



Government of India
Ministry of Earth Sciences
India Meteorological Department



Press Release

Date: 04th September 2026

Time of Issue: 1330 hours IST

Subject: (i) Under the influence of Well Marked Low-Pressure Area over central parts of northern Madhya Pradesh & adjoining south Uttar Pradesh, isolated heavy to very heavy rainfall very likely over East Rajasthan, West Madhya Pradesh on 04th & 05th September and East Madhya Pradesh on 04th September, 2026.

(ii) Subdued rainfall activity likely to continue over Peninsular India during next 6-7 days.

Realised weather during past 24 hours ending at 0830 hours IST of today, the 04th September, 2026:

- ❖ **Very Heavy rainfall (12-20 cm)** has been recorded over East Madhya Pradesh.
- ❖ **Heavy rainfall (7-11 cm)** has been recorded over Himachal Pradesh, Uttarakhand, West Uttar Pradesh, West Madhya Pradesh, Arunachal Pradesh, Meghalaya, Nagaland and Sub-Himalayan West Bengal.

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

- ❖ The western end of the **monsoon trough** at mean sea level lies near its normal position and eastern end to the north of normal position.
- ❖ Yesterday's **Well Marked low pressure area** over northeast Madhya Pradesh & neighbourhood lay over central parts of northern Madhya Pradesh & adjoining south Uttar Pradesh at 0830 IST of today, the 04th September 2026. It is likely to be quasi-stationary during next 2 days.
- ❖ A **trough** runs from Northeast Rajasthan to Manipur in lower tropospheric levels.
- ❖ A **trough** runs from south Gujarat to Jharkhand in lower & middle tropospheric levels.
- ❖ A **trough** runs from South Interior Karnataka to Gulf of Munnar in lower tropospheric level.
- ❖ A fresh **Western Disturbance** lies as a trough in middle & upper tropospheric level roughly along Long. 64°E to the north of Lat. 32°N.

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

Northwest India:

- ❖ **Fairly Widespread to Widespread** rainfall accompanied with thunderstorm & lightning likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 4th September; Himachal Pradesh during 4th-5th September; Uttarakhand during 4th-10th September.
- ❖ **Fairly Widespread to Widespread** rainfall accompanied with thunderstorm & lightning likely over East Rajasthan and Haryana Chandigarh & Delhi during 4th-5th September; West Uttar Pradesh during 4th-6th September; East Uttar Pradesh during 6th-8th September.
- ❖ **Isolated to Scattered** rainfall accompanied with thunderstorm & lightning likely over rest parts of northwest India.
- ❖ Isolated **heavy rainfall** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 4th September; Himachal Pradesh during 4th-5th September; Uttarakhand during 4th-10th September; Haryana Chandigarh & Delhi, Punjab and West Uttar Pradesh during 4th-6th September; East Uttar Pradesh during 6th-8th September with isolated **very heavy rainfall** also likely over East Rajasthan during 4th-5th September.

Central India:

- ❖ **Fairly Widespread to Widespread** rainfall accompanied with thunderstorm & lightning likely over West Madhya Pradesh during 4th-6th September; East Madhya Pradesh during 4th-8th September; Chhattisgarh on 4th September and during 8th-10th September.
- ❖ **Isolated to Scattered** rainfall accompanied with thunderstorm & lightning likely over West Madhya Pradesh during 7th-10th September; East Madhya Pradesh during 9th-10th September; Vidarbha during 4th-10th September; Chhattisgarh during 5th-7th September.
- ❖ Isolated **heavy rainfall** likely over West Madhya Pradesh on 6th September; East Madhya Pradesh during 5th-8th September with isolated **very heavy rainfall** also likely over West Madhya Pradesh during 4th-5th September; East Madhya Pradesh on 4th September.

East India:

- ❖ **Fairly Widespread to Widespread** rainfall accompanied with thunderstorm & lightning likely over Andaman & Nicobar Islands and Sub-Himalayan West Bengal & Sikkim during 4th-10th September; Gangetic West Bengal during 4th-5th September and during 7th-10th September; Jharkhand during 8th-10th September; Bihar during 5th-6th September and on 10th September; Odisha on 10th September.
- ❖ **Isolated to Scattered** rainfall accompanied with thunderstorm & lightning likely over Gangetic West Bengal on 6th September; Jharkhand during 4th-7th September; Bihar on 4th September and during 7th-9th September; Odisha during 4th-9th September.
- ❖ Isolated **heavy rainfall** likely over Sub-Himalayan West Bengal & Sikkim during 4th-8th September; Gangetic West Bengal on 4th September and during 8th-9th September; Jharkhand on 9th September; Bihar during 5th-8th September; Odisha during 9th-10th September.

Northeast India:

- ❖ **Fairly Widespread to Widespread** rainfall accompanied with thunderstorm & lightning likely over Arunachal Pradesh during 4th-8th September; Assam & Meghalaya during 4th-8th September and on 10th September; Nagaland, Manipur, Mizoram & Tripura during 4th-10th September.
- ❖ **Isolated to Scattered** rainfall accompanied with thunderstorm & lightning likely over Arunachal Pradesh during 9th-10th September; Assam & Meghalaya on 9th September.
- ❖ Isolated **heavy rainfall** likely over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 4th-10th September.

West India:

- ❖ **Fairly Widespread to Widespread** likely over Konkan & Goa during 4th-10th September.
- ❖ **Isolated to Scattered** rainfall likely over Gujarat Region, Madhya Maharashtra, Marathwada and Saurashtra & Kutch during 4th-10th September.
- ❖ Isolated **thunderstorm & lightning** likely over Madhya Maharashtra and Marathwada on 4th September.

South Peninsular India:

- ❖ **Isolated to Scattered** rainfall accompanied with thunderstorm & lightning likely over Coastal Andhra Pradesh & Yanam, Kerala & Mahe, North Interior Karnataka, Rayalaseema, South Interior Karnataka, Tamil Nadu, Puducherry & Karaikal and Telangana during 4th-10th September; Lakshadweep during 4th-8th September.
- ❖ **Fairly Widespread to Widespread** rainfall accompanied with thunderstorm & lightning likely over Lakshadweep during 9th-10th September; Coastal Karnataka during 4th-10th 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 4th-5th September, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over North Interior Karnataka and South Interior Karnataka during 4th-6th September; Coastal Andhra Pradesh & Yanam and Rayalaseema during 6th-8th September.
- ❖ Strong Surface Winds likely over North Interior Karnataka and South Interior Karnataka during 4th-6th September; Coastal Andhra Pradesh & Yanam and Rayalaseema during 4th-8th September.

Fishermen Warning:

- ❖ **Arabian Sea:** Along and off Somalia coast, over few parts of westcentral & southwest Arabian Sea till 09th September, along and off few parts of Oman coasts adjoining northwest during 06th to 09th 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>

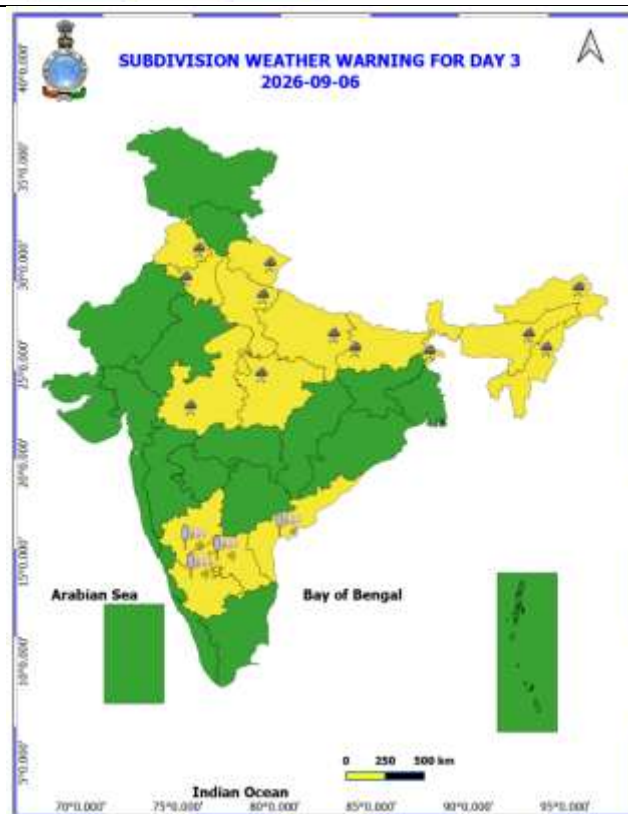
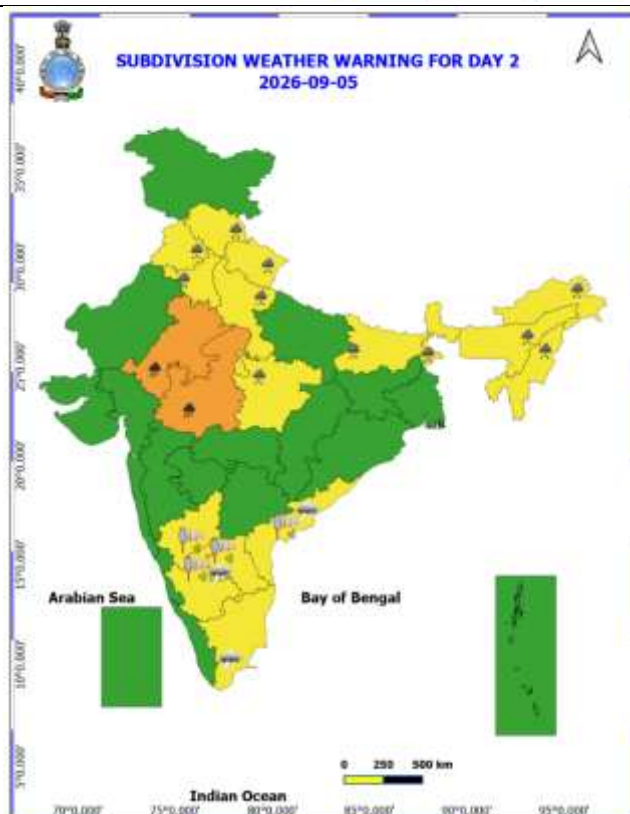
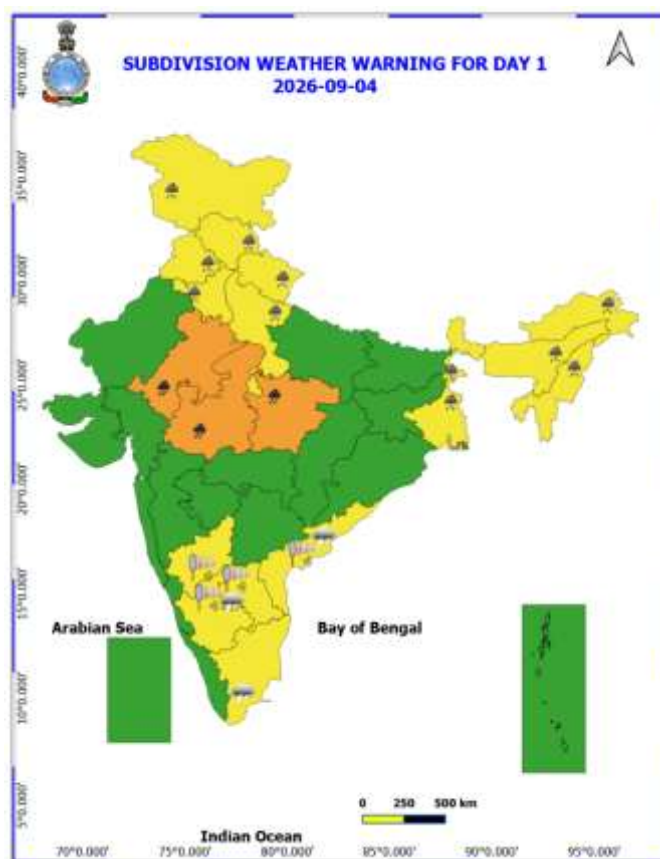
For Fishermen warning refer <https://rsmcnewdelhi.imd.gov.in/fishermenwarning.php>

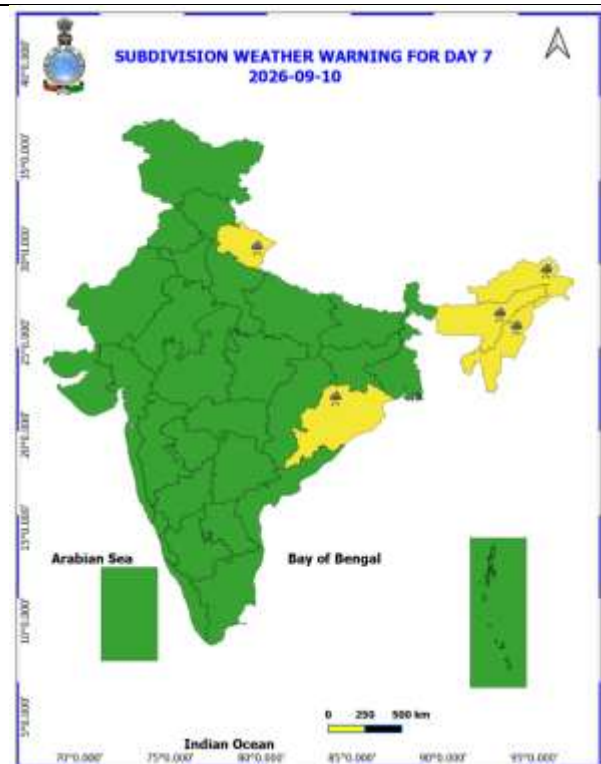
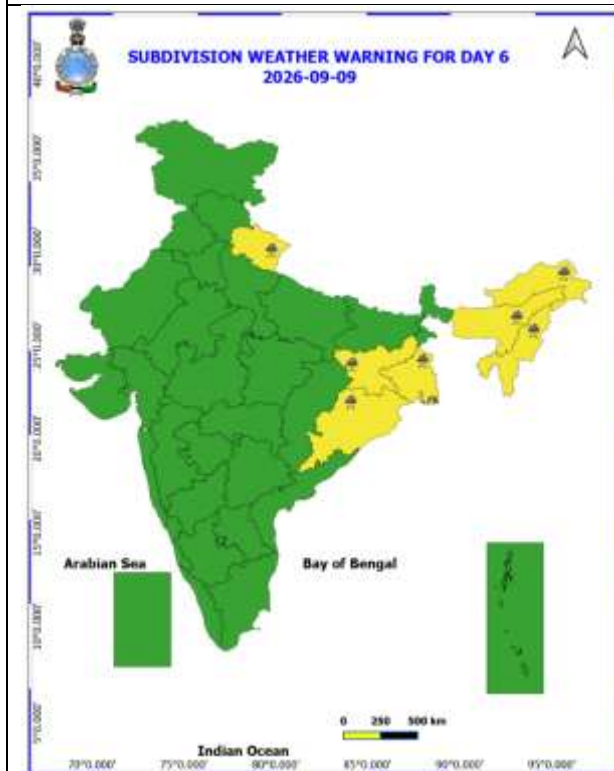
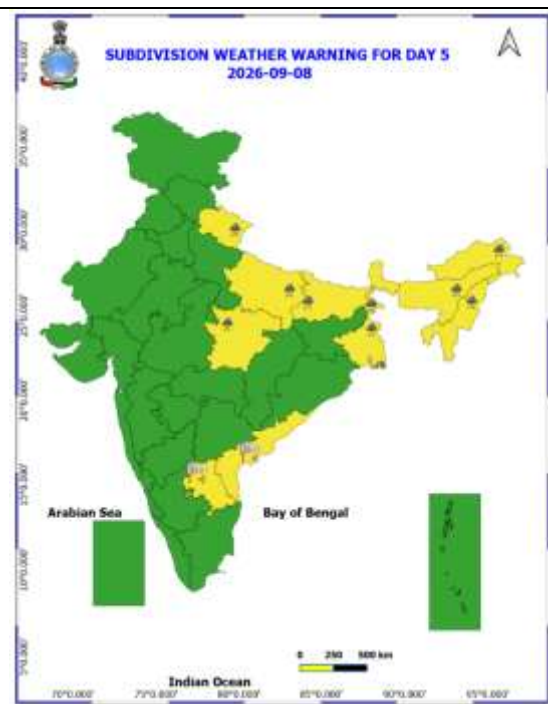
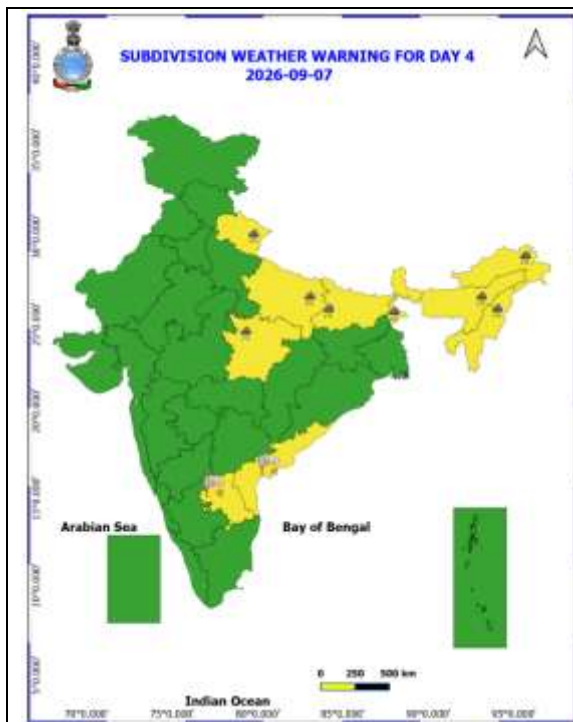
Highest rainfall recorded (> 7 cm) (from 0830 hours IST of yesterday to 0830 hours IST of today over different Meteorological Subdivision):

- ❖ **East Madhya Pradesh:** Orchha (Niwari) 17
- ❖ **Meghalaya:** Mawkyrwat 10
- ❖ **West Madhya Pradesh:** Bairad (Shivpuri) 9
- ❖ **Sub-Himalayan West Bengal:** Oodlabari 9
- ❖ **Arunachal Pradesh:** Longding(AWS) 8
- ❖ **Nagaland:** Mangkolemba 8
- ❖ **West Uttar Pradesh:** Rath (Hamirpur) 8
- ❖ **Himachal Pradesh:** Nahan 7
- ❖ **Uttarakhand:** Rishikesh (Neelkanth-AWS) & Haldwani 7.

Table-1								
7 Days Rainfall Forecast								
S.No.	Subdivision	4- Sep	5- Sep	6- Sep	7- Sep	8- Sep	9- Sep	10- Sep
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	FWS	FWS	FWS	FWS	FWS	FWS	FWS
2	ARUNACHAL PRADESH	FWS	FWS	FWS	FWS	FWS	SCT	SCT
3	ASSAM & MEHGHALAYA	WS	WS	WS	FWS	FWS	SCT	FWS
4	NAGALAND, MANIPUR, MIZORAM AND TRIPURA	WS	WS	FWS	FWS	FWS	FWS	FWS
5	SUB HIMALAYAN WEST BENGAL & SIKKIM	WS	WS	WS	WS	WS	FWS	FWS
6	GANGETIC WEST BENGAL	FWS	FWS	SCT	FWS	WS	WS	FWS
7	ODISHA	ISOL	ISOL	ISOL	ISOL	SCT	SCT	FWS
8	JHARKHAND	SCT	SCT	SCT	SCT	FWS	FWS	FWS
9	BIHAR	SCT	FWS	FWS	SCT	SCT	SCT	FWS
10	EAST UTTAR PRADESH	SCT	SCT	FWS	FWS	FWS	SCT	ISOL
11	WEST UTTAR PRADESH	FWS	FWS	FWS	SCT	ISOL	ISOL	ISOL
12	UTTARAKHAND	WS	WS	FWS	FWS	FWS	FWS	FWS
13	HARYANA, CHANDIGARH & DELHI	FWS	FWS	SCT	ISOL	ISOL	ISOL	ISOL
14	PUNJAB	SCT	SCT	SCT	ISOL	ISOL	ISOL	ISOL
15	HIMACHAL PRADESH	FWS	FWS	SCT	ISOL	ISOL	ISOL	ISOL
16	JAMMU AND KASHMIR AND LADAKH	FWS	SCT	SCT	ISOL	ISOL	ISOL	ISOL
17	WEST RAJASTHAN	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
18	EAST RAJASTHAN	FWS	FWS	SCT	ISOL	ISOL	ISOL	ISOL
19	WEST MADHYA PRADESH	WS	FWS	FWS	SCT	SCT	ISOL	ISOL
20	EAST MADHYA PRADESH	WS	FWS	FWS	FWS	FWS	SCT	SCT
21	GUJRAT REGION	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
22	SAURASHTRA & KUTCH	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
23	KONKAN & GOA	WS	WS	WS	WS	FWS	FWS	FWS
24	MADHYA MAHARASHTRA	SCT	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
25	MARATHWADA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
26	VIDARBHA	SCT	SCT	SCT	SCT	SCT	SCT	SCT
27	CHHATTISGARH	FWS	SCT	SCT	SCT	FWS	FWS	FWS
28	COASTAL ANDHRA PRADESH	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
29	TELANGANA	SCT	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
30	RAYALASEEMA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
31	TAMILNADU & PUDUCHERRY	SCT	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
32	COSTAL KARNATAKA	FWS	FWS	FWS	FWS	WS	WS	WS
33	NORTH INTERIOR KARNATAKA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
34	SOUTH INTERIOR KARNATAKA	SCT	SCT	SCT	SCT	SCT	SCT	SCT
35	KERALA AND MAHE	SCT	ISOL	ISOL	ISOL	ISOL	SCT	SCT
36	LAKSHADWEEP	SCT	SCT	SCT	SCT	SCT	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 04th -07th September 2026**Past Weather:**

There has been rise in maximum temperatures by 1-4°C and rise in minimum temperatures by 1°C over Delhi during the past 24 hours. The maximum temperatures were 32-35°C and the minimum temperatures are in the range 24-28°C respectively during past 24 hours over Delhi. The minimum temperatures were above normal (1.6°C to 3.0°C) at many places and normal (-1.5 to 1.5°C) at remaining parts over Delhi. The maximum temperatures were below normal (-1.6°C to -3.0°C) at isolated places and normal (-1.5 to 1.5°C) at remaining parts of Delhi. Generally cloudy sky with surface wind speed 20 kmph from the east direction prevailed over Delhi during past 24 hours. Very light to light rain has been occurred at a few places over Delhi during the past 24 hours. Generally cloudy sky with surface wind speeds up to 15 kmph likely to prevail from the southeast direction during forenoon over the region today.

Weather Forecast:

04.09.2026: 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/lightning during afternoon to evening. Another spell of very light to light rain accompanied with thunderstorm/lightning at a few places towards night. The maximum temperatures over Delhi are likely to be in the range of 31-33°C. The maximum temperatures will be near normal (-1.5°C to 1.5°C) at most places over Delhi. The predominant surface wind is likely to be from the southeast direction with surface wind speed reaching up to 15 kmph during the afternoon. The wind speed will increase becoming up to 20 kmph from southeast direction during the evening and night.

05.09.2026: Generally cloudy sky. One or two spells of light to moderate rain at many places accompanied with thunderstorm/lightning during early morning to forenoon. Another spell of light to moderate rain at a few places accompanied with thunderstorm/lightning towards afternoon to evening. The maximum and minimum temperatures over Delhi are likely to be in the range of 29°C to 31°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 southeast direction with surface wind speed reaching up to 18 kmph during the morning hours. The wind speed will decrease becoming up to 15 kmph from southeast direction during afternoon. The wind speed will increase becoming up to 18 kmph from southeast direction during evening and night.

06.09.2026: Partly cloudy sky. Possibility of very light rain. The maximum and minimum temperatures over Delhi are likely to be in the range of 31°C to 33°C and 22°C to 24°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 below normal (-1.6°C to -3.0°C) at most places over Delhi. The predominant surface wind is likely to be from southeast direction with surface wind speed reaching up to 10 kmph from during morning hours. The wind speed will increase becoming up to 12 kmph from east direction during afternoon. The wind speed will increase becoming up to 15 kmph from southeast direction during evening and night.

07.09.2026: Partly cloudy sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 33°C to 35°C and 23°C to 25°C, respectively. The minimum temperature will be 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 southwest direction with wind speed reaching up to 10 kmph during the morning hours. The surface wind speed will increase becoming up to 15 kmph from the northwest direction during afternoon. The wind speed will increase becoming up to 18 kmph from northwest direction during evening and night.

Impact Expected and Action Suggested due to very heavy rainfall:

- ❖ Isolated heavy to very heavy rainfall very likely over East Rajasthan, West Madhya Pradesh on 04th & 05th and East Madhya Pradesh on 04th 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 **Madhya Pradesh**, ensure proper drainage in soybean, cotton, maize and sugarcane fields to prevent waterlogging. Avoid transplanting during wet conditions, provide support to vulnerable plants and undertake propping in tall sugarcane to minimise lodging.
- In **East Rajasthan** harvest ripe and marketable fruits of tomato, chilli and brinjal and maintain proper drainage in fields to avoid water logging. Keep harvested produce in safe and dry places.
- In **Arunachal Pradesh**, ensure continuous and effective drainage in rice, maize, finger millet, soybean, cowpea, vegetables and orchards and remove excess water promptly. Keep millet fields well drained during panicle initiation and flowering. Postpone fertilizer and plant-protection operations during rainfall
- In **Assam** and **Meghalaya**, ensure continuous and effective drainage in rice, sugarcane, soybean, pigeon pea, jute, sesame and vegetable fields and keep drainage channels clear. Postpone fertilizer and plant-protection operations during rainfall and 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 **Sub-Himalayan West Bengal** and **Sikkim**, 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 and avoid nitrogen application during wet conditions.
- In **Uttarakhand**, maintain effective drainage in sugarcane, soybean, kidney bean, green gram, black gram, other standing crops and vegetable fields. Keep drainage channels clear and provide support to tall crops and vegetables to prevent lodging.
- 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 **Uttar Pradesh**, ensure proper drainage of excess rainwater from standing crop fields, particularly low-lying areas prone to waterlogging. Postpone irrigation, fertilizer application and plant-protection operations in saturated.

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.

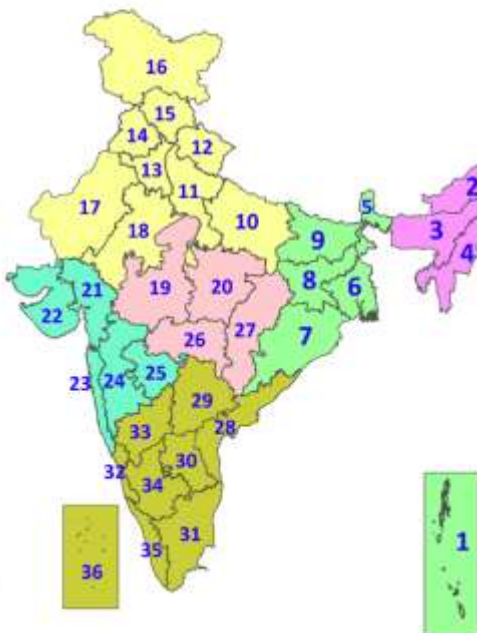
Northeast India: Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.

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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(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)

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