



Government of India
Ministry of Earth Sciences
India Meteorological Department



Press Release

Date: 28th September 2026

Time of Issue: 1320 hours IST

Subject: (i) Under the influence of a depression over north Andaman Sea and adjoining Myanmar coast, isolated heavy rainfall and squally wind speed (50-60) kmph likely over Andaman Islands today, the 28th and 29th September, 2026
(ii) Under the influence of a Western Disturbance, moderate to heavy rainfall likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh, Punjab, Haryana and Chandigarh today, the 28th September, 2026
(iii) Mainly dry weather likely to prevail over many parts of Northwest India from 30th September and over many parts of Central India from 02nd October, 2026.

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

- ❖ **Heavy rainfall (7-11 cm)** has been recorded over Himachal Pradesh, Uttarakhand and West Uttar Pradesh.

Withdrawal of southwest Monsoon:

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

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

- ❖ Yesterday's low pressure area over south coastal Myanmar and neighbourhood; lay as a well marked low pressure area over north Andaman Sea and adjoining Myanmar coast at 1730 hours IST of yesterday, it moved north-north-westward and intensified into a depression over the same region at 0530 hours IST of today. It moved north-northwestwards with a speed of 14 kmph during past 3 hours and lay centred at 0830 hrs IST of today, the 28th September 2026 over the same region near latitude 15.9°N and longitude 97.4°E, about 70km south-southwest of Mawlanyine (Myanmar), 160km southeast of Yangon (Myanmar), 180 km south-southeast of Bago (Myanmar), 480km east-northeast of Coco Island (Myanmar) and 590km northeast of Mayabandar (Andaman Islands, India). It is very likely to intensify into a Deep Depression and cross Myanmar coast between Yangon and Kyaikto around evening/night of today, the 28th September 2026. Thereafter, it is likely to move north-northwestwards along & off Myanmar coast towards northeast Bay of Bengal & adjoining Bangladesh coasts during subsequent 2 days.
- ❖ Yesterdays well marked low pressure area over northern parts of central Uttar Pradesh weakened into a low pressure area at 1730 hours IST of yesterday & has become less marked at 0530 hours of IST of today. The remnant cyclonic circulation lay over East Uttar Pradesh today, the 28th September 2026
- ❖ The **Western Disturbance** seen as a trough in middle and upper tropospheric westerlies in middle tropospheric level roughly along Long. 68°E to the north of Lat. 25°N.
- ❖ An **upper air cyclonic circulation** lies over Northwest Uttar Pradesh & neighbourhood in lower tropospheric level.
- ❖ A **trough** runs from North Interior Karnataka to Tamil Nadu in lower tropospheric level.

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 and Uttarakhand on 28th September.
- ❖ **Isolated to Scattered** rainfall accompanied with thunderstorm lightning likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 29th September and during 2nd-4th October; Himachal Pradesh during 28th-29th September; Uttarakhand during 29th September-4th October.
- ❖ **Isolated to Scattered** rainfall accompanied with thunderstorm lightning likely over East Rajasthan, Haryana Chandigarh & Delhi, Punjab and West Uttar Pradesh during 28th-29th September; East Uttar Pradesh during 28th-30th September; West Rajasthan on 28th September.

- ❖ Isolated **heavy rainfall** likely over Himachal Pradesh on 28th September.
- ❖ Mainly dry weather likely to prevail over many parts of Northwest India from 30th September, 2026.

Central India:

- ❖ **Isolated to Scattered** rainfall accompanied with thunderstorm lightning likely over West Madhya Pradesh during 28th-29th September; East Madhya Pradesh during 28th September-2nd October; Vidarbha during 28th-30th September; Chhattisgarh during 28th September-4th October.

East India:

- ❖ **Fairly Widespread to Widespread** rainfall accompanied with thunderstorm lightning likely over Andaman & Nicobar Islands during 28th-29th September.
- ❖ **Isolated to Scattered** rainfall accompanied with thunderstorm lightning likely over Andaman & Nicobar Islands during 30th September-4th October; Gangetic West Bengal, Jharkhand, Odisha and Sub-Himalayan West Bengal & Sikkim during 28th September-4th October; Bihar during 28th September-1st October.
- ❖ **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Andaman & Nicobar Islands on 28th and 29th September.

Northeast India:

- ❖ **Isolated to Scattered** rainfall likely over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 28th September-4th October.
- ❖ Isolated **thunderstorm & lightning** likely over Arunachal Pradesh on 28th September; Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 28th-30th September.
- ❖ Isolated **heavy rainfall** likely over Arunachal Pradesh during 3rd-4th October; Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 29th-30th September.

West India:

- ❖ **Isolated to Scattered** rainfall likely over Konkan & Goa and Madhya Maharashtra during 28th September-4th October; Marathwada during 28th-29th September; Gujarat Region during 28th September-1st October; Saurashtra & Kutch during 30th September-1st October.
- ❖ Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Madhya Maharashtra on 29th September, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Konkan & Goa on 29th September; Madhya Maharashtra on 28th September and on 30th September.

South Peninsular India:

- ❖ **Isolated to Scattered** rainfall likely over Coastal Andhra Pradesh & Yanam, Lakshadweep, North Interior Karnataka, Rayalaseema and Tamil Nadu, Puducherry & Karaikal during 28th September-4th October; Kerala & Mahe during 28th-30th September; Coastal Karnataka during 28th-30th September and during 3rd-4th October; South Interior Karnataka on 28th September and during 2nd-4th October; Telangana during 28th-29th September and during 2nd-3rd October.
- ❖ **Fairly Widespread to Widespread** rainfall likely over Kerala & Mahe during 1st-4th October; Coastal Karnataka during 1st-2nd October; South Interior Karnataka during 29th September-1st October.
- ❖ Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Tamil Nadu, Puducherry & Karaikal during 28th September-2nd October; Kerala & Mahe during 30th September-2nd October, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Kerala & Mahe during 28th-29th September; North Interior Karnataka during 28th-30th September; South Interior Karnataka during 28th September-1st October; Coastal Andhra Pradesh & Yanam and Rayalaseema during 28th September-2nd October.
- ❖ Isolated **heavy rainfall** likely over Tamil Nadu, Puducherry & Karaikal during 28th September-1st October; Kerala & Mahe during 30th September-3rd October; South Interior Karnataka during 29th September-2nd October.
- ❖ Strong Surface Winds likely over Coastal Andhra Pradesh & Yanam and Rayalaseema during 28th September-2nd October.

Wind warning:

- ❖ Squally weather with wind speed reaching 45-55 kmph gusting to 65 kmph is prevailing over Andaman Sea, along & off Myanmar coast and Andaman Islands. It is very likely to increase becoming 50-60 kmph gusting to 70 kmph by afternoon of today India Meteorological Department (Ministry of Earth Sciences) and 55-65 kmph gusting to 75 kmph from evening of today, 28th September, 2026 till evening of 29th September. It is likely to decrease thereafter.
- ❖ Squally weather with wind speed reaching 40-50 kmph gusting to 60 kmph is prevailing over along & off Myanmar and adjoining areas of Eastcentral Bay of Bengal and likely to increase becoming 50-60 kmph gusting to 70 kmph from evening of today, the 28th September till evening of 29th September. It is likely to decrease becoming 45-55 kmph gusting 65 kmph from 29th night till 30th evening and gradually decrease thereafter.
- ❖ Squally weather with wind speed reaching 40-50 kmph gusting to 60 kmph over northeast Bay of Bengal and along & off Bangladesh coasts during 29th September to 1st October, 2026.

Sea condition

- ❖ Rough to very Rough Sea condition is very likely over Andaman Sea & adjoining areas of Eastcentral Bay of Bengal and along & off Myanmar coast till 29th September evening. Thereafter, rough to very rough sea condition is likely over costal Myanmar and adjoining areas of Eastcentral till 30th September evening.
- ❖ Rough to very Rough Sea Condition is likely along & off Myanmar - Bangladesh coasts & adjoining areas of northeast Bay of Bengal during 29th September to 1st October, 2026.

Fishermen warnings:

- ❖ Fishermen are advised not to venture into Andaman Sea & adjoining areas of southeast Bay of Bengal and along & off Myanmar coast till 28th September evening and along & off Myanmar coast and adjoining areas of Eastcentral Bay of Bengal from 28th evening to 30th September evening and along & off Bangladesh coast & adjoining areas of northeast Bay of Bengal during 29th September to 1st October, 2026.

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

For more details, kindly refer National Weather Bulletin:

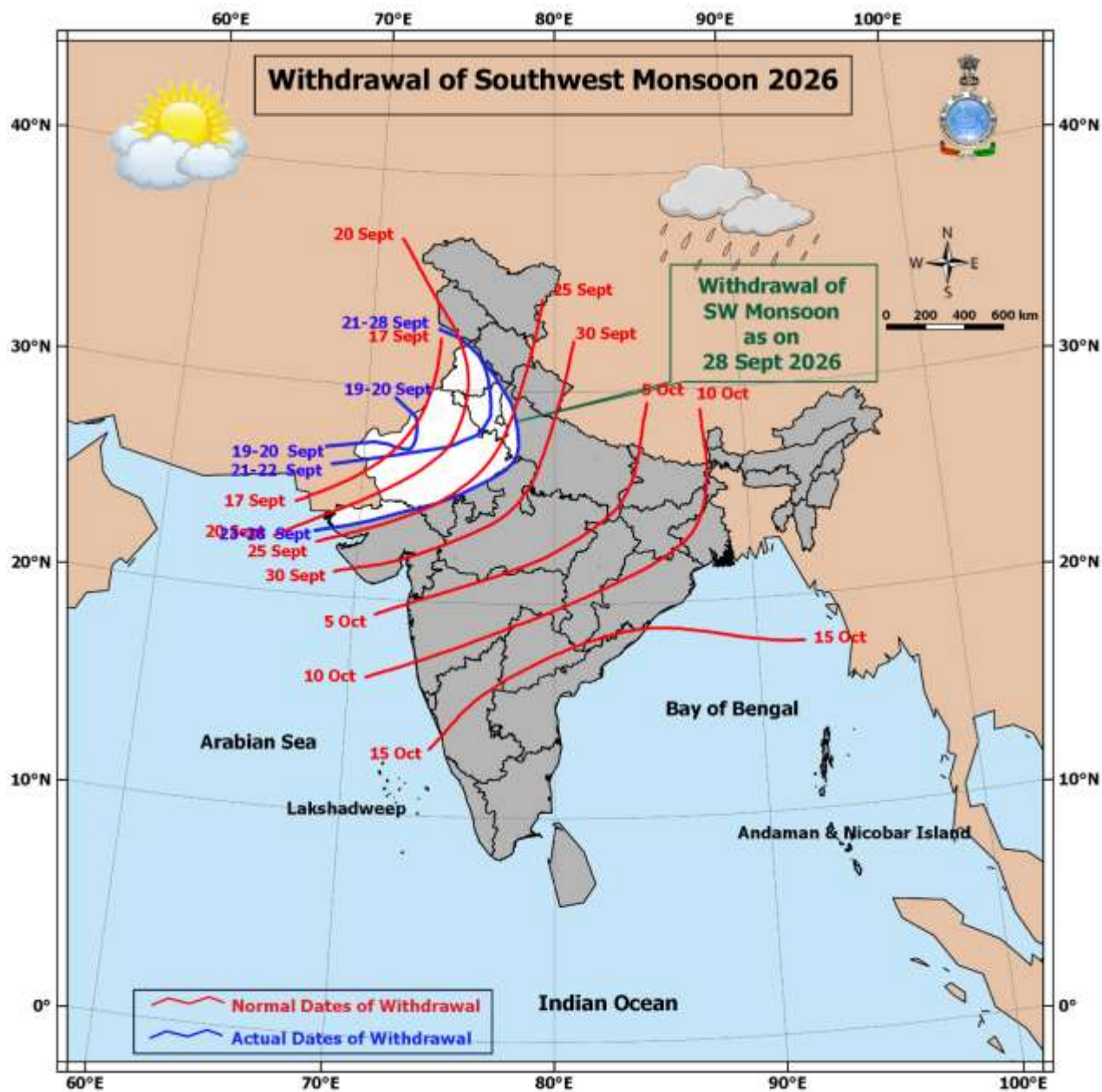
https://mausam.imd.gov.in/responsive/all_india_forecast_bulletin.php

For District wise warnings refer: <https://mausam.imd.gov.in/responsive/districtWiseWarningGIS.php>

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

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

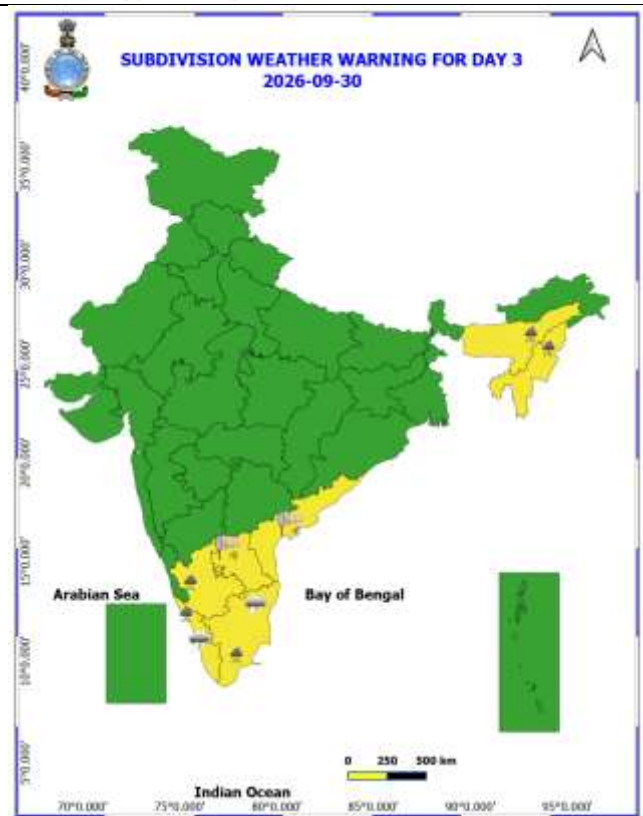
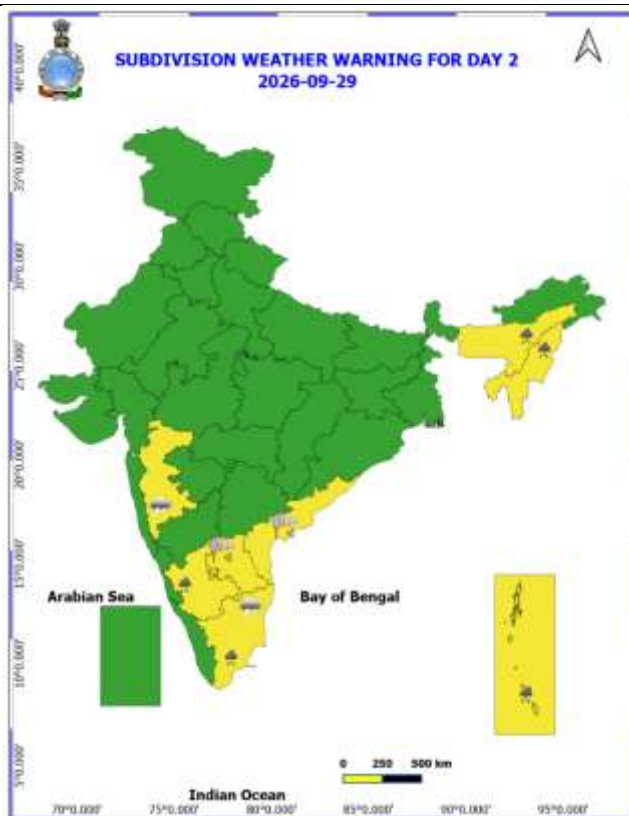
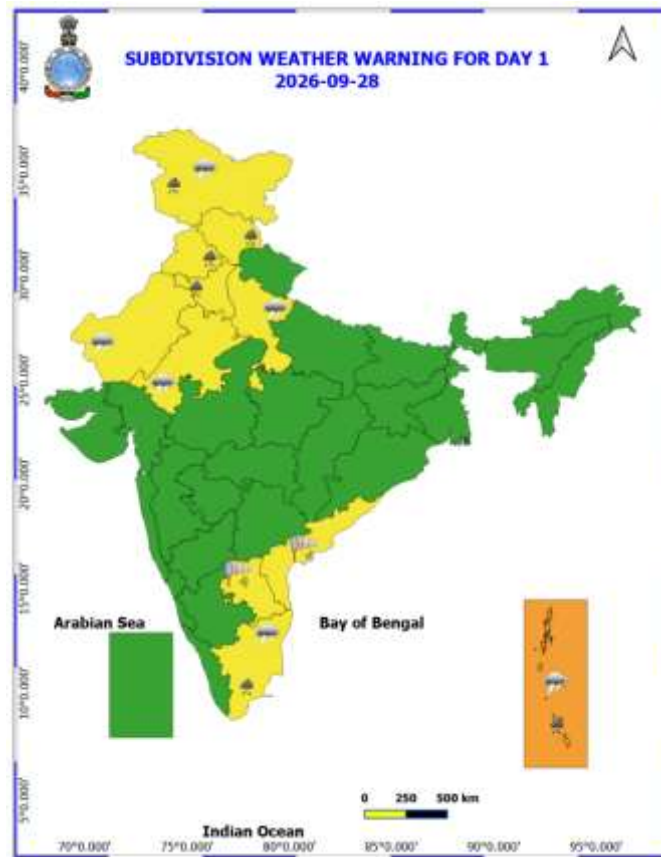
- ❖ **West Uttar Pradesh:** Chandpur (dist Bijnor), Dhampur (dist Bijnor), Nagina (dist Bijnor) 9 Each; Bijnor (dist Bijnor) 8; Nauganva Sadat (dist Amroha), Kanth (dist Moradabad), Hasanpur (dist Amroha) 7 Each;
- ❖ **Himachal Pradesh:** Kangra AP (dist Kangra) 7;
- ❖ **Uttarakhand:** Purola (dist Uttarkashi), Keertinagar (dist Garhwal Tehri), Barkot (dist Uttarkashi) 7 Each.

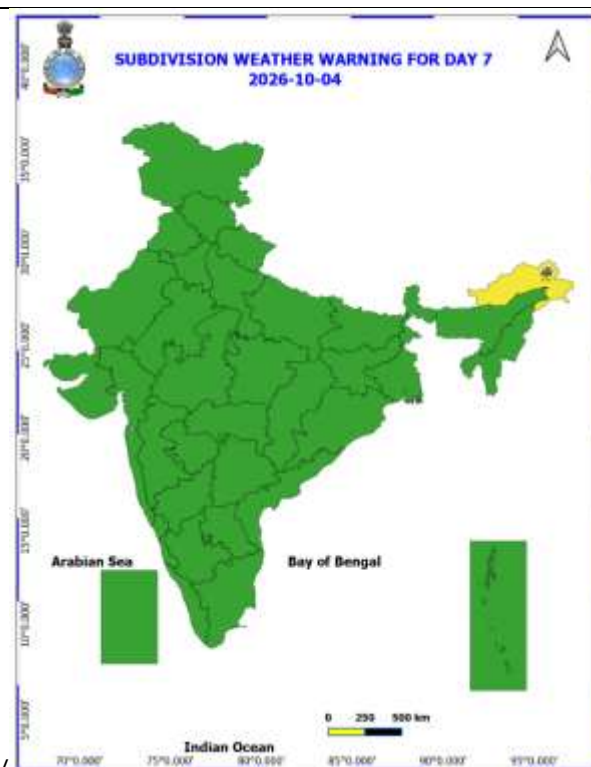
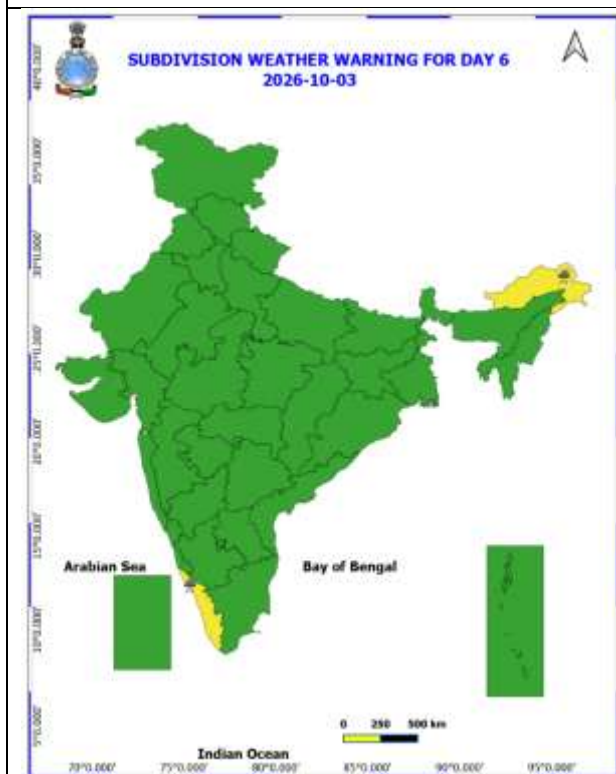
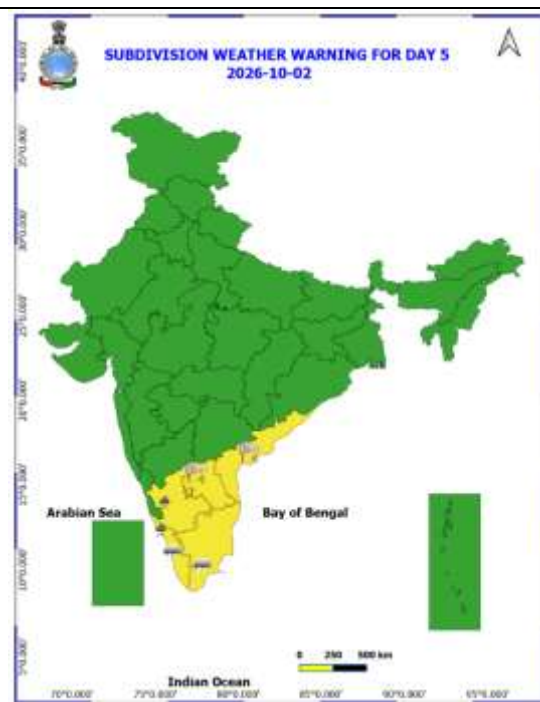
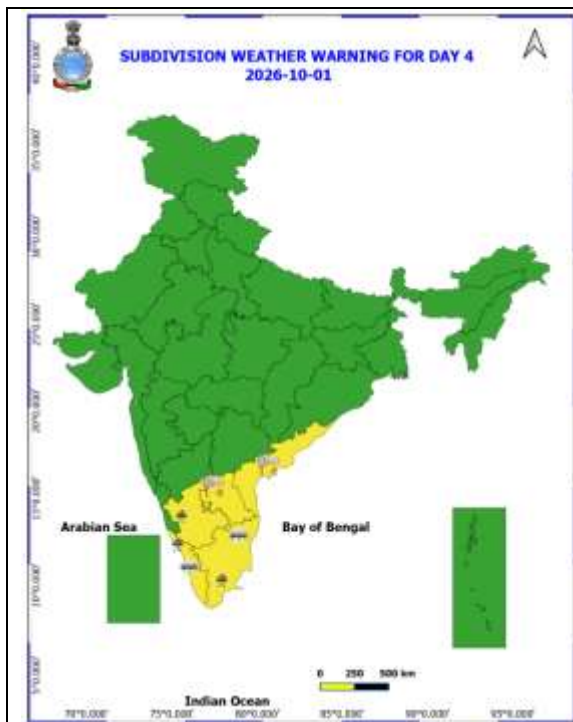


Annexure II

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

As the lead period increases forecast accuracy decrease.





Action may be taken based on ORANGE AND REDCOLOUR warnings.

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

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

Weather forecast over Delhi/NCR during 28th September-01st October 2026**Past Weather:**

There has been rise in maximum temperatures by 1-2°C and rise in minimum temperatures by 1-2°C over Delhi during the past 24 hours. The maximum temperatures were around 29-31°C and the minimum temperatures are in the range 19-23°C respectively during past 24 hours over Delhi. The minimum temperatures are appreciably below normal (-3.1°C to -5.0°C) at a few places and normal (-1.5°C to 1.5°C) over remaining parts of Delhi. The maximum temperatures were markedly below normal (-5.1°C or less) at isolated places, appreciably below normal (-3.1°C to -5.0°C) at many places and below normal (-1.6°C to -3.0°C) over remaining parts of Delhi. Generally cloudy sky with surface wind speed 22 kmph from the northeast direction prevailed over Delhi during past 24 hours. Generally cloudy sky with surface wind speeds up to 15 kmph from the southwest direction likely to prevail during forenoon over the region today.

Weather Forecast:

28.09.2026: Generally cloudy sky. One or two spells of very light to light rain at many places with moderate rain at isolated places accompanied with thunderstorm/ lightning/ strong wind speed (30-40) gusting to 50 kmph during forenoon to afternoon. The maximum temperatures over Delhi are likely to be in the range of 28-30°C. The maximum temperatures will be appreciably below normal (-3.1°C to -5.0°C) at many places and markedly below normal (-5.1°C or less) at isolated places over Delhi. The predominant surface wind is likely to be from the northeast direction with surface wind speed reaching up to 20 kmph during the afternoon. The surface wind speed will decrease becoming up to 15 kmph from the northeast direction during evening and night hours.

29.09.2026: Partly cloudy sky. 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 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 15 kmph during the morning hours. The surface wind speed will increase becoming up to 20 kmph from the northwest direction during afternoon. The surface wind speed will decrease becoming up to 15 kmph from the southwest direction during evening and night hours.

30.09.2026: Mainly clear sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 32°C to 34°C and 22°C to 24°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 isolated places with near normal (-1.5°C to 1.5°C) at many places over Delhi. The predominant surface wind is likely to be from the northwest direction with wind speed reaching up to 15 kmph during the morning hours. The surface wind speed will increase becoming up to 20 kmph from the northwest direction during afternoon. The surface wind speed will decrease becoming up to 15 kmph from the northwest direction during evening and night hours.

01.10.2026: Mainly clear sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 33°C to 35°C and 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 northwest direction with wind speed reaching up to 15 kmph during the morning hours. The surface wind speed will increase becoming up to 25 kmph from the northwest direction during afternoon. The surface wind speed will decrease becoming up to 20 kmph from the northwest direction during evening and night hours.

Impact Expected and Action Suggested due to very heavy rainfall:

- ❖ **Isolated heavy rainfall and squally wind speed (50-60) kmph likely over Andaman Islands today, the 28th and 29th September, 2026.**
- ❖ **Moderate to heavy rainfall likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh, Punjab and Haryana Chandigarh today, the 28th 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 kutch houses/walls, huts and roads due to heavy rain.
- ❖ Loose objects may fly.
- ❖ Small ships, trawlers and boats may be affected.
- ❖ Road and rail traffic may be affected due to heavy rain and squally winds.
- ❖ There could be localised landslides, mudslides, landslips, water logging, inundation and flooding over low lying areas.
- ❖ Occasional reduction in visibility due to heavy rainfall.
- ❖ Helicopter services may get affected.

Action suggested:

- ❖ People are advised to keep a watch on the weather for worsening conditions and be ready to move to safer places accordingly.
- ❖ Take safe shelters; do not take shelter under trees, as there could be lightning.
- ❖ In case of expected lightning, unplug electrical/ electronic appliances, immediately, get out of water bodies and keep away from all the objects that conduct electricity.
- ❖ Tourism and recreational activities to be regulated.
- ❖ Onshore and offshore activities to be judiciously regulated.
- ❖ Helicopter services to be regulated.

Agromet advisories for likely impact of Heavy Rainfall

- In **Tamil Nadu**, drain excess water from standing crop fields and avoid fertilizer and pesticide applications during rainfall, particularly where heavy rainfall was received yesterday. Provide support to banana plants and prop sugarcane against lodging.
- In **South Interior Karnataka**, Protect harvested produce by keeping it in safe, covered storage, and secure farm structures and equipment. Postpone irrigation, intercultural operations and application of plant protection measures & fertilizers to the standing crops. Provide adequate drainage in standing crop fields to avoid waterlogging.
- In **Andaman & Nicobar**, provide mechanical support to banana & papaya plantations and staking to young plants and vegetables. Provide adequate drainage in standing crop fields to avoid waterlogging.
- In **Assam & Meghalaya**, drain excess water from maize, black gram, green gram and sesame fields and keep drainage channels clear. Maintain suitable water levels in rice, support papaya, banana and weak-stemmed crops, and harvest pumpkins and bottle gourd before the rains wherever possible.
- 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 **Himachal Pradesh**, postpone irrigation, intercultural operations and application of plant protection measures & fertilizers to the standing crops. Provide adequate drainage in standing crop fields to avoid waterlogging

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.

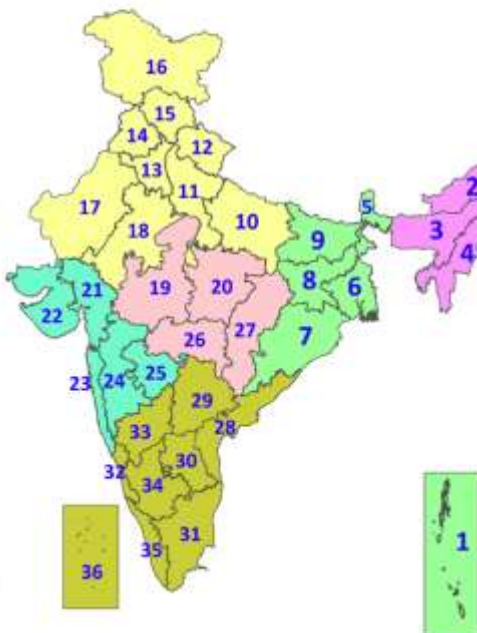
Northeast India: Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.

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
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