



Government of India
Ministry of Earth Sciences
India Meteorological Department



Press Release
Date: 27th September 2026
Time of Issue: 1320 hours IST

Subject: (i) Under the influence of Well-Marked Low Pressure area over northern parts of central Uttar Pradesh, isolated heavy to very heavy rainfall likely over Uttarakhand & West Uttar Pradesh and isolated heavy rainfall over east Uttar Pradesh today, 27th September 2026.
(ii) Under the influence of upper air cyclonic circulation over central Thailand & adjoining Myanmar, a fresh Low Pressure Area formed over south coastal Myanmar & neighbourhood today, 27th September.

Realised weather during past 24 hours ending at 0830 hours IST of today, the 27th September, 2026:

- ❖ Exceptionally heavy rainfall (≥ 30 cm) has been recorded over East Uttar Pradesh.
- ❖ Very Heavy rainfall (12-20 cm) has been recorded over Uttarakhand, West Uttar Pradesh and Bihar.
- ❖ Heavy rainfall (7-11 cm) has been recorded over Himachal Pradesh, Odisha and Chhattisgarh.

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 **Depression** over Northeast Madhya Pradesh & adjoining north Chhattisgarh weakened into a **Well-Marked Low Pressure area** over northern parts of central Uttar Pradesh at 0530 hrs IST and persisted over the same region at 0830 hrs IST of today, the 27th September 2026. It is very likely to move north-northwestwards across Uttar Pradesh and weaken gradually into a **Low Pressure Area** during next 12 hours.
- ❖ The **Western Disturbance** as a trough in middle & upper tropospheric levels runs roughly along Long. 72°E to the north of Lat. 24°N.
- ❖ An **upper air cyclonic circulation** lies over northeast Assam & neighbourhood in lower tropospheric level.
- ❖ Under the influence of **upper air cyclonic circulation** over central Thailand & adjoining Myanmar, a **Low Pressure Area** formed over south coastal Myanmar & neighbourhood at 0530 hrs IST and persisted over the same region at 0830 hrs IST of today, the 27th September 2026. It is likely to emerge into north Andaman Sea and adjoining Irrawaddy delta of Myanmar during next 24 hours and move north-northwestwards along and off Myanmar-Bangladesh coasts towards northeast Bay of Bengal & adjoining Bangladesh during subsequent 2 days.
- ❖ A **north-south trough** runs from Bihar to Westcentral Bay of Bengal 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 Himachal Pradesh on 27th September; Uttarakhand during 27th-28th September.
- ❖ **Isolated to Scattered** rainfall accompanied with thunderstorm & lightning likely over rest parts of northwest India.
- ❖ Isolated **heavy rainfall** likely over East Uttar Pradesh, Himachal Pradesh on 27th September; Uttarakhand on 28th September with isolated **very heavy rainfall** also likely over and West Uttar Pradesh and Uttarakhand on 27th September.

Central India:

- ❖ **Isolated to Scattered** rainfall likely over West Madhya Pradesh during 27th-30th September; East Madhya Pradesh during 27th September-1st October; Vidarbha during 27th September-2nd October; Chhattisgarh during 27th September-3rd October.

- ❖ Isolated **thunderstorm & lightning** likely over West Madhya Pradesh during 28th-30th September; East Madhya Pradesh during 27th September-1st October; Chhattisgarh on 28th September.

East India:

- ❖ **Fairly Widespread to Widespread** rainfall accompanied with thunderstorm & lightning likely over Andaman & Nicobar Islands during 27th-29th September.
- ❖ **Isolated to Scattered** rainfall accompanied with thunderstorm & lightning likely over Andaman & Nicobar Islands during 30th September-3rd October; Gangetic West Bengal, Jharkhand, Odisha and Sub-Himalayan West Bengal & Sikkim during 27th September-3rd October; Bihar during 27th September-1st October.
- ❖ Isolated **heavy rainfall** likely over Andaman & Nicobar Islands during 27th-28th September; Bihar on 27th September.
- ❖ **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Andaman & Nicobar Islands during 27th-28th September.

Northeast India:

- ❖ **Isolated to Scattered** rainfall likely over Arunachal Pradesh during 27th September-3rd October; Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 27th-29th September and during 1st-3rd October.
- ❖ **Fairly Widespread to Widespread** rainfall likely over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura on 30th September.
- ❖ Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Assam & Meghalaya during 28th-30th September; Nagaland, Manipur, Mizoram & Tripura during 28th September-1st October.
- ❖ Isolated **thunderstorm & lightning** likely over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura on 27th September.
- ❖ Isolated **heavy rainfall** likely over Arunachal Pradesh on 30th September; Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 29th-30th September.

West India:

- ❖ **Isolated to Scattered** rainfall likely over Gujarat Region, Konkan & Goa and Madhya Maharashtra during 27th September-3rd October; Marathwada during 27th-29th September; Saurashtra & Kutch during 30th September-3rd 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 Madhya Maharashtra on 28th September and on 30th September; Marathwada on 28th September.
- ❖ Isolated **thunderstorm & lightning** likely over Konkan & Goa during 29th-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 27th September-3rd October; Kerala & Mahe during 27th-30th September; Coastal Karnataka during 27th-28th September; South Interior Karnataka and Telangana during 27th-28th September and during 2nd-3rd October.
- ❖ **Fairly Widespread to Widespread** rainfall likely over Kerala & Mahe during 1st-3rd October; Coastal Karnataka during 29th September-3rd 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 27th September-1st October, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Kerala & Mahe during 29th September-1st October; North Interior Karnataka and South Interior Karnataka during 29th-30th September; Coastal Andhra Pradesh & Yanam and Rayalaseema during 27th September-1st October; Telangana during 27th-28th September.
- ❖ Isolated **heavy rainfall** likely over Tamil Nadu, Puducherry & Karaikal during 29th September-1st October; Kerala & Mahe during 30th September-3rd October; South Interior Karnataka during 28th September-1st October.
- ❖ Strong Surface Winds likely over Coastal Andhra Pradesh & Yanam and Rayalaseema during 27th September-1st October.

Fishermen warnings:

- ❖ Arabian Sea: Along and off Somalia coasts, few parts of southwest Arabian Sea during 27th to 29th September.
- ❖ Bay of Bengal: Over north Andaman Sea and south Myanmar coast till 29th September; along & off north Myanmar coast adjoining few parts of eastcentral and northeast Bay of Bengal on 28th September; along & off north Myanmar and Bangladesh coast adjoining few parts of eastcentral and many parts of northeast Bay of Bengal on 29th September.

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):

- ❖ **East Uttar Pradesh:** Kaimganj (dist Farrukhabad) 32, Birdghat (dist Gorakhpur) 23, Nighasan (dist Kheri) 19, Trimohani Ghat Fmo (dist Maharajganj) 19, Gorakhpur (dist Gorakhpur) 18, Chanderdeepghat (dist Gorakhpur) 16, Tulasipur (dist Balrampur) 15, Fatehgarh Cwc (dist Farrukhabad) 15, Nichlaul (dist Maharajganj) 15, Bansi Tehsil (dist Siddharth Nagar) 14, Dabri Fmo (dist Farrukhabad) 13, Ankinghat (dist Kanpur City) 12, Muhammadi (dist Kheri) 12, Basti Cwc (dist Basti) 12, Nautanwa (dist Maharajganj) 11, Akbarpur (dist Ambedkar Nagar) 11, Pharenda (dist Maharajganj) 11, Kannauj(t) (dist Kannauj) 11, Kannauj (dist Kannauj) 11, Kakrahi (dist Siddharth Nagar) 11, Tanda (dist Ambedkar Nagar) 11, Ayodhya Fmo (dist Ayodhya) 10, Tirwa (dist Kannauj) 10, Katarniaghat (dist Bahraich) 9, Bansi Cwc (dist Siddharth Nagar) 9, Shoharatgarh (dist Siddharth Nagar) 9, Mukhlispur (dist Sant Kabir Nagar) 9, Balrampur (dist Balrampur) 8, Chillaghat (dist Banda) 8, Chhibramau (dist Kannauj) 8, Uska Bazar Fmo (dist Siddharth Nagar) 8, Kaiserganj (dist Bahraich) 8, Palliakalan (dist Kheri) 8, Regoli (dist Gorakhpur) 7, Lucknow (hs) (dist Lucknow) 7, Mahsi (dist Bahraich) 7, Azamgarh (dist Azamgarh) 7, Naugarh (dist Siddharth Nagar) 7, Dhaurahara (dist Kheri) 7, Shardanagar (dist Kheri) 7, Rudhauli (dist Basti) 7, Gonda Cwc (dist Gonda) 7, Bhatpurwaghat (dist Sitapur) 7, Nawabganj Tehsil (dist Barabanki) 7;
- ❖ **Bihar:** Tribeni/balmikinagar (dist West Champaran) 19, Sonbarsa (dist Sitamarhi) 19, Mainatand (dist West Champaran) 17, Madhubani (dist West Champaran) 11, Raghunathpur (dist Siwan) 10, Piprahi (dist Sheohar) 10, Dhengbridge (dist Sitamarhi) 9, Laukahi (dist Madhubani) 9, Siwan (dist Siwan) 9, Chanpatia (dist West Champaran) 9, Ramnagar (dist West Champaran) 9, Sikta (dist West Champaran) 9, Piparsi (dist West Champaran) 9, Siwan Sadar (dist Siwan) 9, Nautan (dist Siwan) 9, Purnahia (dist Sheohar) 9, Pachdeuri (dist Gopalganj) 8, Yogapatti (dist West Champaran) 8, Lauria Nandargarh (dist West Champaran) 8, Bagaha (dist West Champaran) 8, Sheohar (dist Sheohar) 8, Saraigarh Bhaptiyahi (dist Supaul) 8, Dumra (dist Sitamarhi) 8, Riga (dist Sitamarhi) 7, Areraj (dist East Champaran) 7, Ziradei (dist Siwan) 7, Sursand (dist Sitamarhi) 7, Khutauna (dist Madhubani) 7, Rahghopur (dist Supaul) 7, Thakrahan (dist West Champaran) 7, Danapur (dist Patna) 7, Ghoghardiha (dist Madhubani) 7, Suppi (dist Sitamarhi) 7, Phulparas (dist Madhubani) 7, Mejorganj (dist Sitamarhi) 7, Bagaha One (dist West Champaran) 7,
- ❖ **West Uttar Pradesh:** Bilari (dist Moradabad) 18, Bareilly Cwc (dist Bareilly) 17, Aonla (dist Bareilly) 17, Bareilly Pbo (dist Bareilly) 17, Moradabad Cwc (dist Moradabad) 16, Baheri (dist Bareilly) 16, Sahawar (dist Kasganj) 15, Sahabad (dist Rampur) 15, Moradabad (dist Moradabad) 14, Sambhal (dist Sambhal) 14, Dhampur (dist Bijnor) 14, Nagina (dist Bijnor) 13, Aliganj (dist Etah) 13, Chandpur (dist Bijnor) 12, Kasganj (dist Kasganj) 12, Moradabad Obsy (dist Moradabad) 12, Bilaspur (dist Rampur) 11, Bhogaon (dist Mainpuri) 11, Mirganj (dist Bareilly) 11, Puwayan (dist Shahjahanpur) 10, Amroha (dist Amroha) 10, Nawabganj (dist Bareilly) 10, Chandausi (dist Sambhal) 9, Thakurdwara (dist Moradabad) 9, Bijnor (dist Bijnor) 9, Naunganva Sadat (dist Amroha) 9, Narora (dist Bulandshahar) 9, Bisalpur (dist Pilibhit) 9, Faridpur (dist Bareilly) 9, Shahjahanpur Obsy (dist Shahjahanpur) 9, Shahjahanpur (t) (dist Shahjahanpur) 9, Tilhar (dist Shahjahanpur) 8;
- ❖ **Uttarakhand:** Champawat (dist Champawat) 16, Karnaprayag (dist Chamoli) 15, Betalghat (dist Nainital) 14, Mukteshwar (dist Nainital) 13, Jaspur (dist Udham Singh Nagar) 13, Kashipur (dist Udham Singh Nagar) 13, Rudraprayag (dist Rudraprayag) 12, Gairsain (dist Chamoli) 11, Landsdown (dist Garhwal Pauri) 11, Pantnagar (dist Udham Singh Nagar) 11, Loharkhet (dist Bageshwar) 10, Khatima (dist Udham Singh Nagar) 10, Haldwani (dist Nainital) 10, Pithoragarh (dist Pithoragarh) 9, Ranikhet (g) (dist Almora) 9, Kotdwara (dist Garhwal Pauri) 9, Ganganagar (dist Rudraprayag) 9, Someshwar (dist Almora) 9, Deoprayag (dist Garhwal Tehri) 9, Sama (dist Bageshwar) 8, Almora (dist Almora) 8, Keertinagar (dist Garhwal Tehri) 8, Chaukhutia (dist Almora) 8, Chamoli (dist Chamoli) 8, Banbasa (dist Champawat) 8, Pauri (dist Garhwal Pauri) 8, Jakholi (dist Rudraprayag) 7, Dwarhat (dist Almora) 7, Berinag (dist Pithoragarh) 7, Srinagar (dist Garhwal Pauri) 7, Kapkot (dist Bageshwar) 7, Bhatwari (dist Uttarkashi) 7, Ukhimath (dist Rudraprayag) 7;
- ❖ **Himachal Pradesh:** Sangla (dist Kinnaur) 7;
- ❖ **Chhattisgarh:** Rengakhar Kala (dist Kabirdham) 7
- ❖ **Odisha:** Naraj (dist Cuttack), Mundali (dist Cuttack) 7 Each.

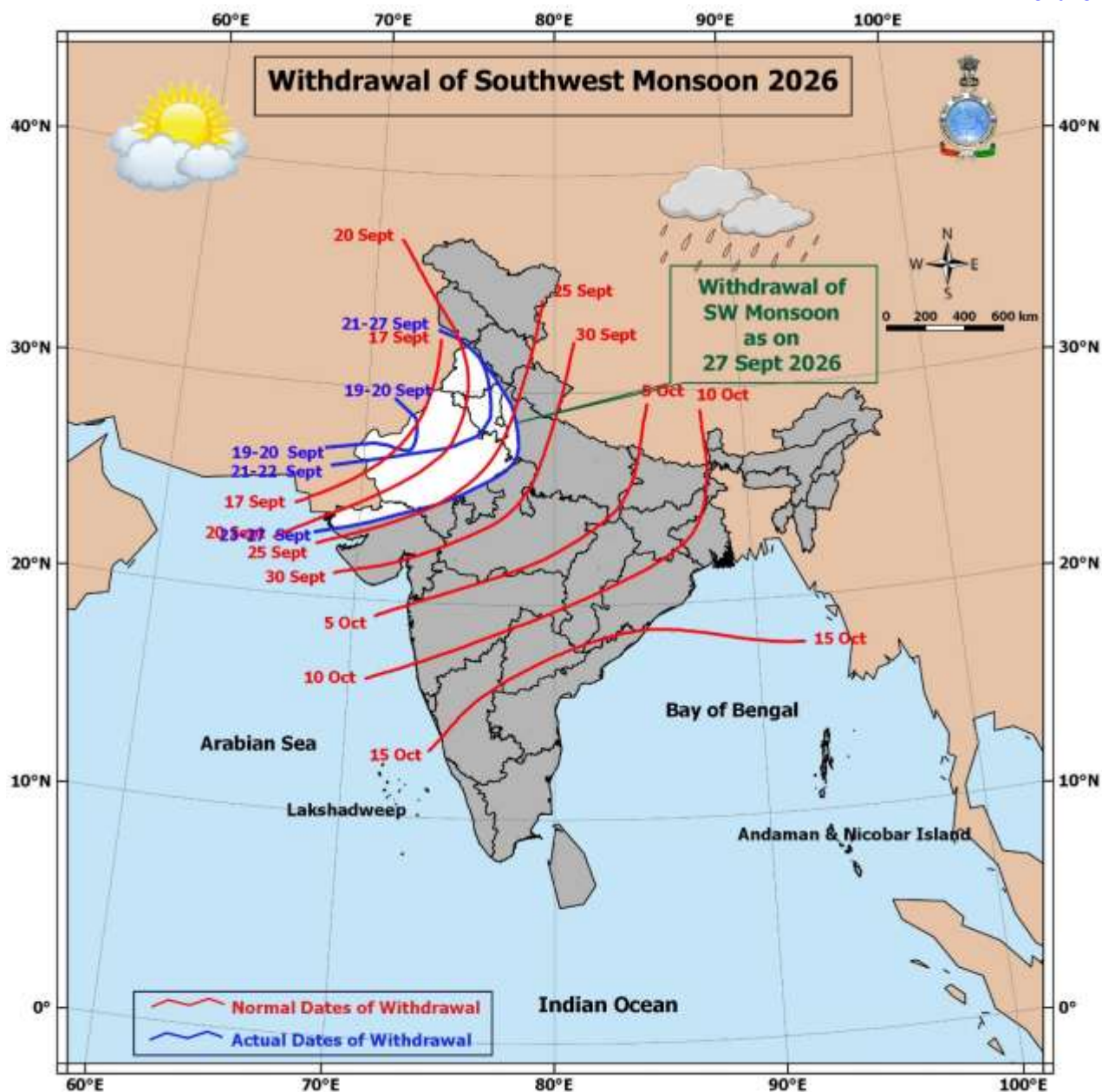
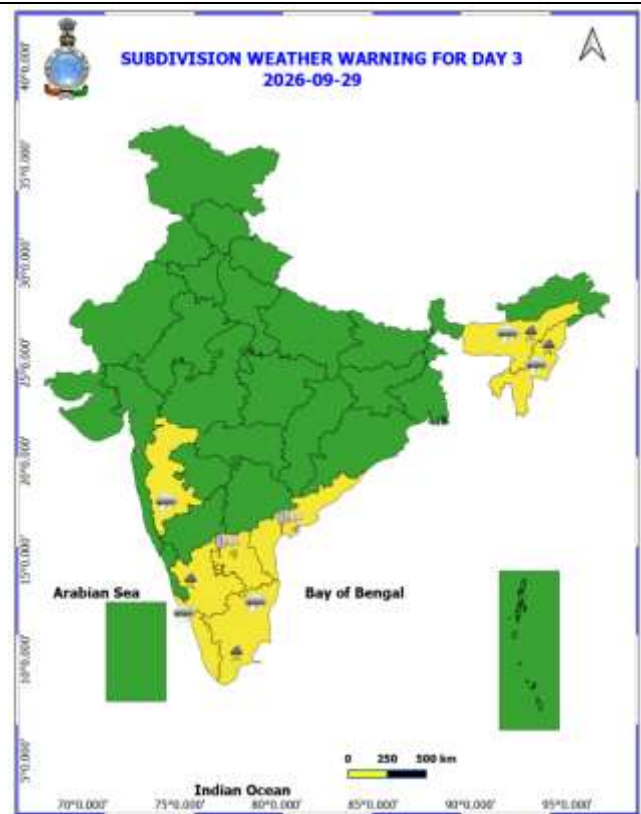
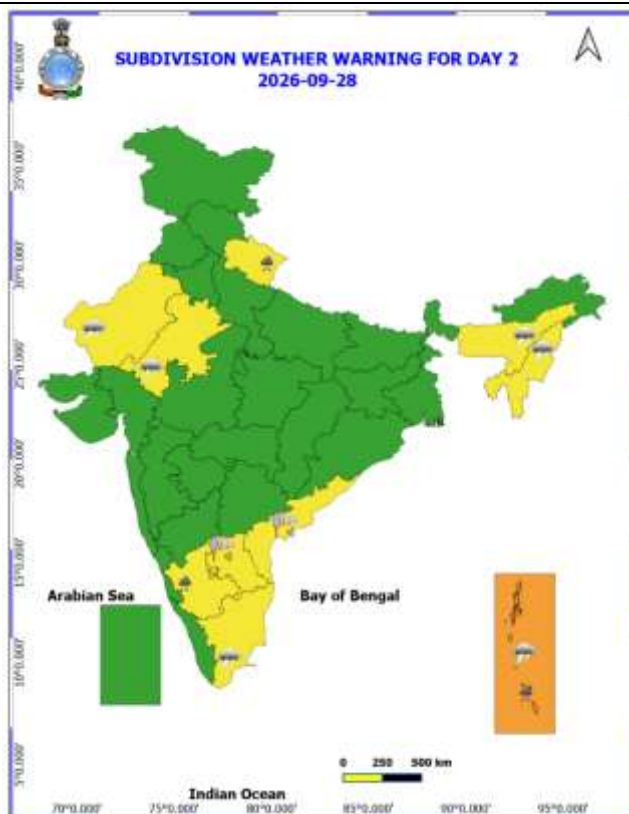
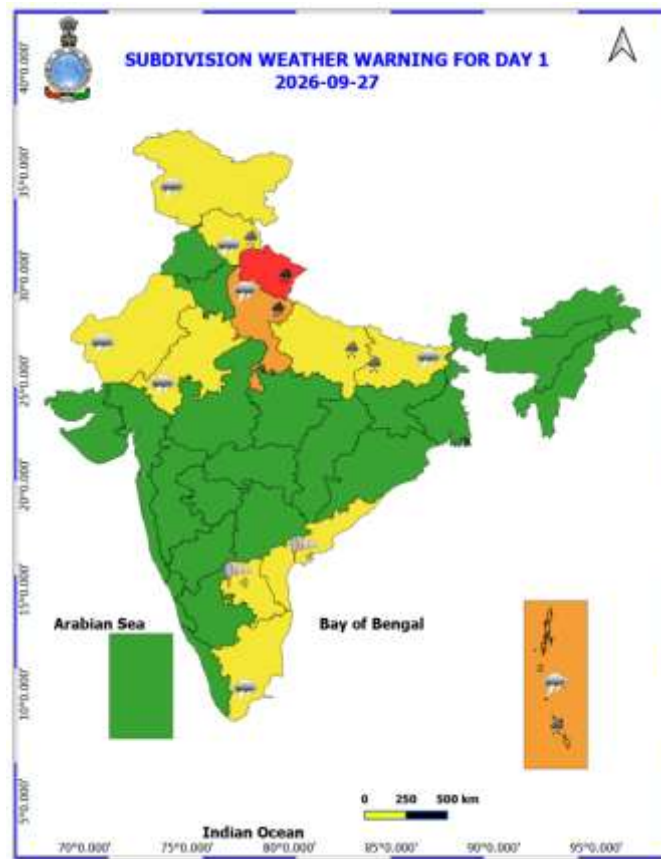
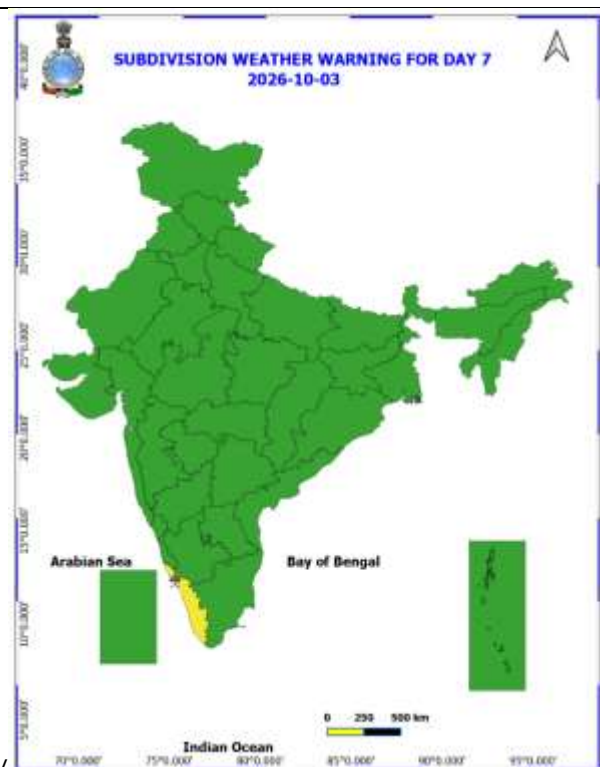
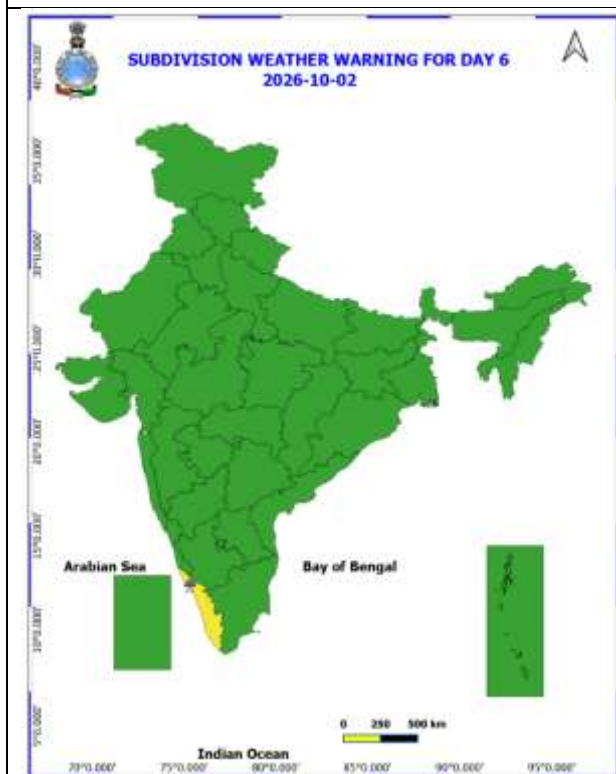
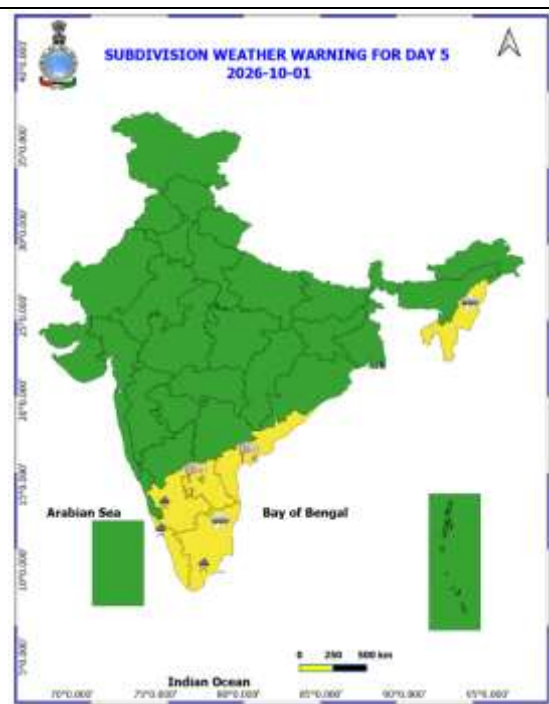
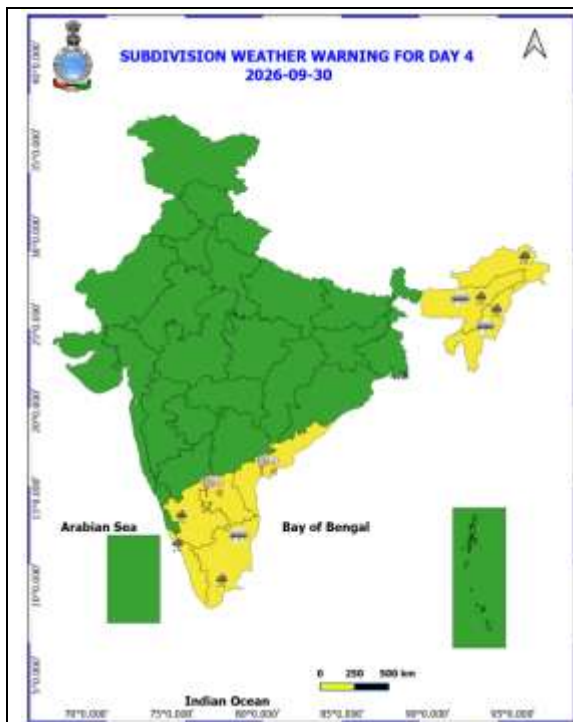


Table-1								
7 Days Rainfall Forecast								
S.No.	Subdivision	27- Sep	28- Sep	29- Sep	30- Sep	1- Oct	2- Oct	3- Oct
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	FWS	FWS	FWS	SCT	ISOL	ISOL	ISOL
2	ARUNACHAL PRADESH	ISOL	ISOL	ISOL	SCT	SCT	SCT	SCT
3	ASSAM & MEHGHALAYA	ISOL	ISOL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

There has been fall in maximum temperatures by 3-4°C and fall in minimum temperatures by 1-2°C over Delhi during the past 24 hours. The maximum temperatures were around 28-29°C and the minimum temperatures are in the range 17-21°C respectively during past 24 hours over Delhi. The minimum temperatures are markedly below normal (-5.1°C or less) at isolated places, appreciably below normal (-3.1°C to -5.0°C) at isolated places and below normal (-1.6°C to -3.0°C) over remaining parts of Delhi. The maximum temperatures were markedly below normal (-5.1°C or less) at many places and appreciably below normal (-3.1°C to -5.0°C) over remaining parts of Delhi. Generally cloudy sky with surface wind speed 22 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 over Delhi during past 24 hours. Generally cloudy sky with surface wind speeds up to 15 kmph from the northeast direction likely to prevail during forenoon over the region today.

Weather Forecast:

27.09.2026: Generally cloudy sky becoming partly cloudy sky during afternoon. A spell of very light to light rain at a few places towards afternoon to evening. The maximum temperatures over Delhi are likely to be in the range of 30-32°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 northeast direction with surface wind speed reaching up to 15 kmph during the afternoon. The surface wind speed will decrease becoming up to 12 kmph from the northeast direction during evening and night hours.

28.09.2026: Partly cloudy sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 31°C to 33°C and 20°C to 22°C, respectively. The minimum temperature will be below normal (-1.6°C to -3.0°C) at most places, and the maximum temperatures will be below normal (-1.6°C to -3.0°C) at most places over Delhi. The predominant surface wind is likely to be from the northwest direction with wind speed reaching up to 12 kmph during the morning hours. The surface wind speed will increase becoming up to 16 kmph from the northwest direction during afternoon. The surface wind speed will decrease becoming up to 12 kmph from the southwest direction during evening and night hours.

29.09.2026: 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 18 kmph from the northwest direction during afternoon. The surface wind speed will decrease becoming up to 12 kmph from the northwest 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 33°C to 35°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 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 12 kmph during the morning hours. The surface wind speed will increase becoming up to 18 kmph from the northwest direction during afternoon. The surface wind speed will decrease becoming up to 12 kmph from the northwest direction during evening and night hours.

Impact Expected and Action Suggested due to very heavy rainfall:

- ❖ **Isolated very heavy rainfall also likely over Uttarakhand and West Uttar Pradesh on 27th September.**
- ❖ **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph) likely over Andaman & Nicobar Islands on 27th & 28th September.**

Impact expected:

- ❖ Breaking of tree branches, uprooting of small trees like banana, papaya, drum sticks. Strong wind and rain may damage plantation, horticulture and standing crops.
- ❖ Partial damage to vulnerable structures due to strong winds and rain.
- ❖ Minor damage to kutchha 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 **Uttarakhand**, drain out excess rain water from rice, maize, finger millet, sugarcane, pigeon pea, green gram, black gram, soybean, vegetables and keep drainage channels clear. Avoid irrigation where rainfall is adequate and provide support to tall crops and vegetables to prevent lodging.
- In **Uttar Pradesh**, drain excess water from rice, maize, sugarcane, red gram, black gram, green gram, vegetables and fruit orchards. Postpone irrigation, intercultural operations, fertilizer and plant-protection applications until field conditions become suitable.
- In **Bihar**, drain out excess rain water from rice, maize, pigeon pea, low-lying sugarcane and other standing crop fields to prevent water stagnation. Postpone irrigation, fertilizer, pesticide and other field operations until soil conditions become suitable.
- In **Himachal Pradesh**, keep the harvested produce at safer places. Maintain proper drainage in standing crop fields and vegetables to prevent waterlogging.

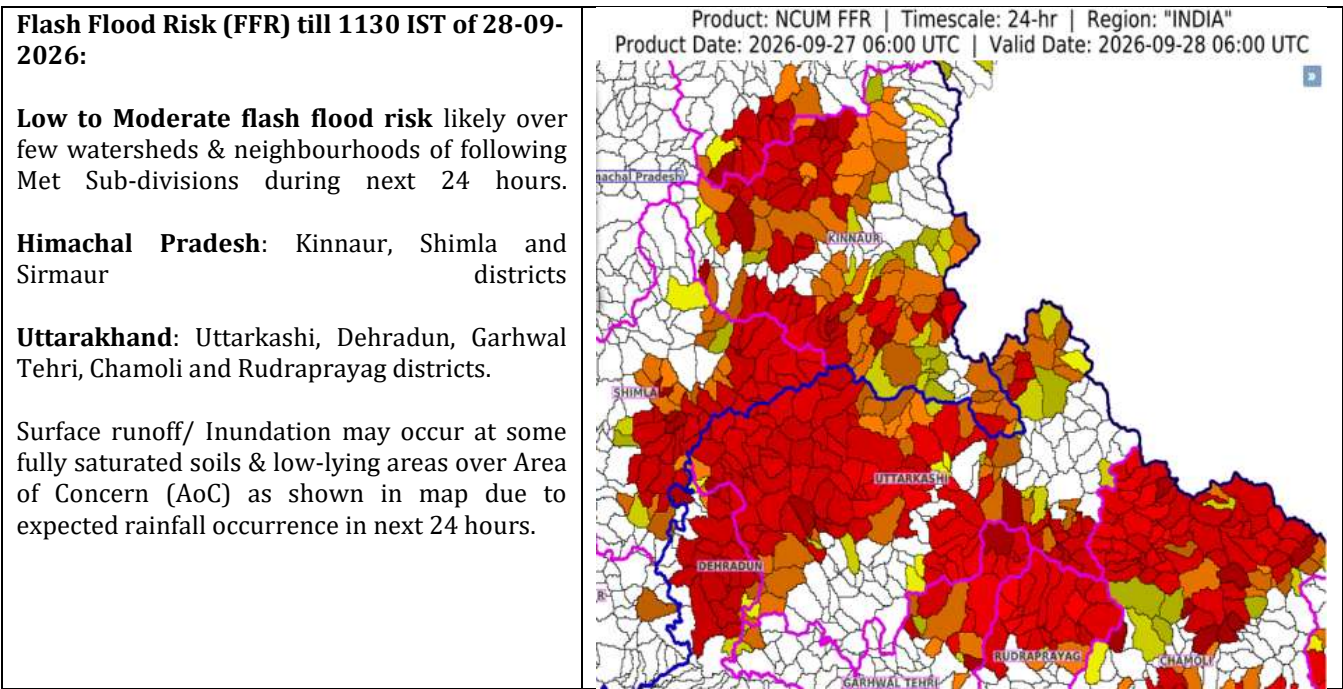
Agromet advisories for likely impact of Thunderstorm / Gusty Winds

- 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.

Flash Flood Guidance:



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.

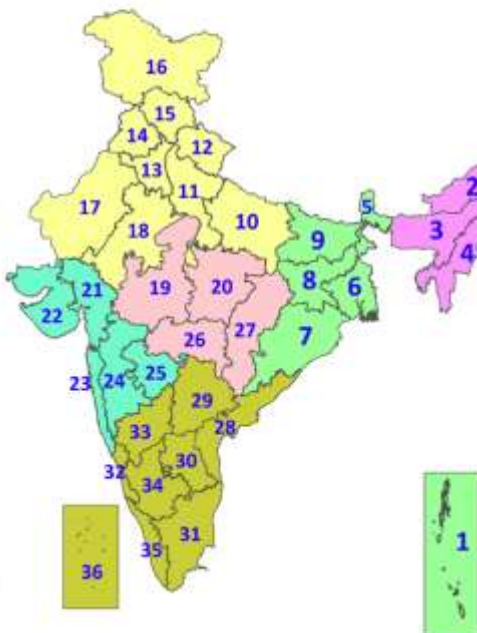
Northeast India: Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.

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.

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