



Government of India
Ministry of Earth Sciences
India Meteorological Department



Press Release

Date: 08th September 2026

Time of Issue: 1325 hours IST

Subject: Isolated heavy rainfall likely over East India during next 3-4 days; Chhattisgarh, Coastal Andhra Pradesh & Yanam and Telangana during 11th-14th September; Madhya Pradesh on 13th & 14th September with isolated heavy to very heavy rainfall likely over Odisha on 10th September, 2026.

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

- ❖ **Very Heavy rainfall (12-20 cm)** has been recorded over Andaman & Nicobar Islands and Assam.
- ❖ **Heavy rainfall (7-11 cm)** has been recorded over East Uttar Pradesh, West Madhya Pradesh, West Bengal, Odisha and Mizoram.

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

- ❖ The western end of **monsoon trough** is north and its eastern end is near its normal position at mean sea level.
- ❖ A cyclonic circulation lies over East Uttar Pradesh & adjoining Bihar in lower tropospheric levels.
- ❖ A **trough** runs from south Gujarat to cyclonic circulation over East Uttar Pradesh & adjoining Bihar in lower tropospheric level.
- ❖ A **trough** runs from south Telangana to Gulf of Mannar in lower tropospheric level.
- ❖ An **upper air cyclonic circulation** lies over north Haryana & neighbourhood in lower tropospheric level.
- ❖ A **Low Pressure Area** is likely to form over westcentral-Northwest Bay of Bengal & adjoining north Andhra Pradesh- south Odisha coasts around 11th September.

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

Northwest India:

- ❖ **Fairly Widespread to Widespread rainfall accompanied with thunderstorm & lightning** likely over Himachal Pradesh during 13th-14th September; Uttarakhand during 10th-14th September.
- ❖ **Isolated to Scattered rainfall accompanied with thunderstorm & lightning** likely over rest parts of northwest India.
- ❖ **Isolated heavy rainfall** likely over Uttarakhand during 10th-14th September.

Central India:

- ❖ **Fairly Widespread to Widespread rainfall accompanied with thunderstorm & lightning** likely over West Madhya Pradesh during 12th-14th September; Chhattisgarh and East Madhya Pradesh during 10th-14th September.
- ❖ **Isolated to Scattered rainfall accompanied with thunderstorm & lightning** likely over West Madhya Pradesh during 8th-11th September; Chhattisgarh and East Madhya Pradesh during 8th-9th September; Vidarbha during 8th-14th September.
- ❖ **Isolated heavy rainfall** likely over East Madhya Pradesh and West Madhya Pradesh during 12th-13th September; Vidarbha on 12th September; Chhattisgarh during 10th-14th September.

East India:

- ❖ **Fairly Widespread to Widespread rainfall accompanied with thunderstorm & lightning** likely over Andaman & Nicobar Islands and Sub-Himalayan West Bengal & Sikkim during 8th-14th September; Gangetic West Bengal during 8th-10th September; Jharkhand during 8th-11th September; Bihar on 9th September and on 14th September; Odisha during 10th-12th September.
- ❖ **Isolated to Scattered rainfall accompanied with thunderstorm & lightning** likely over Gangetic West Bengal during 11th-14th September; Jharkhand during 12th-14th September; Bihar on 8th September and during 10th-13th September; Odisha during 8th-9th September and during 13th-14th September.
- ❖ **Isolated heavy rainfall** likely over Andaman & Nicobar Islands on 8th September and during 12th-14th September; Sub-Himalayan West Bengal & Sikkim on 8th September and during 11th-13th September; Gangetic West Bengal during 8th-9th September; Jharkhand during 9th-11th September; Bihar during 8th-10th

September; Odisha on 9th September and during 11th-12th September with isolated **very heavy rainfall** also likely over Odisha on 10th September.

- ❖ Moderate to severe lightning activity likely over Odisha and Gangetic West Bengal on 08th September.

Northeast India:

- ❖ **Fairly Widespread to Widespread** rainfall likely over Arunachal Pradesh and Assam & Meghalaya during 10th-14th September; Nagaland, Manipur, Mizoram & Tripura during 8th-12th September.
- ❖ **Isolated to Scattered** rainfall likely over Arunachal Pradesh and Assam & Meghalaya during 8th-9th September; Nagaland, Manipur, Mizoram & Tripura during 13th-14th September.
- ❖ Isolated **thunderstorm & lightning** likely over Arunachal Pradesh during 8th-12th September; Assam & Meghalaya during 8th-11th September; Nagaland, Manipur, Mizoram & Tripura during 8th-10th September.
- ❖ Isolated **heavy rainfall** likely over Arunachal Pradesh during 8th-9th September, on 11th September and during 13th-14th September; Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 8th-12th September with isolated **very heavy rainfall** also likely over Arunachal Pradesh on 12th September.

West India:

- ❖ **Fairly Widespread to Widespread** rainfall likely over Konkan & Goa during 8th-14th September; Madhya Maharashtra during 13th-14th September; Marathawada on 12th September.
- ❖ **Isolated to Scattered** rainfall likely over Madhya Maharashtra during 8th-12th September; Marathawada during 8th-11th September and during 13th-14th September; Gujarat Region and Saurashtra & Kutch during 8th-14th September.
- ❖ Isolated **thunderstorm & lightning** likely over Konkan & Goa and Madhya Maharashtra during 12th-14th September; Marathawada during 11th-12th September; Gujarat Region during 12th-13th September.
- ❖ Isolated **heavy rainfall** likely over Gujarat Region and Konkan & Goa during 12th-13th September; Madhya Maharashtra on 13th September.

South Peninsular India:

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

Hot & Humid weather warning:

- ❖ **Hot and humid** weather conditions likely to prevail over Kerala & Mahe during 8th-9th September; Coastal Andhra Pradesh & Yanam during 8th-10th September.

Fishermen Warning:

- ❖ **Arabian Sea:** Along and off few parts of Somalia coasts adjoining few parts of southwest Arabian Sea till 13th September; few parts of Oman coast adjoining few parts of westcentral & northwest Arabian Sea till 11th September.
- ❖ **Bay of Bengal:** Over Andaman Sea during 10th -13th September.

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

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>

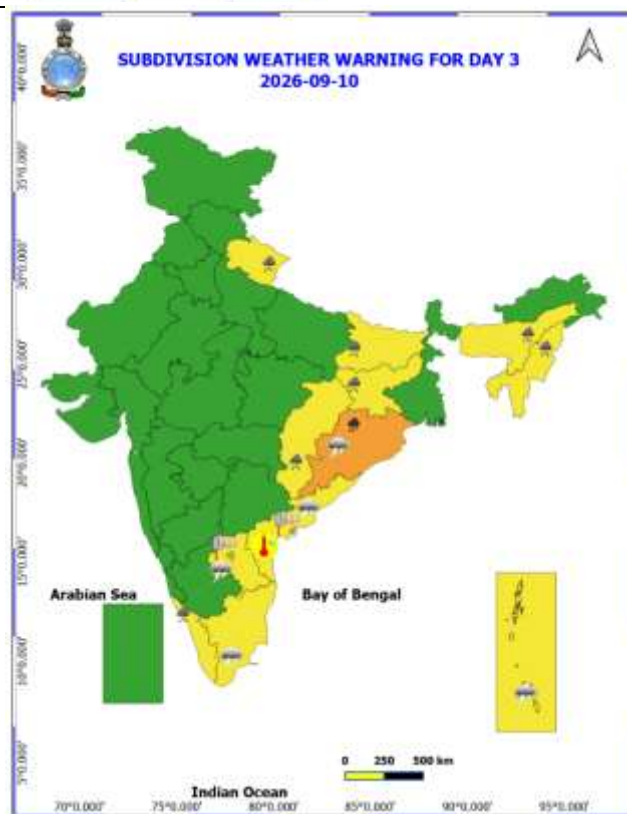
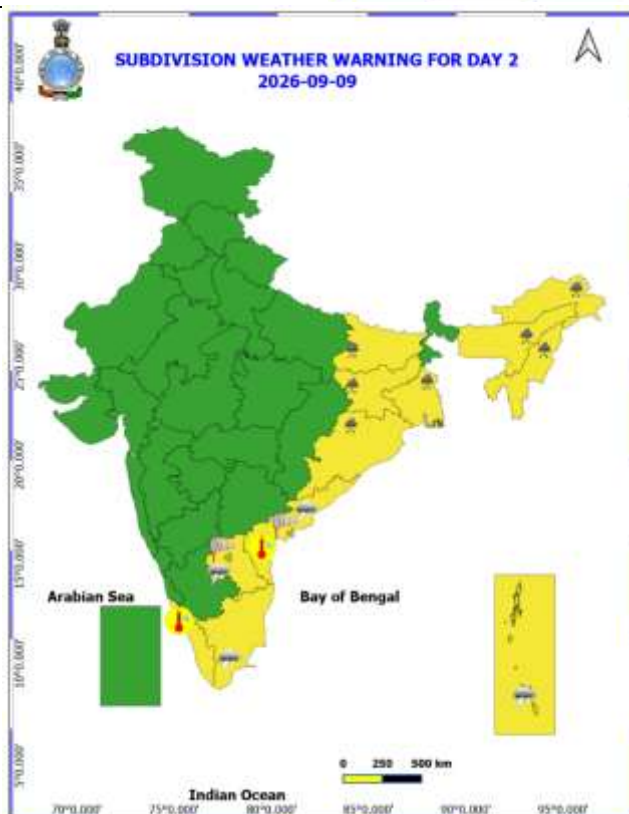
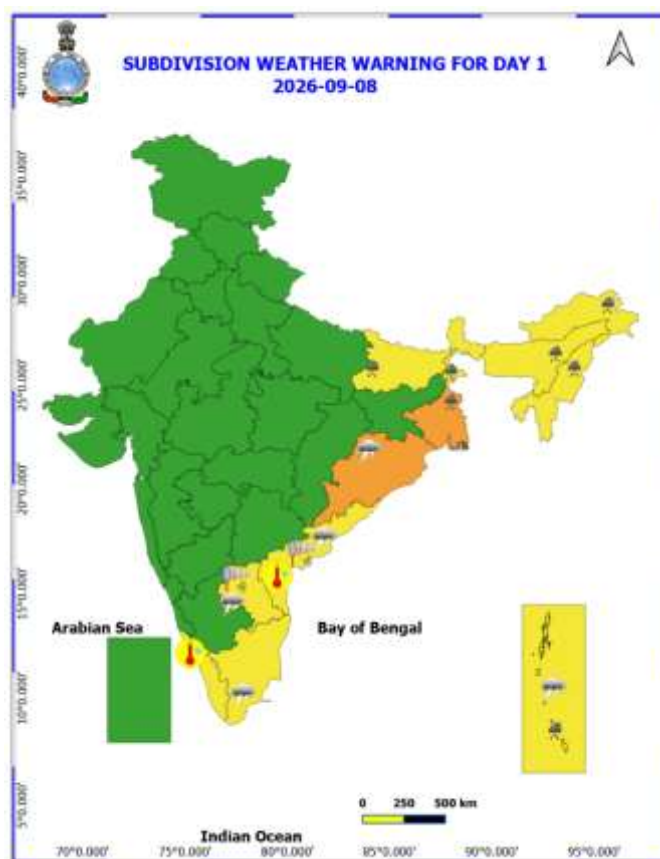
Highest rainfall recorded (> 7 cm) (from 0830 hours IST of yesterday to 0830 hours IST of today over different Meteorological Subdivision):

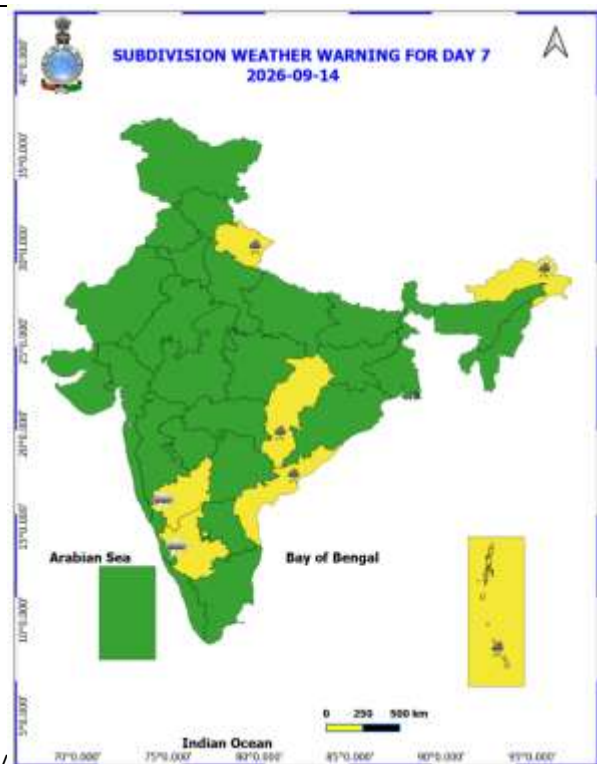
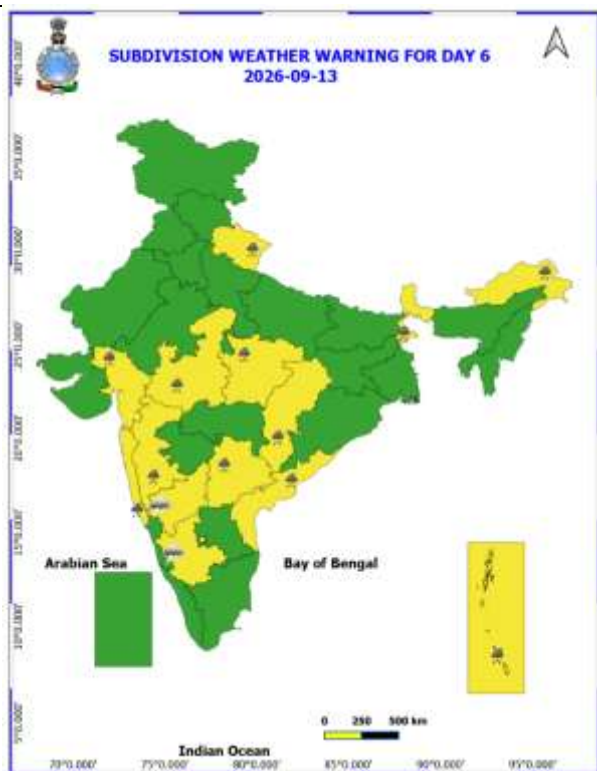
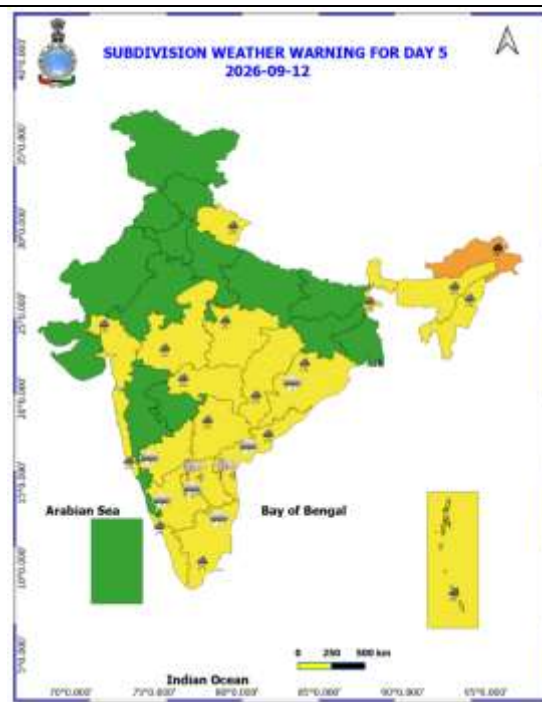
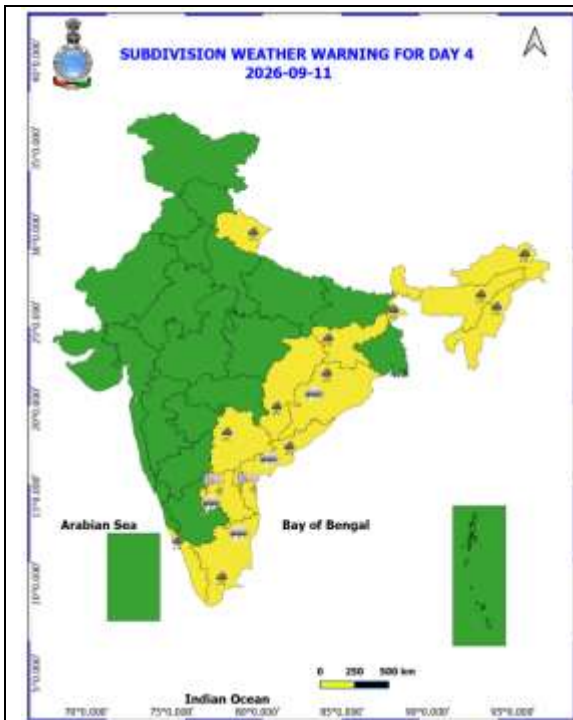
- ❖ **Andaman & Nicobar Islands:** Long Island 12
- ❖ **Assam:** Amraghat 12
- ❖ **Gangetic West Bengal:** Haldia 10
- ❖ **East Uttar Pradesh:** Muhammadi (Kheri) 9
- ❖ **Mizoram:** Kolasib 9
- ❖ **Odisha:** Nawarangpur 8
- ❖ **Sub-Himalayan West Bengal:** Kurti 7
- ❖ **West Madhya Pradesh:** Niwali (Badwani) 7.

Annexure I

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

As the lead period increases forecast accuracy decrease.





Action may be taken based on ORANGE AND REDCOLOUR warnings.
Vulnerable regions likely urban and hilly areas action may be initiated for heavy rainfall warning.
As the lead period increases forecast accuracy decreases.

Detailed district-wise Multi-Hazard weather warning for next five days available at
<https://mausam.imd.gov.in/responsive/districtWiseWarningGIS.php>

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

There has been rise in maximum temperatures by 5- 6°C and rise in minimum temperatures by 1°C over Delhi during the past 24 hours. The maximum temperatures were found around 32-34°C and the minimum temperatures are in the range 21-25°C respectively during past 24 hours over Delhi. The minimum temperatures were appreciably below normal (-3.1°C to -5.0°C) at isolated places, below normal (-1.6 to -3.0°C) at isolated places and normal (-1.5°C to 1.5°C) remaining parts of Delhi. The maximum temperatures are 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. Partly cloudy sky with surface wind speed 15 kmph from the northwest direction prevailed over Delhi during past 24 hours. Partly cloudy sky with surface wind speeds up to 22 kmph from the west direction likely to prevail during forenoon over the region today.

Weather Forecast:

08.09.2026: Partly cloudy sky. Possibility of very light rain accompanied with thunderstorm/lightning during afternoon to evening. The maximum temperatures over Delhi are likely to be in the range of 33-35°C. The maximum temperatures will be near normal (-1.5°C to 1.5°C) at most places over Delhi. The predominant surface wind is likely to be from the northwest direction with surface wind speed reaching up to 22 kmph during the afternoon. The surface wind speed will decrease becoming up to 20 kmph from the west direction during evening and night hours.

09.09.2026: Partly cloudy sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 34°C to 36°C and 25°C to 27°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 many places with above normal (1.6°C to 3.0°C) at isolated places over Delhi. The predominant surface wind is likely to be from the northwest direction with wind speed reaching up to 25 kmph during the morning. The surface wind speed will decrease becoming up to 22 kmph from the west direction during afternoon. The surface wind speed will decrease becoming up to 20 kmph from the northwest direction during evening and night hours.

10.09.2026: Partly cloudy sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 34°C to 36°C and 25°C to 27°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 many places with above normal (1.6°C to 3.0°C) at isolated places over Delhi. The predominant surface wind is likely to be from northwest direction with surface wind speed reaching up to 20 kmph from during morning hours. The wind speed will decrease becoming up to 15 kmph from west direction during afternoon. The surface wind speed will increase becoming up to 20 kmph from the northwest direction during evening and night hours.

11.09.2026: Generally cloudy sky. A spell of very light to light rain accompanied with thunderstorm and lightning at many places during forenoon to afternoon. Another spell of very light to light rain at many places towards night. The maximum and minimum temperatures over Delhi are likely to be in the range of 31°C to 33°C and 24°C to 26°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 northwest direction with wind speed reaching up to 20 kmph during the morning hours. The surface wind speed will decrease becoming up to 12 kmph from the southwest direction during afternoon. The surface wind speed will increase becoming up to 15 kmph from the southeast direction during evening and night hours.

Impact Expected and Action Suggested due to very heavy rainfall:

- ❖ Isolated heavy to very heavy rainfall likely over Odisha on 10th and Arunachal Pradesh on 12th September.
- ❖ Moderate to severe lightning activity likely over Gangetic West Bengal and Odisha on 08th September.

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 **Odisha**, ensure proper drainage in rice, maize, pulses, cotton, pigeon pea, vegetables and nursery beds and keep field drains, outlets and bunds clear and functional. Drain out excess rainwater from the low lying fields.
- In **Bihar**, maintain proper drainage in rice, maize, sesame, pigeon pea and other standing crop fields and avoid prolonged water stagnation. Postpone field operations, fertilizer and plant-protection applications in excessively wet fields until suitable conditions prevail.
- In **Sub-Himalayan West Bengal**, keep drainage channels clear in rice, vegetable fields, orchards and nursery beds to prevent waterlogging. Protect vegetable seedlings from heavy rain, improve drainage around cucurbits.
- In **Gangetic West Bengal**, maintain proper drainage in transplanted *Aman* rice fields and vegetable nurseries and keep drainage channels clear. Harvest mature jute wherever conditions permit and maintain drainage before sowing mung and kalai, which are highly susceptible to waterlogging.
- In **Jharkhand**, make necessary arrangements for drainage in standing crop fields and to remove excess rainwater from low-lying fields. Protect vegetable seedlings from heavy rainfall and keep harvested produce in safe and dry places.
- In **Assam and Meghalaya**, ensure effective drainage in rice, sugarcane, soybean, pigeon pea, jute, sesame and vegetable fields and keep drainage channels clear. Harvest jute at the small-pod stage wherever field conditions permit.
- In **Nagaland, Manipur, Mizoram and Tripura**, maintain proper drainage in rice, soybean, black gram, ginger, turmeric, cole crops and vegetable fields to prevent water stagnation. Harvest mature maize, colocasia and ginger wherever field conditions permit and avoid field operations during excessively wet conditions. Keep harvested produce in safe and dry places.
- In **Arunachal Pradesh**, maintain proper drainage in soybean, rice, maize, finger millet, chilli and other standing crops to prevent waterlogging. Harvest mature soybean and banana wherever field conditions permit and store the produce safely. Maintain good aeration in rice and remove decaying plant parts from soybean.

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.

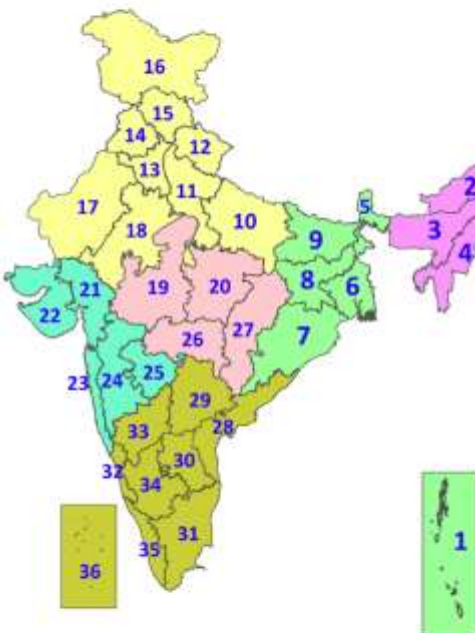
Northeast India: Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.

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.

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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 118-165 kmph (64 - 89 knots)
Extremely Severe Cyclonic Storm: Wind speed 166-220 kmph (90 -119 knots)
Super Cyclone Storm: Wind speed > 220 kmph (> 119 knots)

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