



Government of India
Ministry of Earth Sciences
India Meteorological Department



Press Release

Date: 12th September 2026

Time of Issue: 1330 hours IST

Subject:(i) Under the influence of low-pressure area over South Chhattisgarh & neighbourhood, isolated heavy rainfall very likely over Odisha, Chhattisgarh, East Madhya Pradesh on 12th; Coastal Andhra Pradesh, Vidarbha, Marathwada, Telanagana, Madhya Maharashtra and Konkan on 12th & 13th; West Madhya Pradesh during 12th-14th with isolated very heavy rainfall over Vidarbha, Marathwada and Telangana on 12th; West Madhya Pradesh on 13th September.

(ii) Isolated heavy to very heavy rainfall also likely over Gujarat Region during 12th-14th; Saurashtra & Kutch on 13th & 14th with the possibility of isolated extremely heavy rainfall over Gujarat region on 13th September 2026.

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

- ❖ **Very Heavy rainfall (12-20 cm)** has been recorded over Odisha, Chhattisgarh, Assam and Nagaland.
- ❖ **Heavy rainfall (7-11 cm)** has been recorded over Himachal Pradesh, Haryana, West Madhya Pradesh, Vidarbha and Arunachal Pradesh.

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

- ❖ The **monsoon trough** is active and south of its normal position in lower tropospheric levels.
- ❖ Yesterday's **Low-Pressure Area** over Northwest-Westcentral Bay of Bengal & adjoining south Odisha-north Andhra Pradesh coasts lay over South Chhattisgarh & neighbourhood at 0830 hrs IST of today, the 12th September 2026. It is likely to move west-northwestwards across south Chhattisgarh & Vidarbha during next 24 hours.
- ❖ A **trough** runs from South Interior Karnataka to Gulf of Mannar in lower tropospheric level.
- ❖ An **upper air cyclonic circulation** lies over south Konkan adjoining Eastcentral Arabian sea in lower & middle tropospheric levels titling southwestwards with height.
- ❖ A **fresh Western Disturbance** lies as a cyclonic circulation over north Pakistan & adjoining Jammu in lower & middle tropospheric levels with a trough aloft in middle tropospheric level roughly along Long. 70°E to the north of Lat. 30°N.
- ❖ An **upper air cyclonic circulation** lies over central Assam & neighbourhood in lower tropospheric levels.

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 during 15th-17th September; Uttarakhand during 12th-14th September.
- ❖ **Fairly Widespread to Widespread** rainfall accompanied with thunderstorm & lightning likely over Haryana Chandigarh & Delhi and Punjab during 16th-17th September; East Rajasthan during 13th-14th September.
- ❖ **Isolated to Scattered** rainfall accompanied with thunderstorm & lightning likely over rest parts of northwest India.
- ❖ Isolated **heavy rainfall** likely over Uttarakhand during 12th-13th September; Haryana Chandigarh & Delhi and Punjab during 13th-17th September; East Rajasthan during 12th-14th September.

Central India:

- ❖ **Fairly Widespread to Widespread** rainfall accompanied with thunderstorm & lightning likely over West Madhya Pradesh during 12th-14th September; East Madhya Pradesh and Vidarbha during 12th-13th September; Chhattisgarh during 12th-15th September.
- ❖ **Isolated to Scattered** rainfall accompanied with thunderstorm & lightning likely over West Madhya Pradesh during 15th-18th September; East Madhya Pradesh and Vidarbha during 14th-18th September; Chhattisgarh during 16th-18th September.

- ❖ Isolated **heavy rainfall** likely over West Madhya Pradesh on 12th September and on 14th September; Chhattisgarh and East Madhya Pradesh on 12th September; Vidarbha on 13th September with isolated **very heavy rainfall** also likely over West Madhya Pradesh on 13th September; Vidarbha on 12th September.

East India:

- ❖ **Fairly Widespread to Widespread** rainfall accompanied with thunderstorm & lightning likely over Andaman & Nicobar Islands and Sub-Himalayan West Bengal & Sikkim during 12th-18th September; Gangetic West Bengal during 12th-13th September and during 16th-18th September; Bihar during 16th-17th September; Odisha on 12th September and during 15th-16th September.
- ❖ **Isolated to Scattered** rainfall accompanied with thunderstorm & lightning likely over Gangetic West Bengal during 14th-15th September; Jharkhand during 12th-18th September; Bihar during 12th-15th September and on 18th September; Odisha during 13th-14th September and during 17th-18th September.
- ❖ Isolated **heavy rainfall** likely over Sub-Himalayan West Bengal & Sikkim during 12th-17th September; Bihar during 16th-18th September; Odisha on 12th September and during 15th-17th September.

Northeast India:

- ❖ **Fairly Widespread to Widespread** rainfall likely over Arunachal Pradesh during 12th-17th September; Assam & Meghalaya during 12th-13th September and during 15th-16th September; Nagaland, Manipur, Mizoram & Tripura during 12th-14th September.
- ❖ **Isolated to Scattered** rainfall likely over Arunachal Pradesh on 18th September; Assam & Meghalaya on 14th September and during 17th-18th September; Nagaland, Manipur, Mizoram & Tripura during 15th-18th September.
- ❖ Isolated **thunderstorm & lightning** likely over Arunachal Pradesh and Assam & Meghalaya during 12th-15th September; Nagaland, Manipur, Mizoram & Tripura during 12th-14th September.
- ❖ Isolated **heavy rainfall** likely over Arunachal Pradesh during 12th-16th September; Assam & Meghalaya during 13th-16th September; Nagaland, Manipur, Mizoram & Tripura during 12th-13th September with isolated **very heavy rainfall** also likely over Assam & Meghalaya on 12th September.

West India:

- ❖ **Fairly Widespread to Widespread** rainfall likely over Konkan & Goa during 12th-18th September; Gujarat Region and Madhya Maharashtra during 12th-15th September; Marathawada during 12th-13th September; Saurashtra & Kutch during 13th-15th September.
- ❖ **Isolated to Scattered** rainfall likely over Gujarat Region and Madhya Maharashtra during 16th-18th September; Marathawada during 14th-18th September; Saurashtra & Kutch on 12th September and during 16th-18th September.
- ❖ Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Konkan & Goa during 12th-13th September; Madhya Maharashtra and Marathawada during 12th-14th September; Gujarat Region and Saurashtra & Kutch during 12th-15th September.
- ❖ Isolated **heavy rainfall** likely over Konkan & Goa during 12th-13th September; Madhya Maharashtra on 12th September; Gujarat Region and Marathawada on 13th September; Saurashtra & Kutch on 15th September with isolated **very heavy rainfall** also likely over Madhya Maharashtra on 13th September; Marathawada on 12th September; Gujarat Region on 12th September and on 14th September; Saurashtra & Kutch during 13th-14th September.
- ❖ **Isolated extremely heavy rainfall over Gujarat region on 13th September.**

South Peninsular India:

- ❖ **Isolated to Scattered** rainfall likely over Rayalaseema and Tamil Nadu, Puducherry & Karaikal during 12th-18th September; Kerala & Mahe during 12th-13th September and during 16th-18th September; Coastal Karnataka on 13th September and on 15th September; North Interior Karnataka during 12th-13th September and during 15th-18th September; Coastal Andhra Pradesh & Yanam, South Interior Karnataka and Telangana during 13th-18th September.
- ❖ **Fairly Widespread to Widespread** rainfall likely over Kerala & Mahe during 14th-15th September; Lakshadweep during 12th-18th September; Coastal Andhra Pradesh & Yanam and Telangana on 12th September.
- ❖ Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Tamil Nadu, Puducherry & Karaikal during 12th-16th September; Coastal Andhra Pradesh & Yanam during 14th-16th September; Rayalaseema on 12th September, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Kerala & Mahe during 14th-15th September; Telangana during 12th-14th September.
- ❖ Isolated **heavy rainfall** likely over Tamil Nadu, Puducherry & Karaikal during 15th-16th September; Kerala & Mahe during 14th-17th September; Coastal Andhra Pradesh & Yanam during 12th-13th September; Telangana on 13th September with isolated **very heavy rainfall** also likely over Telangana on 12th September.
- ❖ **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Coastal Andhra Pradesh & Yanam during 12th-13th September.

Hot & Humid weather warning:

- ❖ **Hot and humid** weather conditions likely to prevail over Kerala & Mahe during 12th-13th September.

Fishermen Warning:

- ❖ **Arabian Sea:** Along and off Somalia coasts adjoining few parts of southwest Arabian Sea till 16th September; over few parts of westcentral Arabian Sea during 12th to 16th September; along and off Gujarat coasts adjoining northeast Arabian Sea during 13th to 16th September.
- ❖ **Bay of Bengal:** Along and off West Bengal adjoining Bangladesh, Odisha, North Andhra Pradesh coasts adjoining northwest & westcentral Bay of Bengal on 11th September; along and off north Andhra Pradesh coasts adjoining westcentral Bay of Bengal over few parts of Gulf of Mannar and few parts of southwest Bay of Bengal adjoining south Sri Lanka Coasts on 12th 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>

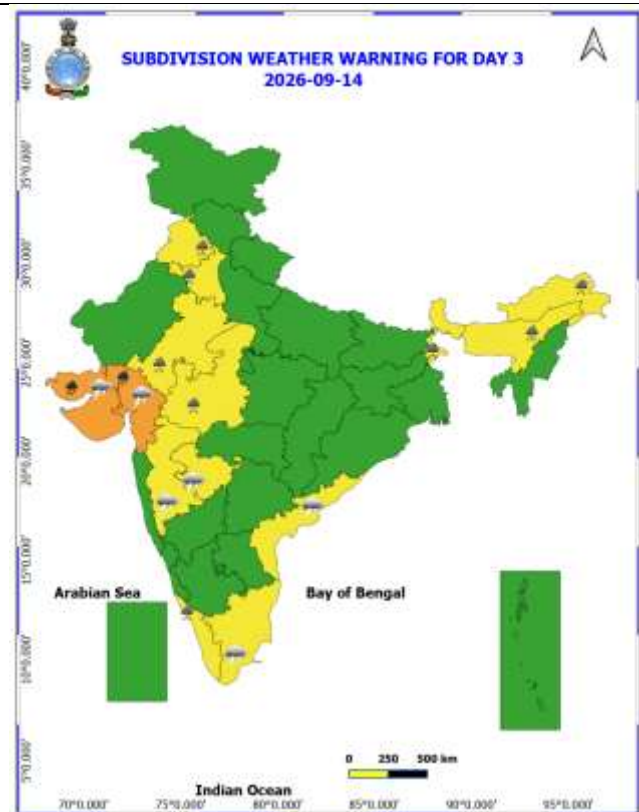
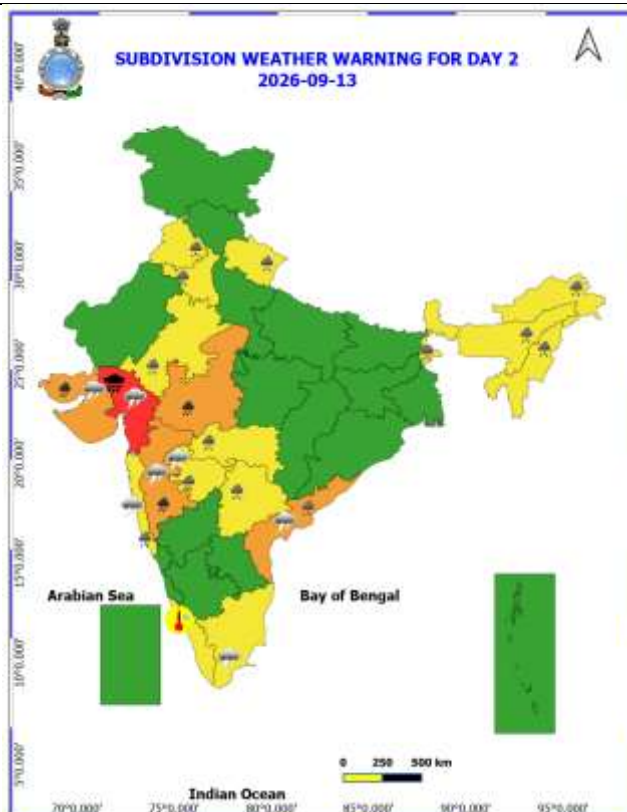
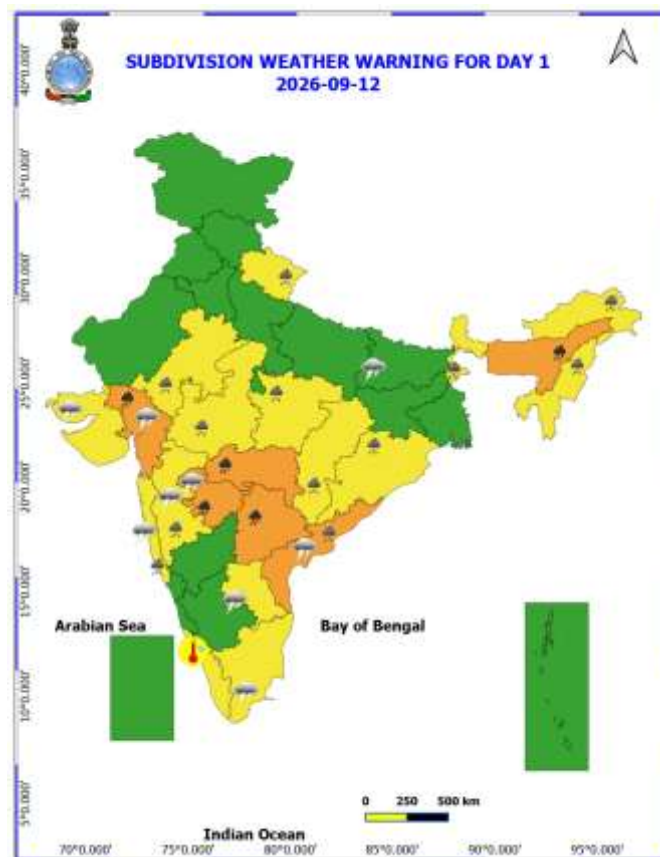
For Fishermen warning refer <https://rsmcnewdelhi.imd.gov.in/fishermenwarning.php>

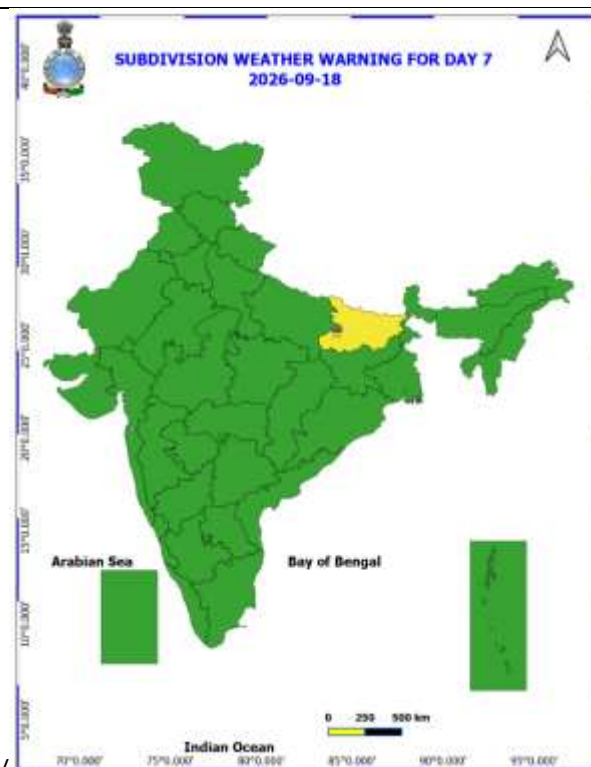
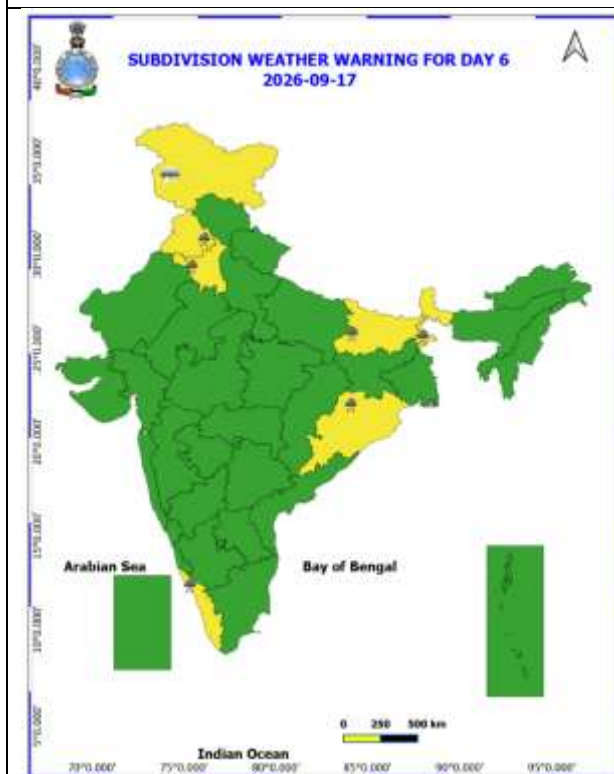
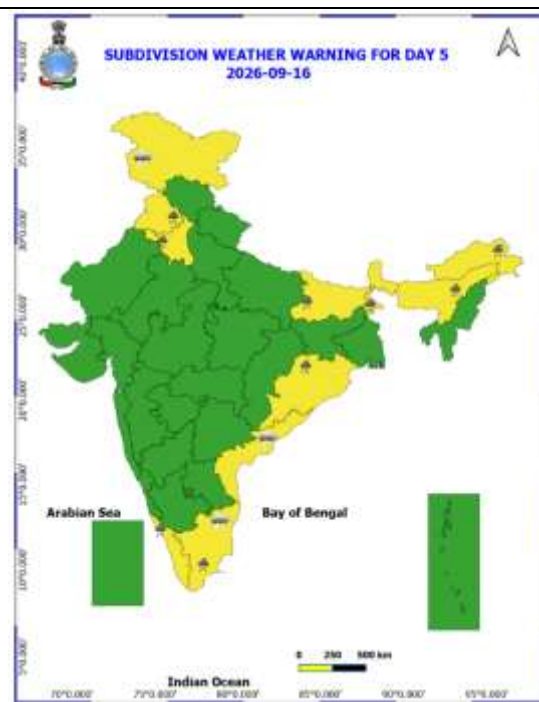
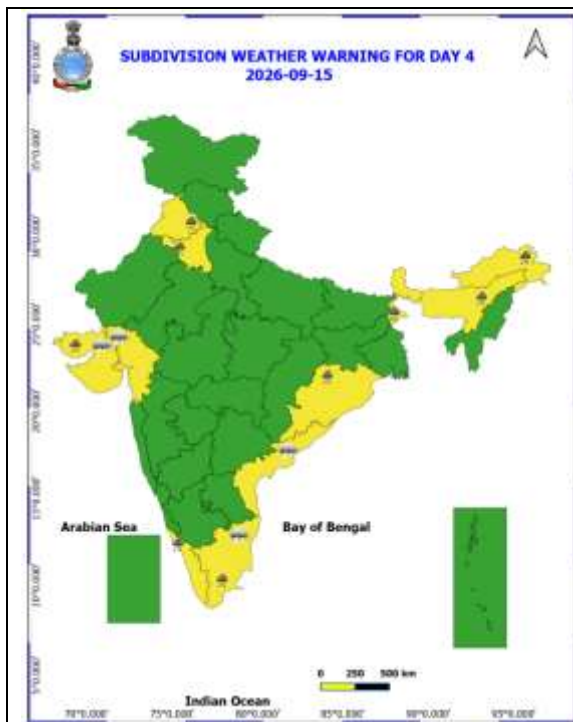
Highest rainfall recorded (> 7 cm) (from 0830 hours IST of yesterday to 0830 hours IST of today over different Meteorological Subdivision):

- ❖ **Odisha:** Chitrakunda 19
- ❖ **Chhattisgarh:** Durg 17
- ❖ **Nagaland:** Mangkolemba 14
- ❖ **Assam:** Raha Agri 12
- ❖ **Himachal Pradesh:** Dharamshala 9
- ❖ **Vidarbha:** Korpana (Chandrapur) 9
- ❖ **Arunachal Pradesh:** Yupia (ARG) 9
- ❖ **West Madhya Pradesh:** Dharampuri Tappa (Dhar) 8
- ❖ **Haryana:** Palhawas 7.

Table-1								
7 Days Rainfall Forecast								
S.No.	Subdivision	12- Sep	13- Sep	14- Sep	15- Sep	16- Sep	17- Sep	18- Sep
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	W3	FWS	FWS	FWS	FWS	W3	W3
2	ARUNACHAL PRADESH	FWS	FWS	FWS	FWS	FWS	FWS	SCT
3	ASSAM & MEHGHALAYA	FWS	FWS	SCT	FWS	FWS	SCT	SCT
4	NAGALAND, MANIPUR, MIZORAM AND TRIPURA	FWS	FWS	FWS	SCT	SCT	SCT	SCT
5	SUB HIMALAYAN WEST BENGAL & SIKKIM	W3	W3	FWS	FWS	W3	W3	FWS
6	GANGETIC WEST BENGAL	FWS	FWS	SCT	SCT	FWS	FWS	FWS
7	ODISHA	FWS	SCT	SCT	FWS	FWS	SCT	SCT
8	JHARKHAND	SCT	ISOL	SCT	SCT	SCT	SCT	ISOL
9	BIHAR	SCT	ISOL	SCT	SCT	FWS	FWS	SCT
10	EAST UTTAR PRADESH	ISOL	ISOL	ISOL	SCT	SCT	SCT	ISOL
11	WEST UTTAR PRADESH	ISOL	ISOL	ISOL	SCT	SCT	ISOL	DRY
12	UTTARAKHAND	FWS	FWS	FWS	SCT	SCT	SCT	ISOL
13	HARYANA, CHANDIGARH & DELHI	SCT	SCT	SCT	SCT	FWS	FWS	ISOL
14	PUNJAB	ISOL	SCT	SCT	SCT	FWS	FWS	ISOL
15	HIMACHAL PRADESH	SCT	SCT	SCT	SCT	SCT	SCT	ISOL
16	JAMMU AND KASHMIR AND LADAKH	SCT	SCT	SCT	FWS	FWS	FWS	SCT
17	WEST RAJASTHAN	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
18	EAST RAJASTHAN	SCT	FWS	FWS	SCT	SCT	ISOL	ISOL
19	WEST MADHYA PRADESH	W3	W3	FWS	SCT	SCT	ISOL	ISOL
20	EAST MADHYA PRADESH	W3	FWS	SCT	SCT	ISOL	ISOL	ISOL
21	GUJRAT REGION	W3	W3	W3	FWS	SCT	SCT	SCT
22	SAURASHTRA & KUTCH	SCT	W3	W3	FWS	SCT	SCT	ISOL
23	KONKAN & GOA	W3	W3	W3	W3	W3	W3	FWS
24	MADHYA MAHARASHTRA	W3	W3	FWS	FWS	SCT	SCT	SCT
25	MARATHWADA	W3	W3	SCT	SCT	ISOL	ISOL	ISOL
26	VIDARBHA	W3	FWS	SCT	ISOL	ISOL	ISOL	ISOL
27	CHHATTISGARH	W3	FWS	FWS	FWS	SCT	SCT	SCT
28	COASTAL ANDHRA PRADESH	FWS	SCT	ISOL	ISOL	ISOL	ISOL	ISOL
29	TELANGANA	FWS	SCT	ISOL	ISOL	ISOL	ISOL	ISOL
30	RAYALASEEMA	SCT	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
31	TAMILNADU & PUDUCHERRY	ISOL	ISOL	ISOL	SCT	SCT	SCT	SCT
32	COSTAL KARNATAKA	DRY	ISOL	DRY	ISOL	DRY	DRY	DRY
33	NORTH INTERIOR KARNATAKA	ISOL	ISOL	DRY	ISOL	ISOL	ISOL	SCT
34	SOUTH INTERIOR KARNATAKA	DRY	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
35	KERALA AND MAHE	ISOL	ISOL	FWS	FWS	SCT	SCT	SCT
36	LAKSHADWEEP	FWS	FWS	FWS	W3	W3	W3	W3

As the lead period increases forecast accuracy decrease.





Action may be taken based on ORANGE AND REDCOLOUR warnings.

Vulnerable regions likely urban and hilly areas action may be initiated for heavy rainfall warning. As the lead period increases forecast accuracy decreases.

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

Weather forecast over Delhi/NCR during 12th -15th September 2026**Past Weather:**

There has been fall in maximum temperatures by 1-2°C and no large change in minimum temperatures over Delhi during the past 24 hours. The maximum temperatures were found around 33-35°C and the minimum temperatures are in the range 23-27°C respectively during past 24 hours over Delhi. The minimum temperatures are below normal (-1.6 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) over most parts of Delhi. Generally cloudy sky with surface wind speed 20 kmph gusting to 32 kmph from the northeast direction prevailed over Delhi during past 24 hours. Very light to light rain has been occurred at most places with moderate rain at isolated place over Delhi during past 24 hours. Generally cloudy sky with surface wind speeds up to 16 kmph from the northeast direction likely to prevail during forenoon over the region today.

Weather Forecast:

12.09.2026: Generally cloudy sky. A spell of very light to light rain accompanied with thunderstorm/lightning at a few places during afternoon to evening. Another spell of very light to light rain towards night. The maximum temperatures over Delhi are likely to be in the range of 33-35°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 20 kmph during the afternoon. The surface wind speed will decrease becoming up to 18 kmph from the southeast direction during evening and night hours.

13.09.2026: Generally cloudy sky. A spell of very light to light rain at isolated places during forenoon to afternoon. The maximum and minimum temperatures over Delhi are likely to be in the range of 32°C to 34°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 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 southeast direction during afternoon. The surface wind speed will decrease becoming up to 15 kmph from the southeast direction during evening and night hours.

14.09.2026: Generally cloudy sky. A spell of very light to light rain at a few places during morning to forenoon. Another spell of very light to light rain during evening to 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 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 southeast direction during afternoon. The surface wind speed will decrease becoming up to 15 kmph from the southeast direction during evening and night hours.

15.09.2026: Generally cloudy sky. A spell of very light to light rain at a few places during forenoon to afternoon. The maximum and minimum temperatures over Delhi are likely to be in the range of 30°C to 32°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 wind speed reaching up to 15 kmph during the morning hours. The surface wind speed will decrease becoming up to 12 kmph from the southeast direction during afternoon. The surface wind speed will increase becoming up to 15 kmph from the southwest direction during evening and night hours.

Impact Expected and Action Suggested due to very heavy rainfall:

- ❖ Isolated heavy rainfall very likely over Odisha, Chhattisgarh, East Madhya Pradesh on 12th; Coastal Andhra Pradesh, Vidarbha, Marathwada, Telanagana, Madhya Maharashtra and Konkan on 12th & 13th; West Madhya Pradesh during 12th-14th with isolated very heavy rainfall over Vidarbha, Marathwada and Telangana on 12th; West Madhya Pradesh on 13th September.
- ❖ Isolated heavy to very heavy rainfall also likely over Gujarat Region during 12th-14th; Saurashtra & Kutch on 13th & 14th with the possibility of isolated extremely heavy rainfall over Gujarat region on 13th September 2026.
- ❖ Isolated Very Heavy rainfall over Assam & Meghalaya on 12th September 2026.

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**, drain out excess rain water immediately in rice, maize, millets, groundnut, ginger, turmeric, vegetables, pulses and orchards and keep drainage channels clear. Do not allow water to stagnate in ginger beds and provide mechanical support or staking to vulnerable crops to minimise lodging. Continue intercultural operations only after rainfall stops and the soil becomes workable.
- In **Gujarat**, provide continuous and effective drainage to remove excess water from sugarcane, cotton, rice, pigeon pea, castor, sorghum, maize and groundnut. Prevent lodging of sugarcane by tying tall canes with dry leaves or bamboo sticks.
- In **Telangana**, provide adequate drainage in fields to drain excess water in standing crops.
- In **West Madhya Pradesh**, ensure proper drainage in soybean, cotton, maize and sugarcane fields to prevent waterlogging. Provide support to vulnerable plants and undertake propping in tall sugarcane to minimize lodging. Postpone irrigation, fertilizer application and plant-protection operations in saturated soil.
- In **Konkan**, make arrangement to drain out excess water from finger millet, turmeric, groundnut, sugarcane, vegetables and orchards.
- In **Madhya Maharashtra**, harvest matured black gram and green gram and keep the harvested produce at safer places. Make arrangement to drain out excess water from finger millet, groundnut, vegetables and orchards.
- In **Marathwada**, harvest matured maize, green gram and black gram. Keep the harvested produce at safer places. Make arrangement to drain out excess water from *kharif* crops, orchard, vegetables and floricultural crops.
- In **Vidarbha**, undertake harvesting matured green gram and black gram as early as possible and keep the harvested produce at safer places. Ensure proper drainage to drain out excess water from *kharif* crops like rice, soybean, cotton, pigeon pea, maize etc. vegetable and orchards. Provide mechanical support to newly planted orchards and vegetables to prevent them from lodging.
- In **Assam**, postpone sowing of maize, black gram, green gram & sesame. Drain out excess water from already sown maize, black gram, green gram & sesame. Maintain water level in rice. Shift the harvested produce of red gram to safe places. Provide support to papaya, banana vegetables and to weak stemmed crops.

- In **Meghalaya**, ensure proper drainage in rice, maize, sugarcane, soybean, pigeon pea, jute, sesame and vegetable fields and keep drainage channels clear. Provide staking/support for tall and fragile crops like banana, papaya, cucumber, bottle gourd, pumpkin, etc. to prevent lodging.
- In **Arunachal Pradesh**, maintain proper drainage in rice, maize, finger millet, soybean, cowpea, vegetables and orchards and remove excess water promptly. Provide support to vulnerable standing crops wherever required to minimise lodging.
- 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 keep harvested produce in safe and dry places.
- In **Chhattisgarh**, drain out excess rainwater from rice, maize, groundnut, minor millets, pulses and vegetable fields to prevent prolonged waterlogging. Keep drainage channels clear, particularly in low-lying maize, ginger and turmeric fields, and remove excess water promptly.
- In **Sub-Himalayan West Bengal and Sikkim**, maintain proper drainage in rice, vegetable fields and orchards to prevent water stagnation. Keep drainage channels clear and protect standing vegetables and horticultural crops from excess rain wherever required.
- In **Coastal Andhra Pradesh**, ensure effective drainage to drain excess rain water from rice, groundnut, maize, kodo millets, turmeric, coffee plantation, orchards and vegetables.

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.

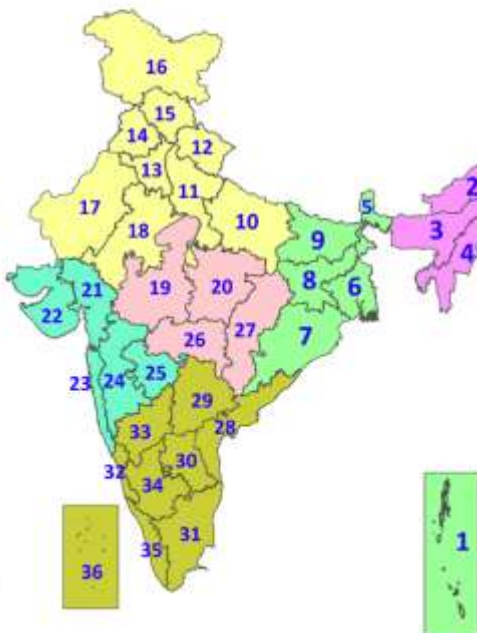
Northeast India: Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.

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

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

(Service to the Nation since 1875)