



Government of India
Ministry of Earth Sciences
India Meteorological Department



Press Release

Date: 29th September, 2025

Time of Issue: 1345 hours IST

Subject: (i) Under the influence of well-marked low-pressure area over Gulf of Cambay, isolated extremely heavy rainfall is likely over coastal areas of Saurashtra & Kutch on 29th and very heavy rainfall on 30th and heavy rainfall also likely over Gujarat region on 29th September.
(ii) Increase in rainfall activity with isolated heavy rainfall likely over east India from 2nd October, 2025
(iii) Night temperatures are above normal by 3-5°C over many parts of northwest India and likely to be above normal till 04th October.

Realised weather during past 24 hours till 0830 hours IST of today, the 29th September, 2025:

- ❖ **Extremely heavy rainfall (≥ 21 cm)** has been recorded at isolated places over Konkan and Gujarat state.
 - ❖ **Heavy to very heavy rainfall (7-20 cm)** has been recorded at isolated places over Ghat areas of Madhya Maharashtra, Odisha, Coastal Karnataka.
 - ❖ **Heavy rainfall (7-11 cm)** has been recorded at isolated places over Tripura, Andaman Islands, Uttarakhand, West Madhya Pradesh, Goa, South Interior Karnataka and Kerala.
- For more details of realised weather, kindly refer [Annexure I](#).

Withdrawal of southwest Monsoon:

- ❖ The line of withdrawal of southwest monsoon continues to pass through 20°N/ 69°E, Veraval, Bharuch, Ujjain, Jhansi, Shahjahanpur and 30°N/81°E. ([Annexure II](#))

i. Weather Systems, Forecast and Warnings (refer to Annexure III & IV):

- ❖ Yesterday's **well-marked low-pressure** area over West Vidarbha & adjoining North Madhya Maharashtra continued to move nearly westwards and lay over Gulf of Cambay & neighbourhood at 0830 hours IST of today, the 29th September 2025. It is likely to continue to move west-northwestwards across Saurashtra and emerge into northeast Arabian sea around 1st October, 2025. There is a possibility of its intensification into a **depression** around the time of emergence into the northeast Arabian sea.
- ❖ A **trough** runs from the **well-marked low pressure area** over Gulf of Cambay & neighbourhood to westcentral Bay of Bengal across south Gujarat, Vidarbha, south Chhattisgarh, south Odisha, north Coastal Andhra Pradesh at lower tropospheric levels.
- ❖ An upper air **cyclonic circulation** lay over north coastal Andhra Pradesh and neighbourhood at lower & middle tropospheric levels.
- ❖ An upper air **cyclonic circulation** is likely to emerge into north Andaman Sea on 30th September. Under its influence a **low-pressure area** is likely to form over north & adjoining central Bay of Bengal around 01st October 2025.
- ❖ A fresh **Western Disturbance** likely to affect western Himalayan region from 04th October 2025.

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

West India:

- ❖ Light to moderate rain/thunderstorm at most/many places with **heavy rainfall** likely over Konkan & Goa, Madhya Maharashtra during next 6 days (except on 30th September); Gujarat Region on 29th September;

Saurashtra & Kutch during 29th September-02nd October with **isolated Extremely heavy rainfall over coastal areas of Saurashtra & Kutch on 29th September and very heavy rainfall on 30th September.**

East & Central India:

- ❖ Light to moderate rain/thunderstorm at most/many places with isolated **heavy rainfall** likely over Andaman & Nicobar Islands on 29th & 30th September; West Bengal & Sikkim during 02nd -04th October; Bihar during 01st - 04th October; Jharkhand during 02nd-04th; West Madhya Pradesh on 05th October; East Madhya Pradesh, Vidarbha on 04th & 05th October; Chhattisgarh, Odisha during 29th September-03rd October with **isolated very heavy rainfall over Gangetic West Bengal on 02nd October; Sub-Himalayan West Bengal & Sikkim on 03rd & 04th October; Bihar on 04th & 05th October.**
- ❖ Thunderstorm & gusty winds (speed reaching 40-50 kmph) very likely over Andaman & Nicobar Islands during next 5 days.
- ❖ Thunderstorm & gusty winds (speed reaching 30-40 kmph) very likely over Bihar during next 7 days; West Bengal, Jharkhand, Odisha during next 5 days; Andaman & Nicobar Islands during 29th September-02nd October.

Northeast India:

- ❖ Light/moderate rain/thunderstorm at many/some places with isolated **heavy rainfall** likely over Assam & Meghalaya during 30th September-05th October; Nagaland, Manipur, Mizoram & Tripura during 29th September-02nd October; Arunachal Pradesh during 01st-05th October with **very heavy rainfall over Assam & Meghalaya on 02nd & 03rd October.**

South Peninsular India:

- ❖ Light to moderate rain/thunderstorm at many/some places with isolated **heavy rainfall** likely over north Tamil Nadu on 29th September, Coastal Andhra Pradesh & Yanam during 29th September-02nd October.
- ❖ Strong surface winds (speed reaching 30-40 kmph) very likely over Kerala & Mahe, Lakshadweep on 29th & 30th September; Tamil Nadu, Coastal Andhra Pradesh & Yanam, Rayalaseema, Telangana during 29th September-03rd October.

Northwest India:

- ❖ Thunderstorm with lightning very likely at isolated places over Uttarakhand on 29th September, Rajasthan during 29th September-03rd October and Jammu-Kashmir & Himachal Pradesh on 04th & 05th October.
- ❖ Night temperatures are above normal by 3-5°C over many parts of northwest India and likely to be above normal till 04th October.

Fishermen warnings:

Fishermen are advised not to venture into the following areas during 29th September to 04th October:

Arabian Sea:

- Along and off Konkan & Goa, Karnataka and adjoining sea areas during 29th September, over Konkan off Goa coasts during 30th September to 02nd October,
- Gujarat coasts, many parts of eastcentral & northeast Arabian Sea, some parts of southwest adjoining westcentral Arabian Sea, along and off Somalia coast, during 29th September to 04th October.

Bay of Bengal:

- Andhra Pradesh, Tamil Nadu, Sri Lanka coasts, Gulf of Mannar & adjoining Comorin area during 29th September to 04th October and over South & Central Bay of Bengal during 29th September to 01st October.
- Along and off Odisha, West Bengal, Bangladesh, Myanmar and most parts of Bay of Bengal during 01st to 04th October.
- Andaman Sea during 29th September to 03rd October.

ii. Weather conditions and forecast over Delhi/NCR during 29th September to 02nd October, 2025 (Annexure V)

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/fishermen-warning.php>

Rainfall recorded (in cm) during past 24 hours till 0830 hours IST of today, the 29th September (≥ 7 cm):

Saurashtra & Kutch: Diu (dist Diu) 26; Sutrapada (dist Gir Somnath) 22; Mangrol(j) (dist Junagadh) 18; Una (dist Gir Somnath) 14; Kodinar (dist Gir Somnath) 13; Veraval (dist Gir Somnath), Talala (dist Gir Somnath), Keshod (dist Junagadh) 12 Each; Visavadar (dist Junagadh), Kalyanpur (dist Devbhoomi Dwarka) 10 Each; Khambhalia (dist Devbhoomi Dwarka), Malia (dist Junagadh) 9 Each; Gir Gadhada (dist Gir Somnath) 8; Amreli (dist Amreli), Mahuva(b) (dist Bhavnagar), Bhesan (dist Junagadh), Bagasra (dist Amreli), Babra (dist Amreli) 7 Each;

Konkan & Goa: Talasari (dist Palghar) 24; Jawhar (dist Palghar), Palghar ARG (dist Palghar) 18 Each; Vikramgad (dist Palghar), Wada (dist Palghar) 17 Each; Murbad (dist Thane) 14; Matheran (dist Raigad), Mokheda - Fmo (dist Palghar) 13 Each; Vasai (dist Palghar), Dahanu (dist Palghar) 12 Each; Bhiwandi (dist Thane) 11; Shahapur (dist Thane), Colaba (dist Mumbai City) 10 Each; Panvel ARG (dist Raigad), Canacona (dist South Goa), Ambernath (dist Thane) 9 Each; Santacruz (dist Mumbai Suburban), Tbia IMD Part Time (dist Thane), Thane (dist Thane), Uran (dist Raigad) 8 Each; Mangaon (dist Raigad), Harnai IMD (dist Ratnagiri), Karjat ARG (dist Raigad), Pen (dist Raigad), Khalapur (dist Raigad), Kalyan (dist Thane), Ulhasnagar (dist Thane) 7 Each;

Gujarat Region: Khanvel (dist Dadara & Nagar Haveli) 24; Madhbun (dist Dadara & Nagar Haveli) 22; Silvassa (dist Dadara & Nagar Haveli) 19; Nanipalson (dist Valsad) 13; Vapi (dist Valsad), Umergam (dist Valsad), Kaprada (dist Valsad) 11 Each; Dharampur (dist Valsad), Ankleshwer (dist Bharuch), Bharuch (dist Bharuch), Dediapada (dist Narmada) 10 Each; Daman (dist Daman) 9; Pardi (dist Valsad), Valsad (dist Valsad), Umerpada (dist Surat) 8 Each; Hansot (dist Bharuch), Devgad Baria (dist Dahod), Daman AWS (dist Daman), Jhagadia (dist Bharuch), Daman Fmo (dist Daman) 7 Each;

Madhya Maharashtra: Ozharkheda - Fmo (dist Nashik) 19; Harsul - Fmo (dist Nashik) 14; Nandgaon (dist Nashik) 12; Lonavala ARG (dist Pune), Trimbakshwar (dist Nashik) 10 Each; Peth (dist Nashik) 8; Igatpuri (dist Nashik) 7;

Odisha: Bandhugaon (dist Koraput) 14;

Coastal Karnataka: Honavar (dist Uttara Kannada), Manki (dist Uttara Kannada), Shirali PTO (dist Uttara Kannada), Gersoppa (dist Uttara Kannada) 12 Each; Kumta (dist Uttara Kannada) 10; Gokarna (dist Uttara Kannada) 9; Karwar (dist Uttara Kannada) 8; Ankola (dist Uttara Kannada) 7;

West Madhya Pradesh: Nasrullahganj (dist Sehore) 10;

Tripura: Kanchanpur (dist North Tripura) 8;

South Interior Karnataka: Hunchadakatte (dist Shivamogga) 7;

Kerala: Ayyankunnu AWS (dist Cannur) 7;

Andaman Islands: Long Island (dist North & Middle Andaman) 7;

Uttarakhand: Sama (dist Bageshwar) 7.

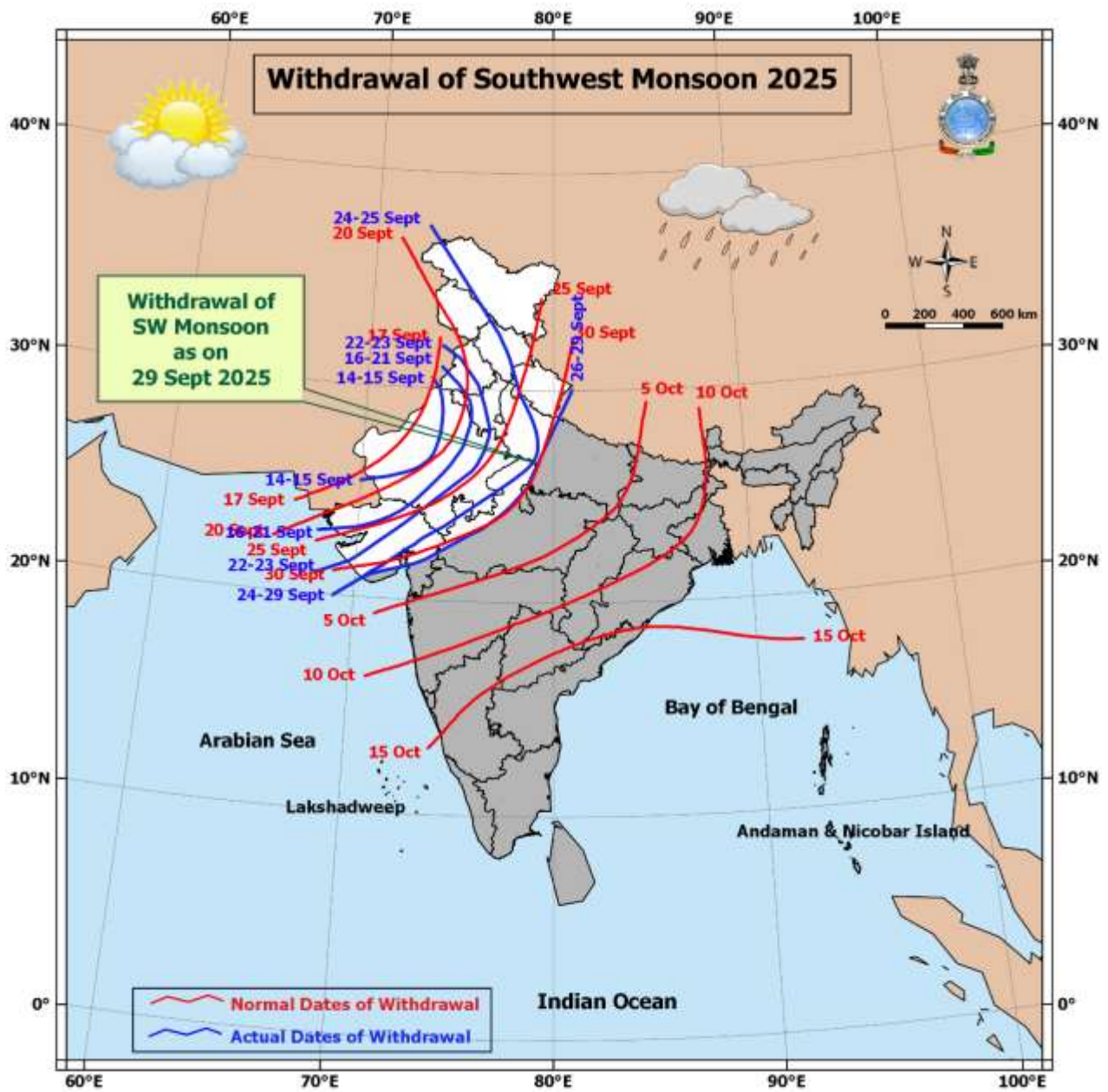
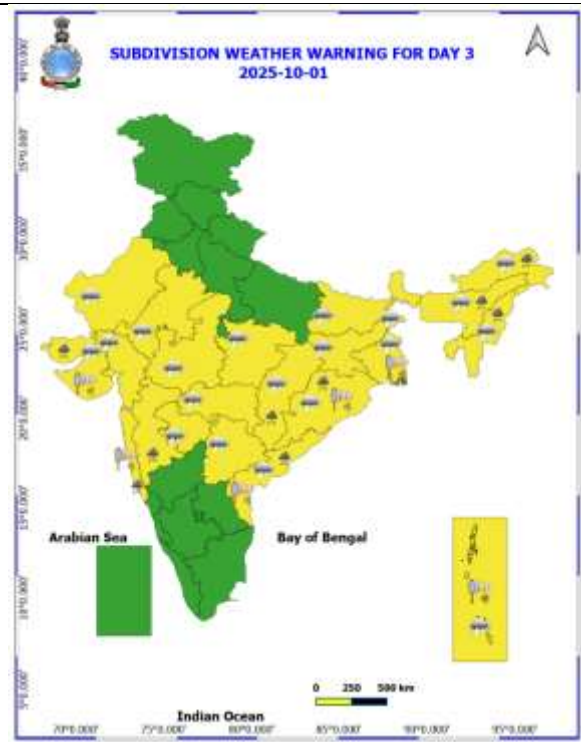
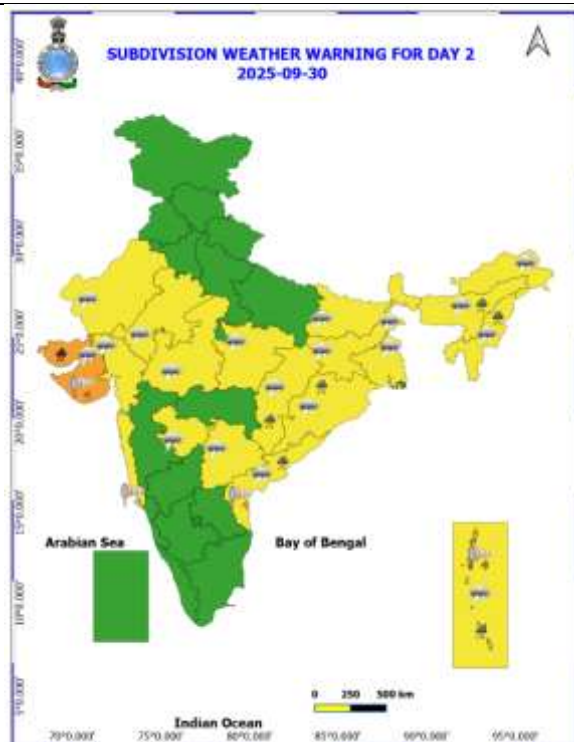
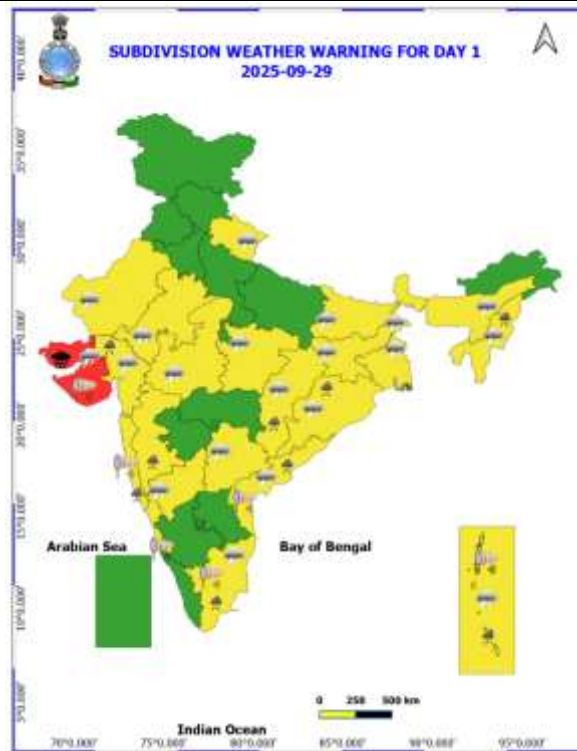
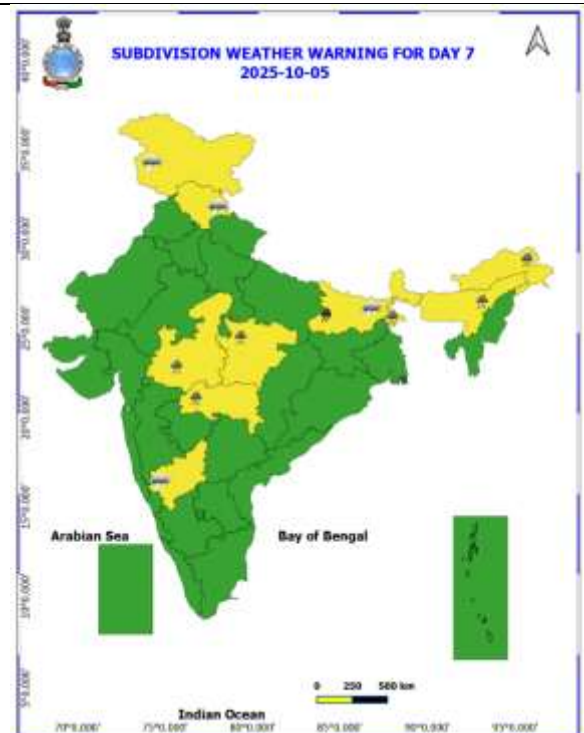
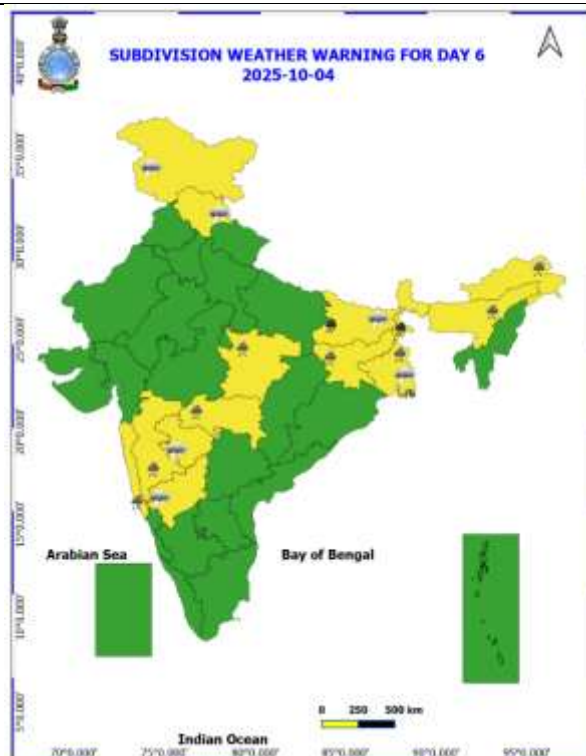
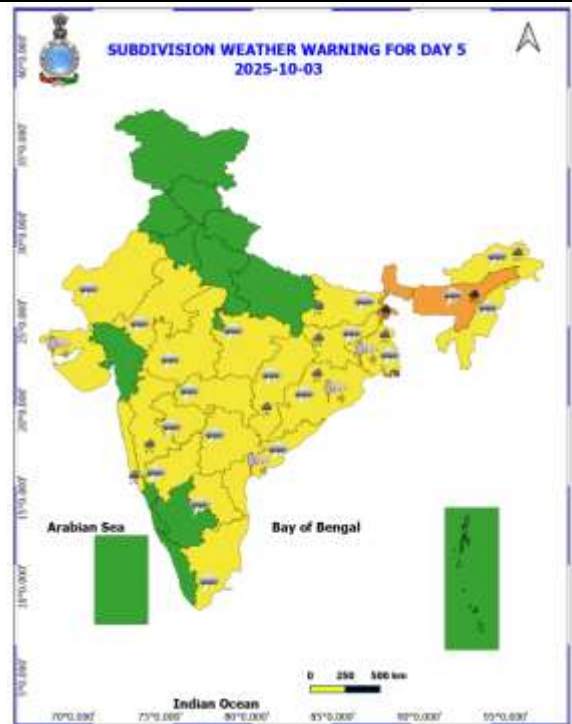
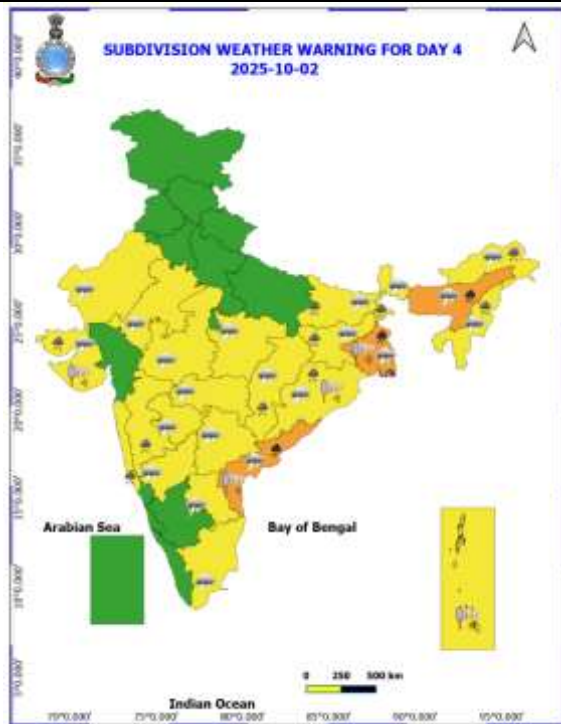


Table-1								
7 Days Rainfall Forecast								
S.No.	Subdivision	29- Sep	30- Sep	1- Oct	2- Oct	3- Oct	4- Oct	5- Oct
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	WFS	WFS	WFS	FWS	FWS	SCT	SCT
2	ARUNACHAL PRADESH	SCT	FWS	FWS	FWS	SCT	SCT	SCT
3	ASSAM & MEHGHALAYA	SCT	FWS	FWS	FWS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

- As the lead period increases forecast accuracy decrease.





- Action may be taken based on ORANGE AND REDCOLOUR warnings.
- Vulnerable regions likely urban and hilly areas action may be initiated for heavy rainfall warning.
- As the lead period increases forecast accuracy decreases.

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

Weather forecast over Delhi/NCR during 29th September to 02nd October 2025**Past Weather:**

There has been no large change in the minimum temperature and rise in maximum temperature up to 1°C over Delhi/NCR during the past 24 hours. The maximum and minimum temperatures over Delhi were around 35 to 38°C and 24 to 28°C respectively. The minimum temperature was above normal up to 2 – 4°C and maximum temperature was above normal up to 1 – 3°C. Partly cloudy sky conditions with predominant surface wind from the east/southeast direction with wind speeds up to 18 kmph prevailed during the past 24 hours. Partly cloudy sky conditions with a wind speed of less than 14 kmph from the southeast direction prevailed over the region in the forenoon today.

Weather Forecast:

29.09.2025: Partly cloudy sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 35 to 37°C. The maximum temperature will be above normal up to 1 – 3°C. The predominant surface wind will likely to be from the southeast direction with a wind speed of up to 10-15 kmph during afternoon hours. The wind speed will decrease becoming less than 12 kmph from the southeast direction during the evening and night.

30.09.2025: Generally cloudy sky. A spell of very light rain/drizzle towards evening. The maximum and minimum temperatures over Delhi are likely to be in the range of 34 to 36°C and 24 to 26°C respectively. The minimum temperature will be above normal up to 1 – 3°C and the maximum temperature will be above normal up to 1 – 2°C. The predominant surface wind will likely to be from the southeast direction with a wind speed of up to 08-12 kmph during morning hours. The wind speed will gradually increase becoming less than 15 kmph from the southeast direction in the afternoon. The wind speed will decrease becoming less than 10 kmph from the south direction during the evening and night.

01.10.2025: Generally cloudy sky. A spell of very light rain/drizzle in the morning. The maximum and minimum temperatures over Delhi are likely to be in the range of 33 to 35°C and 24 to 26°C respectively. The minimum temperature will be above normal up to 1 – 2°C and the maximum temperature will be near normal. The predominant surface wind will likely to be from the south direction with a wind speed of up to 05-10 kmph during morning hours. The wind speed will gradually increase becoming less than 15 kmph from the southeast direction in the afternoon. The wind speed will decrease becoming less than 10 kmph from the southeast direction during the evening and night.

02.10.2025: Generally cloudy sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 33 to 35°C and 24 to 26°C respectively. The minimum temperature will be above normal up to 1 – 2°C and the maximum temperature will be near normal. The predominant surface wind will likely to be from the southeast direction with a wind speed of up to 10 - 15 kmph during morning hours. The wind speed will gradually increase becoming less than 18 kmph from the southeast direction in the afternoon. The wind speed will decrease becoming less than 12 kmph from the southeast direction during the evening and night.

Impact & Action Suggested due to

- ❖ **Extremely heavy rainfall (≥ 21 cm)** at isolated places over Saurashtra & Kutch on 29th September.
- ❖ **Very heavy rainfall (12-20 cm)** at isolated places over Saurashtra & Kutch on 30th September; Gangetic West Bengal on 02nd October; Sub-Himalayan West Bengal & Sikkim on 03rd & 04th October; Bihar on 04th & 05th October; Assam & Meghalaya on 02nd & 03rd October
- ❖

Impact Expected

- Water logging/ flooding in many parts of low lying area and river banks
- Localized and short term disruption to municipal services (water, electricity, etc.)
- Major disruption of traffic flow. Major roads/local trains affected.
- Possibility of danger to very old buildings and unmaintained structures, falling of trees etc
- Closure of roads crossing low water bridges.

Action Suggested

- Traffic may be regulated effectively
- People in the affected area may restrict their movement.

Agromet advisories for likely impact of Heavy / Heavy to Very Heavy / Extremely Heavy Rainfall

- In **Gujarat**, keep the harvested produce of crops such as groundnut, sesame, maize, pearl millet, soybean etc. at safer places. Make necessary arrangements to drain out excess water from fields of rice, sugarcane, cotton, pigeon pea, soybean, groundnut, maize, pearl millet, castor, vegetables and fruit orchards in **Gujarat region** and cotton, pigeon pea, groundnut, black gram, green gram, castor, pearl millet, soybean, sesame and vegetables in **Saurashtra & Kutch**.
- In **Maharashtra**, drain out excess water from fields of rice, groundnut, ginger, vegetables and fruit orchards in the districts of **Konkan**. In **Madhya Maharashtra**, keep the harvested produce of black gram, soybean and kidney beans (rajma) at safer places and drain out excess water from fields of rice, pigeon pea, soybean, maize, cotton, sugarcane, vegetables and fruit orchards.
- In **Odisha**, make provision to drain out excess water from fields of rice, finger millet, maize, pulses, groundnut, cotton, sesame, vegetables and fruit orchards. Make arrangement for covering vegetables nurseries like chilli, okra and brinjal with plastic cover or polythene sheet.
- In **Arunachal Pradesh**, undertake harvesting of matured crops of rice, maize, vegetables, finger millet and matured bunches of banana and shift the produce to properly covered shelter to avoid losses.
- In **Nagaland**, ensure proper drainage in fields of maize, pulses and vegetables.
- In **Coastal Karnataka**, drain out excess water from fields of rice, cotton, ginger and plantations of arecanut, coconut, banana and black pepper.

Livestock / Fishery

- Keep the animals inside the shed during heavy rainfall and provide them balanced feed.
- Store feed and fodder in a safe place to prevent spoilage.
- Construct an outlet with proper netting around the ponds to drain out excess water, thereby preventing fish from escaping in case of overflow.

Agromet advisories for likely impact of Thunderstorm / Gusty Winds / Squally 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.

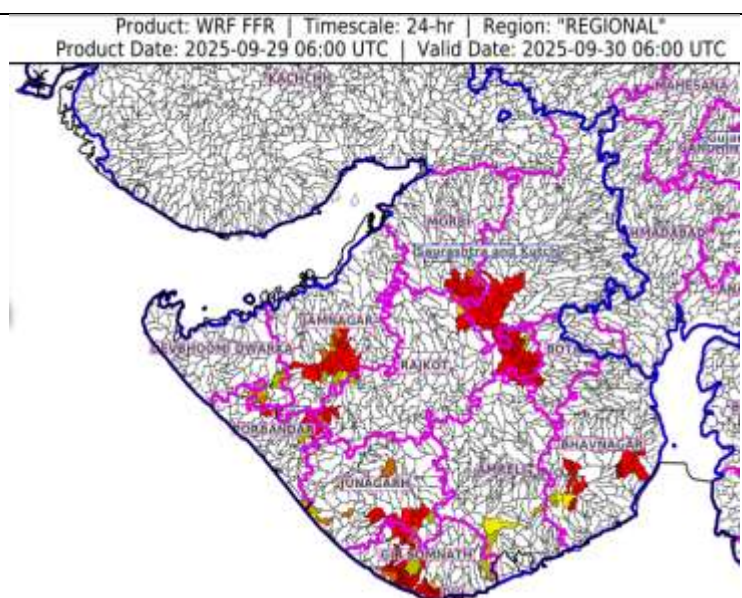
Flash Flood Guidance:

24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 30-09-2025 :

Low to Moderate flash flood risk likely over few watersheds & neighbourhoods of following Met Sub-divisions during next 24 hours.

Saurashtra & Kutch - Amreli, Bhavnagar, Botad, Devbhoomi Dwarka, Gir Somnath, Jamnagar, Junagarh, Porbandar, Rajkot, Surendranagar and Morbi districts.

Surface runoff/ Inundation may occur at some fully saturated soils & low-lying areas over Area of Concern (AoC) as shown in map due to expected rainfall occurrence in next 24 hours.



Legends & abbreviations:

- ❖ **Heavy Rain:**64.5-115.5mm; **Very Heavy Rain:**115.6-204.4mm; **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, 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

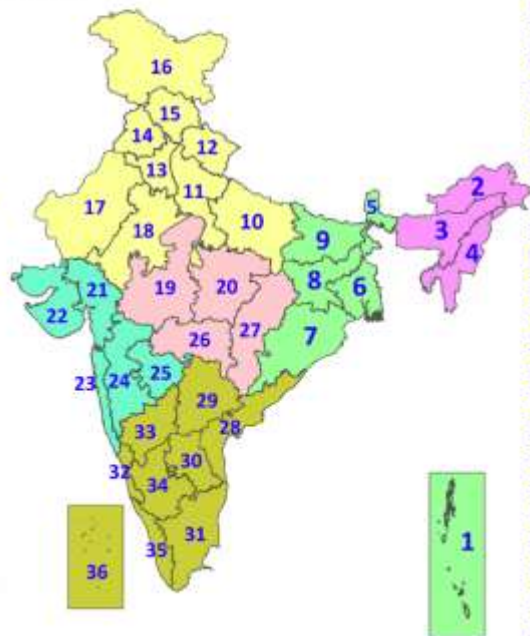
32. तटीय कर्नाटक

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 62-67 kmph

Very Severe: Wind speed > 67 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 118-165 kmph (64 - 89 knots)

Extremely Severe Cyclonic Storm: Wind speed 166-220 kmph (90 -119 knots)

Super Cyclone Storm: Wind speed > 220 kmph (> 119 knots)

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Hot and Humid: When maximum temperatures remain 3°C above normal along with the above normal relative humidity.