



Government of India
Ministry of Earth Sciences
India Meteorological Department



Press Release

Date: 28th August 2026

Time of Issue: 1305 hours IST

Subject: (i) Under the influence of Low-Pressure Area over northeast Uttar Pradesh and neighbourhood heavy to very heavy rainfall likely over East Madhya Pradesh on 28th August and heavy rainfall likely over Uttar Pradesh on 28th August 2026.

(ii) Due to likely formation of Low Pressure Area over northwest Bay of Bengal & adjoining West Bengal-north Odisha coasts, isolated heavy to very heavy rainfall likely over Odisha during 28th-31st with isolated extremely heavy falls on 30th August, 2026.

(iii) Subdued rainfall activity likely to continue over Peninsular India during next one week.

Realised weather during past 24 hours ending at 0830 hours IST of today, the 28th August, 2026:

- ❖ **Extremely heavy rainfall (≥ 21 cm)** has been recorded over West Uttar Pradesh.
- ❖ **Very Heavy rainfall (12-20 cm)** has been recorded over Uttarakhand, Meghalaya, Mizoram, East Madhya Pradesh.
- ❖ **Heavy rainfall (7-11 cm)** has been recorded over East Rajasthan, Chhattisgarh, West Bengal & Sikkim, Odisha, Jharkhand, Bihar, Uttar Pradesh, Arunachal Pradesh, West Madhya Pradesh

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

- ❖ The western end of **monsoon trough** is north of its normal position and eastern end is near its normal position at mean sea level.
- ❖ Yesterday's low pressure area over southeast Uttar Pradesh & neighbourhood now lay over northeast Uttar Pradesh & neighbourhood at 0830 Hrs IST of today, the 28th August 2026. It is very likely to become less marked during next 24 hours.
- ❖ An **upper air cyclonic circulation** over North Bay of Bengal & adjoining West Bengal-Bangladesh coasts persists and now extends in upper tropospheric level. Under its influence, a low pressure area is likely to form over northwest Bay of Bengal & adjoining West Bengal-north Odisha coasts around 29th August, 2026.
- ❖ An **upper air cyclonic circulation** over North Haryana & neighbourhood in lower tropospheric level.
- ❖ An **upper air cyclonic circulation** over Northeast Assam & neighbourhood in lower tropospheric level.
- ❖ The **Western Disturbance** as a trough in middle tropospheric westerlies with its axis in middle tropospheric sea level now runs roughly along Long. 75°E to the north of Lat. 29°N.

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 28th-30th August and during 2nd-3rd September; Himachal Pradesh during 28th-29th August.
- ❖ **Isolated to Scattered** rainfall likely over rest parts of northwest India.
- ❖ **Fairly Widespread to Widespread** rainfall likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 31st August-1st September; Himachal Pradesh during 30th August-3rd September; Uttarakhand during 28th August-3rd September.
- ❖ **Fairly Widespread to Widespread** rainfall likely over East Uttar Pradesh during 1st-3rd September.
- ❖ Isolated **thunderstorm & lightning** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 29th-30th August; Uttarakhand during 28th August-3rd September; East Uttar Pradesh on 28th August.
- ❖ Isolated **heavy rainfall** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 1st September; Himachal Pradesh during 31st August-3rd September; Uttarakhand during 28th-30th August and during 2nd-3rd September; West Uttar Pradesh on 28th August and during 2nd-3rd September; East Uttar Pradesh on 28th August and during 31st August-3rd September with isolated **very heavy rainfall** also likely over Uttarakhand during 31st August-1st September.

Central India:

- ❖ **Isolated to Scattered** rainfall likely over West Madhya Pradesh during 28th August-3rd September; East Madhya Pradesh during 31st August-1st September; Vidarbha during 29th August-1st September.
- ❖ **Fairly Widespread to Widespread** rainfall likely over East Madhya Pradesh during 28th-30th August and during 2nd-3rd September; Vidarbha on 28th August and during 2nd-3rd September; Chhattisgarh during 28th August-3rd September.
- ❖ Isolated **thunderstorm & lightning** likely over Chhattisgarh, East Madhya Pradesh and West Madhya Pradesh during 28th August-1st September.
- ❖ Isolated **heavy rainfall** likely over West Madhya Pradesh on 28th August and during 2nd-3rd September; East Madhya Pradesh during 29th August-2nd September; Chhattisgarh during 28th August-3rd September with isolated **very heavy rainfall** also likely over East Madhya Pradesh on 28th August and on 3rd September.

East India:

- ❖ **Fairly Widespread to Widespread** rainfall likely over Andaman & Nicobar Islands, Gangetic West Bengal, Jharkhand, Odisha and Sub-Himalayan West Bengal & Sikkim during 28th August-3rd September; Bihar during 28th-29th August.
- ❖ **Isolated to Scattered** rainfall likely over Bihar during 30th August-3rd September.
- ❖ Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Andaman & Nicobar Islands during 30th August-3rd September; Odisha during 28th August-1st September, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Sub-Himalayan West Bengal & Sikkim during 28th-29th August; Gangetic West Bengal during 28th-31st August; Jharkhand during 28th August-1st September; Bihar during 28th August-3rd September.
- ❖ Isolated **heavy rainfall** likely over Sub-Himalayan West Bengal & Sikkim on 28th August and during 30th August-1st September; Gangetic West Bengal during 28th-29th August and during 31st August-1st September; Jharkhand during 28th-31st August; Bihar during 28th August-1st September; Odisha on 30th August and during 1st-3rd September with isolated **very heavy rainfall** also likely over Gangetic West Bengal on 30th August; Odisha during 28th-29th August and on 31st August.
- ❖ **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Andaman & Nicobar Islands during 28th-29th August.
- ❖ **Isolated extremely heavy rainfall likely over Odisha on 30th August.**
- ❖ **Moderate to severe lightning activity over Bihar on 28th August.**

Northeast India:

- ❖ **Fairly Widespread to Widespread** rainfall likely over Arunachal Pradesh during 28th August-3rd September; Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 28th August-2nd September.
- ❖ **Isolated to Scattered** rainfall likely over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura on 3rd September.
- ❖ Isolated **thunderstorm & lightning** likely over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 28th August-1st September.
- ❖ Isolated **heavy rainfall** likely over Arunachal Pradesh and Assam & Meghalaya during 28th-29th August and during 31st August-3rd September; Nagaland, Manipur, Mizoram & Tripura during 28th August-3rd September with isolated **very heavy rainfall** also likely over Arunachal Pradesh and Assam & Meghalaya on 30th August.

West India:

- ❖ **Fairly Widespread to Widespread** rainfall likely over Konkan & Goa during 28th August-3rd September.
- ❖ **Isolated to Scattered** rainfall likely over Gujarat Region, Madhya Maharashtra, Marathwada and Saurashtra & Kutch during 28th August-3rd September.

South Peninsular India:

- ❖ **Isolated to Scattered** rainfall likely over Coastal Andhra Pradesh & Yanam, North Interior Karnataka, Rayalaseema, South Interior Karnataka, Tamil Nadu, Puducherry & Karaikal and Telangana during 28th August-3rd September; Kerala & Mahe and Lakshadweep during 30th August-1st September.
- ❖ **Fairly Widespread to Widespread** rainfall likely over Kerala & Mahe and Lakshadweep during 28th-29th August and during 2nd-3rd September; Coastal Karnataka during 28th August-3rd September.
- ❖ Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over North Interior Karnataka and Tamil Nadu, Puducherry & Karaikal during 28th-29th August; Coastal Andhra Pradesh & Yanam and Rayalaseema during 28th August-1st September, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Coastal Karnataka, South Interior Karnataka and Telangana during 28th-29th August.
- ❖ Strong Surface Winds likely over Coastal Karnataka, North Interior Karnataka, South Interior Karnataka and Telangana during 28th-29th August; Coastal Andhra Pradesh & Yanam and Rayalaseema during 28th August-1st September.

Fishermen Warning:

- ❖ **Arabian Sea:** Along and off Somalia and Oman coasts, over many parts of westcentral and some parts of southwest Arabian Sea till 02nd September and over eastcentral Arabian Sea during 30th August to 02nd September.
- ❖ **Bay of Bengal:** Off south Tamil Nadu coast, Gulf of Mannar adjoining Comorin area and some parts of southwest Bay of Bengal adjoining south Sri Lanka coast and over Andaman Sea till 02nd September; Over some parts northwest Bay of Bengal on 28th August; along and off West Bengal, Odisha, Bangladesh coasts, over north adjoining few parts of central during 29th August to 01st September; over some parts of eastcentral Bay of Bengal during 31st August to 02nd 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>

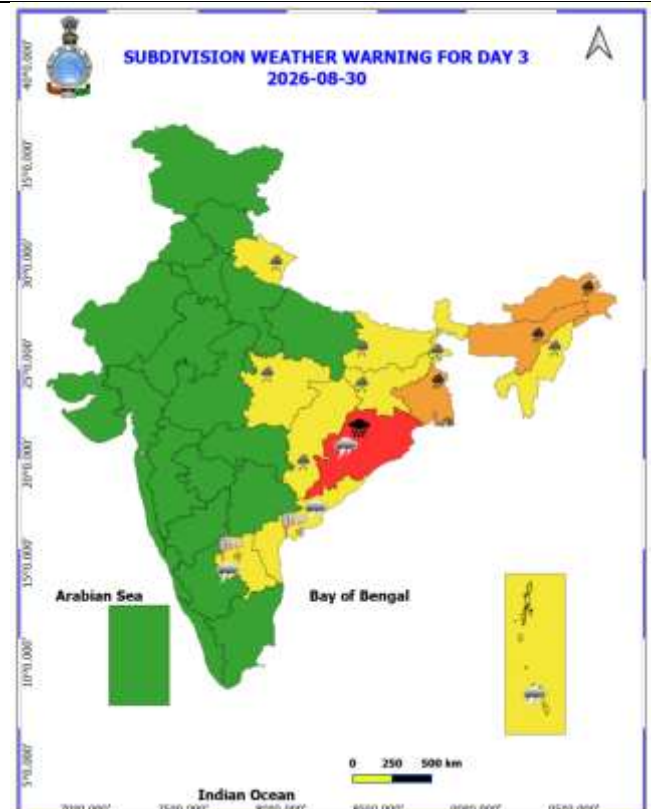
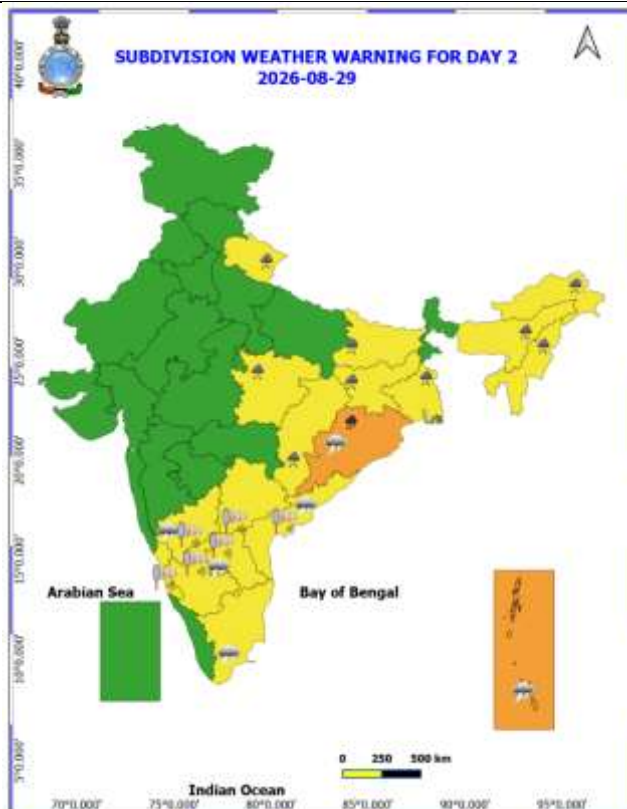
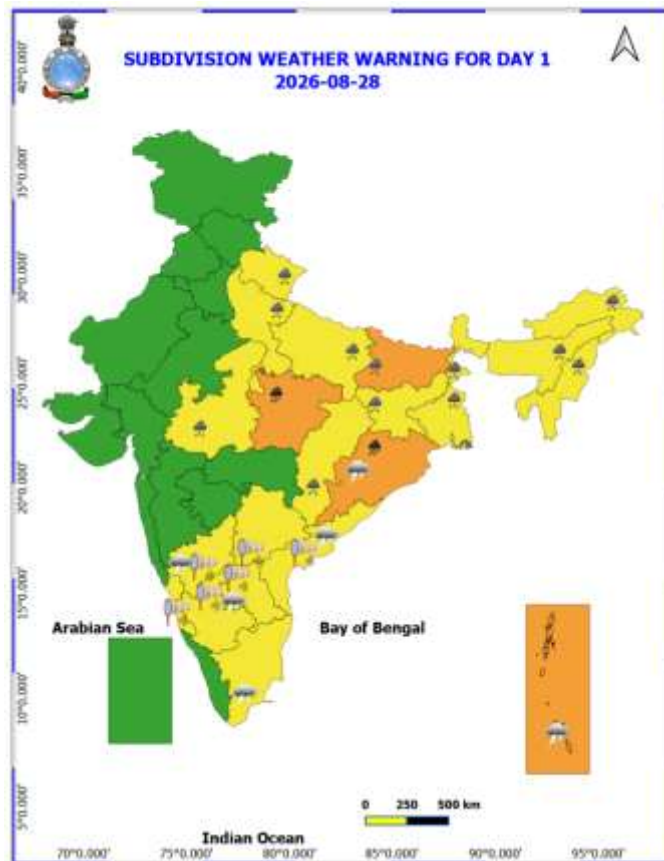
For Fishermen warning refer <https://rsmcnewdelhi.imd.gov.in/fishermenwarning.php>

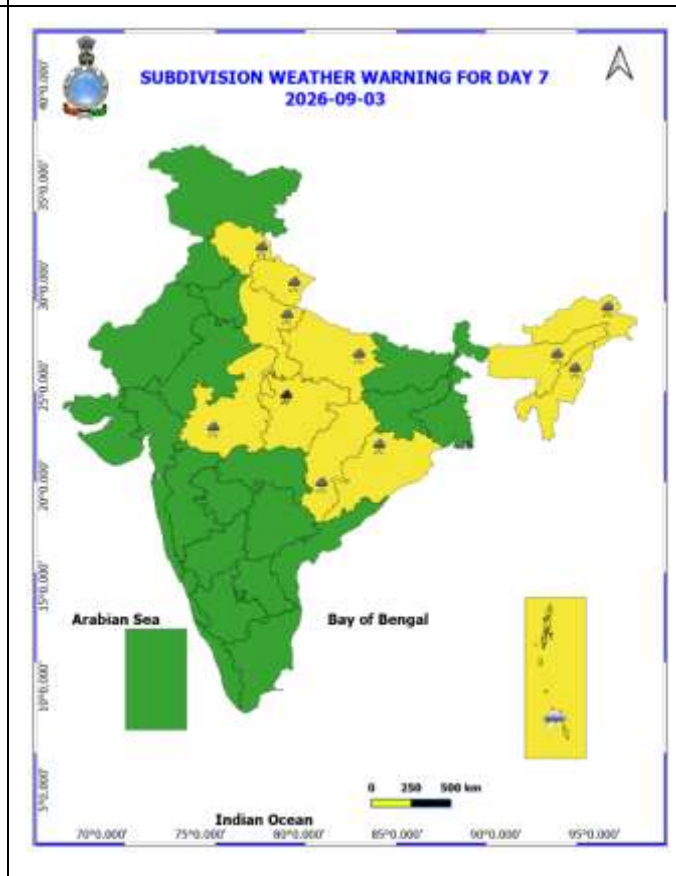
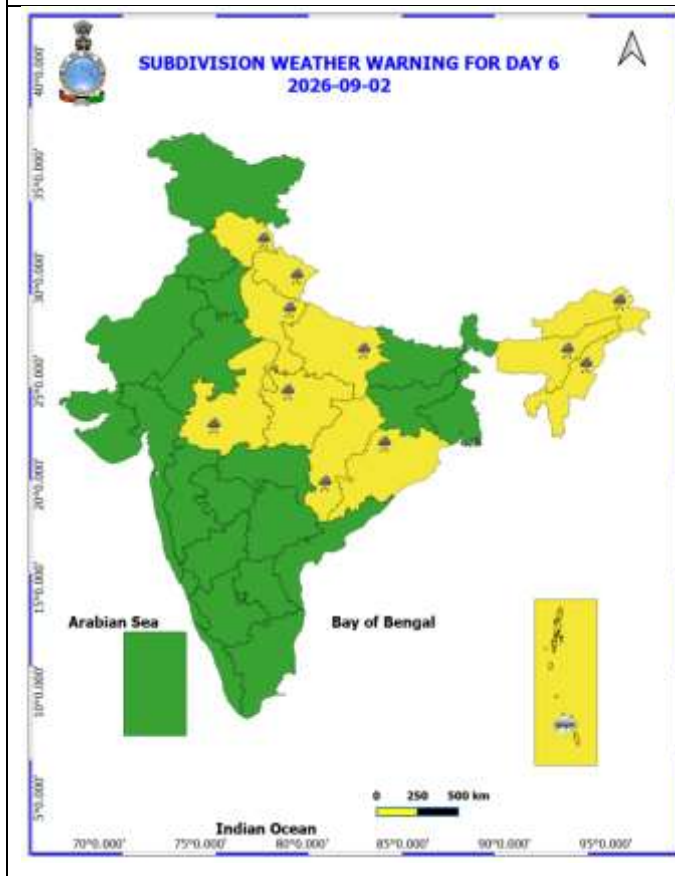
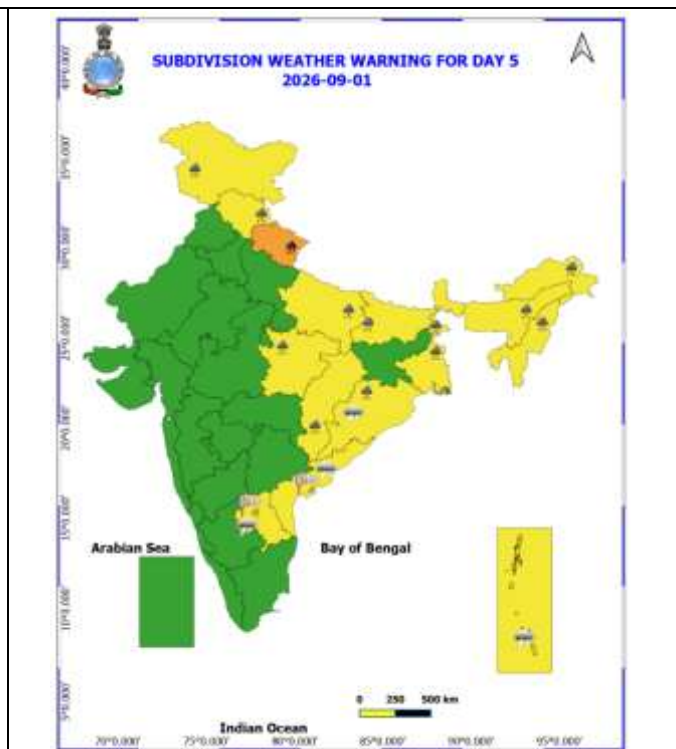
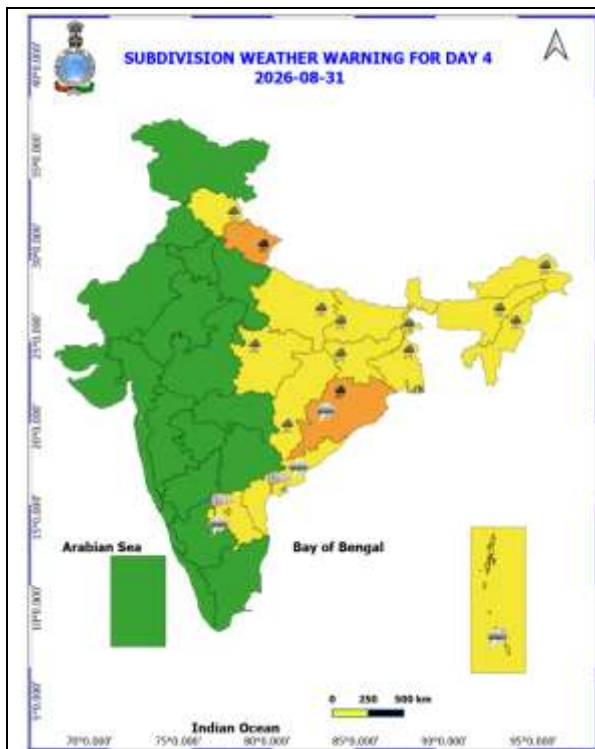
Highest rainfall recorded (> 7 cm) (from 0830 hours IST of yesterday to 0830 hours IST of today over different Meteorological Subdivision):

- ❖ **West Uttar Pradesh:** Rath (Hamirpur) 24
- ❖ **East Madhya Pradesh:** Orchha (Niwari) 16
- ❖ **Mizoram:** District_Agriculture_Office_Venglai 15
- ❖ **Meghalaya:** Ratacherra 12
- ❖ **Uttarakhand:** Dewal 12
- ❖ **East Rajasthan:** Bakani (Jhalawar) 11
- ❖ **West Madhya Pradesh:** Bairad (Shivpuri) 11
- ❖ **Odisha:** Khaira 10
- ❖ **East Uttar Pradesh:** Attarra (Banda) 9
- ❖ **Sub-Himalayan West Bengal & Sikkim:** Buxaduar 9
- ❖ **Chhattisgarh:** Bastar 8
- ❖ **Arunachal Pradesh:** Miao (Cwc) 8
- ❖ **Gangetic West Bengal:** Kharagpur 8
- ❖ **Bihar:** Tedhaganch 8
- ❖ **Jharkhand:** Dumaria 7

As the lead period increases forecast accuracy decrease.

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





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 28th to 31st August 2026**Past Weather:**

There has been rise in maximum temperatures by 1°C and rise in minimum temperatures by 1°C over Delhi during past 24 hours. The maximum temperatures were 33-35°C and the minimum temperatures are in the range 22-28°C respectively during past 24 hours over Delhi. The minimum temperatures are appreciably below normal (-1.6°C to -3.0°C) at isolated places, above normal (1.6°C to 3.0°C) at isolated places and normal (-1.5°C to 1.5°C) at remaining parts of Delhi. The maximum temperatures were above normal (1.6°C to 3.0°C) at isolated places and normal (-1.5°C to 1.5°C) at remaining parts of Delhi. Generally cloudy sky with surface wind speed 20 kmph from the southeast 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 20 kmph gusting to 36 kmph likely to prevail from the west direction during forenoon over the region today.

Weather Forecast:

28.08.2026: Generally cloudy sky. A spell of very light to light rain accompanied with thunderstorm / lightning at many places with moderate rain at isolated places during afternoon to evening. Another spell of very light to light rain at a few places during night. The maximum temperatures over Delhi are likely to be in the range of 34-36°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 west direction with surface wind speed reaching up to 20 kmph during the afternoon. The wind speed will decrease becoming up to 18 kmph from the west direction during evening and night.

29.08.2026: Partly cloudy sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 35°C to 37°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 above normal (1.6°C to 3.0°C) at most places over Delhi. The predominant surface wind is likely to be from the west direction with surface wind speed reaching up to 20 kmph during the morning hours. The wind speed will decrease becoming up to 15 kmph from the west direction during afternoon. The wind speed will increase becoming up to 20 kmph from the west direction during evening and night.

30.08.2026: Partly cloudy sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 35°C to 37°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 above normal (1.6°C to 3.0°C) at most places over Delhi. The predominant surface wind is likely to be from west direction with surface wind speed reaching up to 20 kmph during the morning hours. The wind speed will decrease becoming up to 15 kmph from the southwest direction during afternoon. The wind speed will increase becoming up to 20 kmph from the west direction during evening and night.

31.08.2026: Partly cloudy sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 35°C to 37°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 above normal (1.6°C to 3.0°C) at most places over Delhi. The predominant surface wind is likely to be from the southwest direction with wind reaching up to 20 kmph during the morning hours. The surface wind speed will decrease becoming up to 15 kmph from the southwest direction during afternoon. The wind speed will increase becoming up to 20 kmph from the west direction during evening and night.

Impact Expected and Action Suggested due to very heavy/ extremely heavy rainfall:

- ❖ Isolated extremely heavy rainfall likely over Odisha on 30th August.
- ❖ Moderate to severe lightning activity over Bihar on 28th August.

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 **West Bengal**, keep drainage channels clear in rice, vegetable fields, orchards and nurseries. Protect vegetable seedlings from heavy rain, improve drainage around cucurbits and avoid nitrogen application during wet conditions.
- In **Odisha**, drain excess water from rice, maize, pulses, cotton, pigeon pea, vegetables and nursery beds; keep drainage channels and outlets clear, and postpone sowing, fertilizer application and intercultural operations in waterlogged fields until the soil becomes workable.
- In **Madhya Pradesh**, ensure proper drainage in soybean, cotton, maize and sugarcane fields to prevent waterlogging; postpone vegetable transplanting and provide support to young fruit plants. Undertake propping in sugarcane to minimise lodging.
- In **Chhattisgarh**, ensure continuous and effective drainage in rice, maize, groundnut, minor millets, pulses and vegetable fields to prevent water stagnation. Clean drainage channels in low-lying maize, ginger, turmeric and vegetable fields and provide staking/support to cucurbits, tomato and capsicum.
- In **Vidarbha**, maintain proper drainage in soybean, cotton, maize and other standing crop fields and remove excess rainwater promptly. Postpone fertilizer, plant protection and intercultural operations until the soil becomes workable and provide support to young vegetables and other vulnerable crops against lodging.
- In **East Uttar Pradesh**, ensure proper drainage in standing crop fields and postpone irrigation, intercultural operations, fertilizer and plant-protection applications during wet conditions. Provide staking/support to young plants, vegetables and horticultural crops.
- In **Arunachal Pradesh**, maintain proper drainage in rice, maize, finger millet, soybean, cowpea, vegetables and orchards to remove excess water. Keep millet fields well drained during panicle initiation and flowering and monitor crops for pest and disease incidence.
- In **Assam and Meghalaya**, maintain proper drainage in crop fields and postpone fertilizer and plant-protection applications during rainfall. Continue sowing of pigeon pea, green gram and sesame only where field conditions are suitable and harvest jute at the small-pod stage.
- In **Nagaland**, maintain 3-5 cm water level in wet rice fields and harvest mature maize cobs during suitable weather.
- In **Manipur**, harvest colocasia and mature ginger during rain-free periods and ensure proper drainage in ginger fields.

- In **Mizoram**, prepare fields for sowing black gram, green gram, soybean, sesame and lentil after maize harvest. Ensure drainage in ginger fields and prevent water stagnation to minimise soft-rot and rhizome-rot incidence.
- In **Tripura**, maintain adequate soil moisture in Aus rice during panicle initiation and booting, while ensuring drainage in low-lying groundnut fields to prevent stagnation.
- In **Jharkhand**, maintain proper drainage in all crops and protect vegetable seedlings from heavy rainfall. Keep harvested produce in safe, dry places and monitor rice, maize and red gram for pest and disease incidence.
- In **Bihar**, maintain proper drainage in standing crops and avoid field operations under excessively wet conditions. Maintain appropriate standing water in transplanted rice while avoiding prolonged stagnation.
- In **Uttarakhand**, avoid irrigation in rice where rainfall is adequate and maintain proper drainage in sugarcane and maize fields. Keep drainage channels clear and provide support to tall crops and vegetables to prevent lodging.

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.

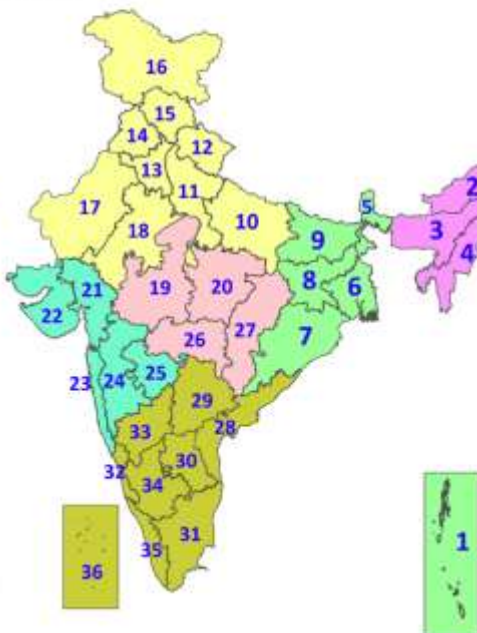
Northeast India: Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.

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)

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