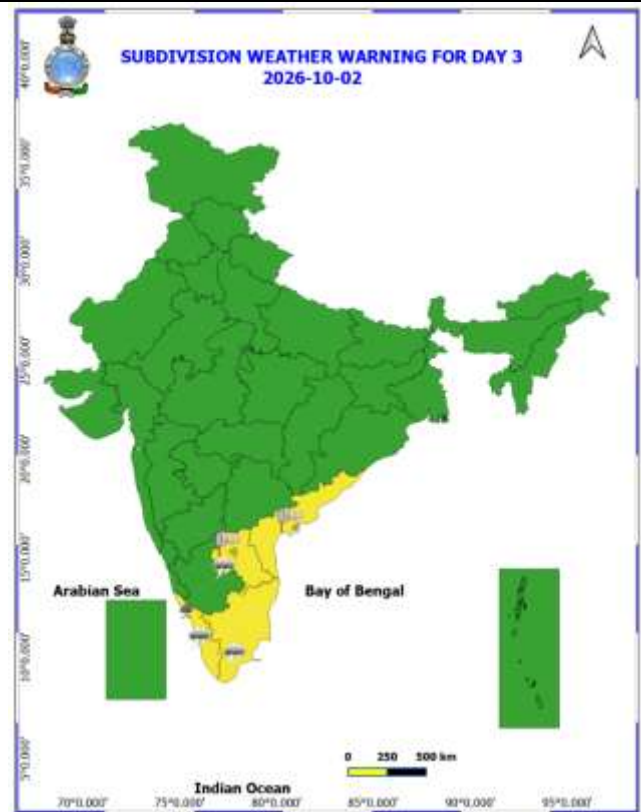
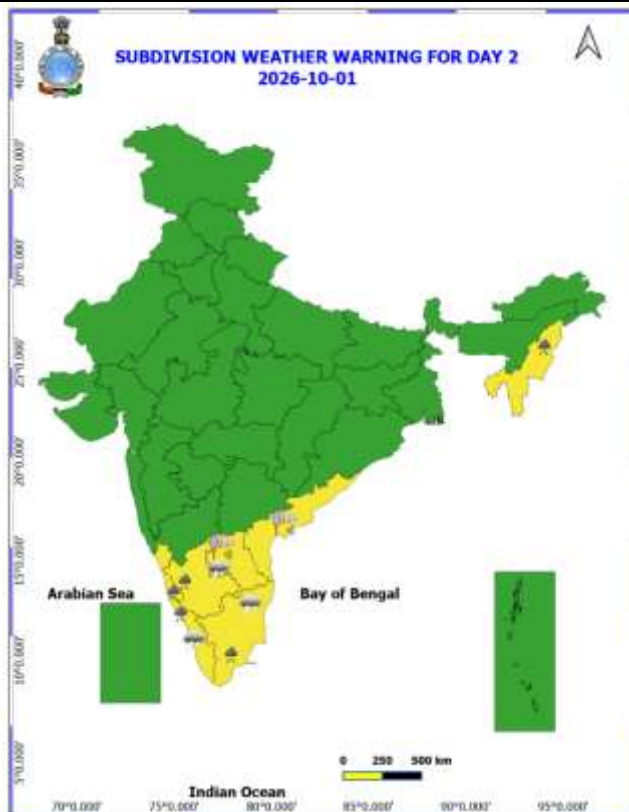
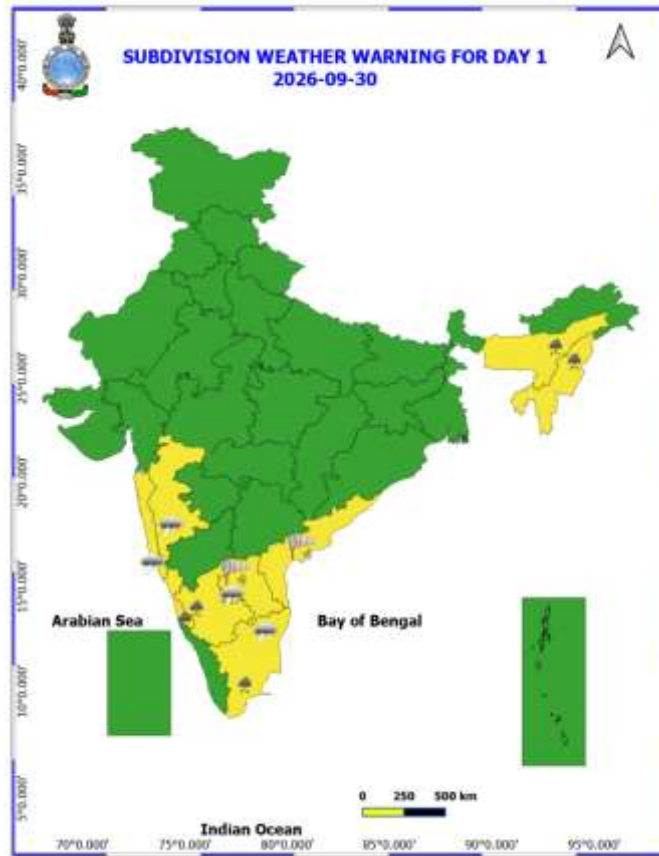
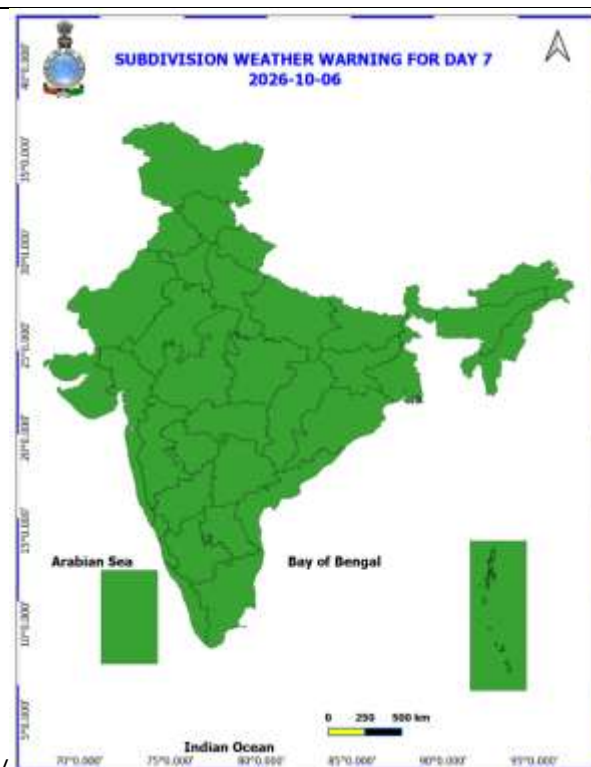
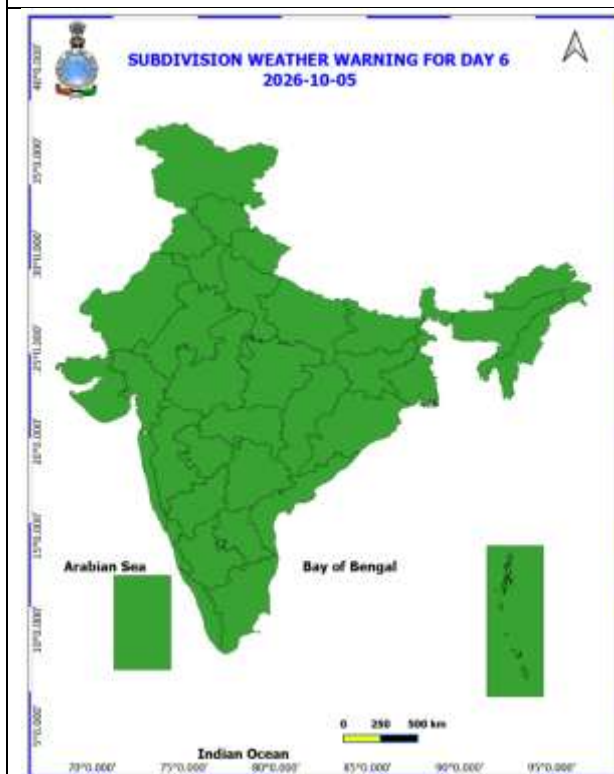
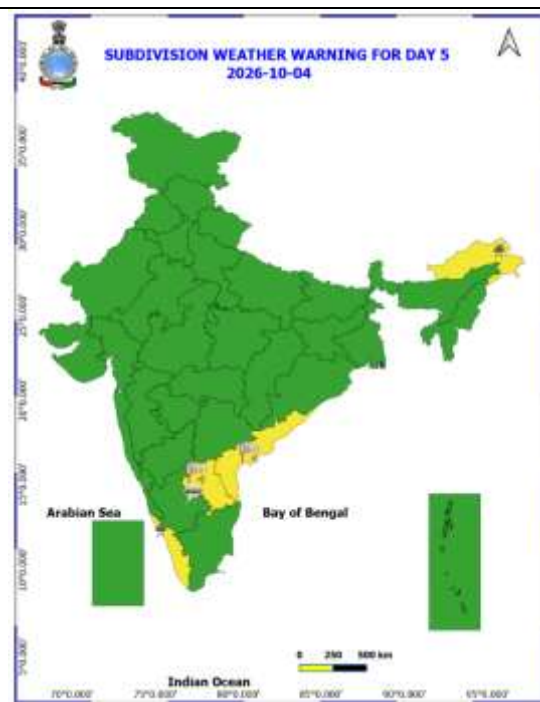
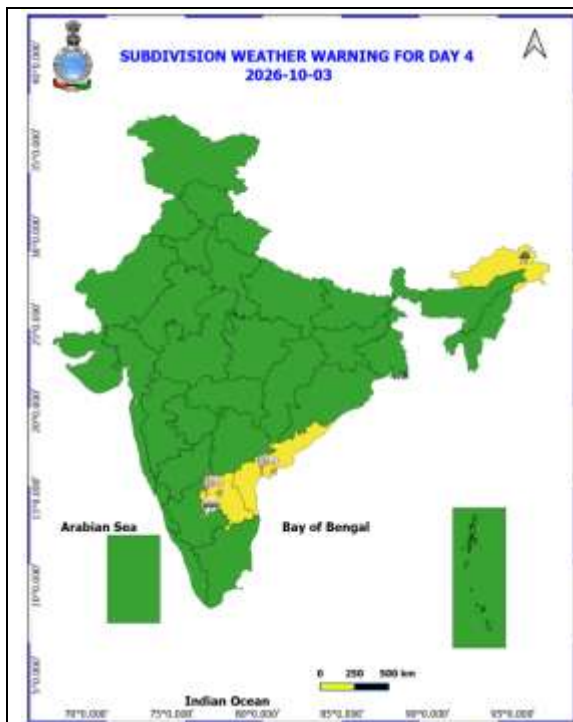


Table-1								
7 Days Rainfall Forecast								
S.No.	Subdivision	30- Sep	1- Oct	2- Oct	3- Oct	4- Oct	5- Oct	6- Oct
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
2	ARUNACHAL PRADESH	SCT	SCT	SCT	SCT	SCT	SCT	SCT
3	ASSAM & MEHGHALAYA	SCT	SCT	ISOL	ISOL	SCT	SCT	SCT
4	NAGALAND, MANIPUR, MIZORAM AND TRIPURA	FWS	SCT	ISOL	ISOL	ISOL	SCT	SCT
5	SUB HIMALAYAN WEST BENGAL & SIKKIM	ISOL	ISOL	ISOL	SCT	ISOL	ISOL	ISOL
6	GANGETIC WEST BENGAL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
7	ODISHA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
8	JHARKHAND	ISOL	ISOL	ISOL	DRY	DRY	DRY	DRY
9	BIHAR	ISOL	DRY	DRY	ISOL	ISOL	ISOL	ISOL
10	EAST UTTAR PRADESH	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
11	WEST UTTAR PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
12	UTTARAKHAND	ISOL	ISOL	ISOL	DRY	DRY	ISOL	ISOL
13	HARYANA, CHANDIGARH & DELHI	DRY	DRY	DRY	DRY	DRY	DRY	DRY
14	PUNJAB	DRY	DRY	DRY	DRY	DRY	DRY	DRY
15	HIMACHAL PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
16	JAMMU AND KASHMIR AND LADAKH	DRY	DRY	DRY	DRY	DRY	SCT	SCT
17	WEST RAJASTHAN	DRY	DRY	DRY	DRY	DRY	DRY	DRY
18	EAST RAJASTHAN	DRY	DRY	DRY	DRY	DRY	DRY	DRY
19	WEST MADHYA PRADESH	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
20	EAST MADHYA PRADESH	ISOL	ISOL	ISOL	ISOL	DRY	DRY	DRY
21	GUJRAT REGION	ISOL	ISOL	DRY	DRY	DRY	DRY	DRY
22	SAURASHTRA & KUTCH	ISOL	ISOL	DRY	DRY	DRY	DRY	DRY
23	KONKAN & GOA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
24	MADHYA MAHARASHTRA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
25	MARATHWADA	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
26	VIDARBHA	ISOL	DRY	DRY	DRY	DRY	ISOL	ISOL
27	CHHATTISGARH	DRY	DRY	ISOL	ISOL	ISOL	ISOL	ISOL
28	COASTAL ANDHRA PRADESH	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
29	TELANGANA	DRY	DRY	ISOL	ISOL	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	FWS	FWS	SCT	SCT	SCT	SCT
33	NORTH INTERIOR KARNATAKA	SCT	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
34	SOUTH INTERIOR KARNATAKA	FWS	FWS	SCT	SCT	SCT	SCT	SCT
35	KERALA AND MAHE	SCT	FWS	FWS	FWS	FWS	FWS	FWS
36	LAKSHADWEEP	SCT	SCT	SCT	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 30th September-03rd October 2026**Past Weather:**

There has been rise in maximum temperatures by 3-4°C and rise in minimum temperatures by 1-2°C over Delhi during the past 24 hours. The maximum temperatures were around 30-32°C and the minimum temperatures are in the range 19-22°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 isolated places and normal (-1.5°C to 1.5°C) over remaining parts of Delhi. The maximum temperatures were normal (-1.5°C to 1.5°C) at isolated places, appreciably below normal (-3.1°C to -5.0°C) at a few places and below normal (-1.6°C to -3.0°C) over remaining parts of Delhi. Generally cloudy sky with surface wind speed 22 kmph from the northwest direction prevailed over Delhi during past 24 hours. Mainly clear sky with surface wind speeds up to 20 kmph from the west direction likely to prevail during forenoon over the region today.

Weather Forecast:

30.09.2026: Mainly clear sky. The maximum temperatures over Delhi are likely to be in the range of 32-34°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 northwest direction with surface wind speed reaching up to 20 kmph during the afternoon. The surface wind speed will decrease becoming up to 15 kmph from the west direction during evening and night hours.

01.10.2026: Mainly clear 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 below 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 15 kmph during the morning hours. The surface wind speed will increase becoming up to 22 kmph from the northwest direction during afternoon. The surface wind speed will decrease becoming up to 15 kmph from the west direction during evening and night hours.

02.10.2026: Mainly clear sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 33°C to 35°C and 20°C to 22°C, respectively. The minimum temperature will be below 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 15 kmph during the morning hours. The surface wind speed will increase becoming up to 22 kmph from the northwest direction during afternoon. The surface wind speed will decrease becoming up to 12 kmph from the northwest direction during evening and night hours.

03.10.2026: Mainly clear 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 near normal (-1.5°C to 1.5°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 12 kmph during the morning hours. The surface wind speed will increase becoming up to 22 kmph from the northwest direction during afternoon. The surface wind speed will decrease becoming up to 15 kmph from the northwest direction during evening and night hours.

Impact Expected and Action Suggested due to very heavy rainfall:

- ❖ Isolated heavy rainfall likely over Arunachal Pradesh during 3rd-4th October; Assam & Meghalaya on 30th September; Nagaland, Manipur, Mizoram & Tripura, Coastal Karnataka, South Interior Karnataka and Tamil Nadu, Puducherry & Karaikal during 30th September-1st October; Kerala & Mahe during 1st-2nd October and on 4th 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 kutch 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**, protect mature pineapple and other horticultural produce from rain damage and harvest during dry intervals. Keep vegetable fields well drained, avoid field operations when soil is excessively wet, and protect nursery beds and newly planted crops from waterlogging.
- In **Coastal Karnataka** and **South Interior Karnataka**, maintain drainage in standing crop fields and postpone irrigation, intercultural operations, fertilizer and plant protection. Harvest mature green gram, black gram and soybean during dry intervals and shift harvested produce to safe, covered storage.
- In **Uttarakhand**, maintain proper drainage in rice, maize, finger millet, sugarcane, pigeon pea, green gram, black gram, soybean, vegetables and keep drainage channels clear. Avoid irrigation during rainfall is adequate and provide support to tall crops and vegetables to prevent lodging.
- In **East Rajasthan**, harvest the matured pearl millet, early-sown green gram, pods of moth bean & cowpea during dry intervals and store the harvested produce in a safe and dry place. Maintain drainage in standing crop fields and provide support to tall crops and vegetables.
- In **Assam** and **Meghalaya**, drain excess water from *Sali* rice, maize, ginger and vegetable fields and keep drainage channels clear. Harvest mature jute, banana and bottle gourd during dry intervals and shift produce to safe, dry places. Maintain field bunds and protect vegetable nurseries from excess rain.
- In **Nagaland, Manipur, Mizoram** and **Tripura**, ensure adequate drainage in standing crop fields and postpone irrigation, intercultural operations, fertilizer and plant protection applications while fields remain wet. Harvest mature Jhum rice, maize, soybean, groundnut and black gram during suitable dry intervals and shift the produce to safe storage.
- In **Keralam**, make necessary arrangements for drainage in banana, coconut, paddy, spice and vegetable fields and prevent water stagnation in field. Postpone irrigation and field operations during rainfall.

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.

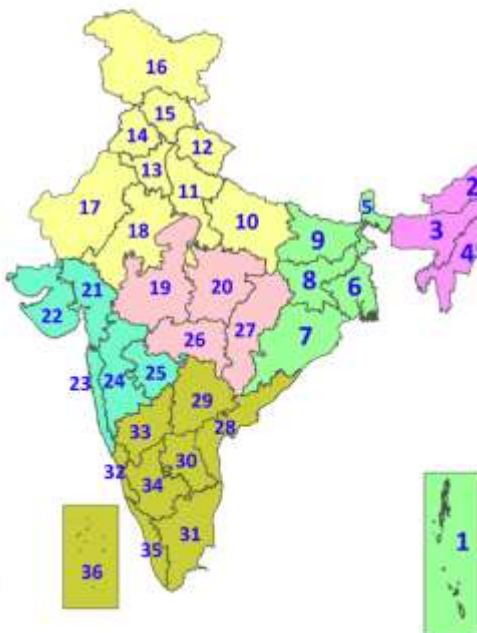
Northeast India: Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.

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

* Red colour warning does not mean "Red Alert". Red colour warning means "Take Action".

Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day.

For more details, kindly visit <https://mausam.imd.gov.in> or contact: 011-2434-4599

(Service to the Nation since 1875)

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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