



Government of India
Ministry of Earth Sciences
India Meteorological Department



Press Release

Date: 20th September, 2025

Time of Issue: 1245 hours IST

Subject: (i) A fresh low pressure area likely to emerge into eastcentral & adjoining northeast Bay of Bengal off Myanmar- Bangladesh coasts around 25th September, 2025. Under its influence, isolated heavy rainfall likely over Odisha during 23rd-26th; Chhattisgarh and Coastal Andhra Pradesh & Yanam during 24th -26th September, 2025.

(ii) Isolated heavy rainfall likely to continue over Northeast India during next 4-5 days.

Realised weather during past 24 hours till 0830 hours IST of today, the 20th September, 2025:

- ❖ **Very heavy rainfall (12-20 cm)** has been recorded at isolated places over Rayalaseema.
- ❖ **Heavy rainfall (7-11 cm)** has been recorded at isolated places over East Uttar Pradesh, East Rajasthan, Nagaland & Tripura, Jharkhand, Bihar, Madhya Pradesh, Gujarat Region, Madhya Maharashtra, Marathwada, Andaman & Nicobar Islands, Sub-Himalayan West Bengal and Tamil Nadu.

For more details of realised weather, kindly refer [Annexure I](#).

Withdrawal of southwest Monsoon:

- ❖ The line of withdrawal of the southwest monsoon continues to pass through 31°N/74°E, Bhatinda, Fatehabad, Pilani, Ajmer, Deesa, Bhuj and 23°N/68°E.
- ❖ Conditions are becoming favourable for further withdrawal of southwest monsoon from some more parts of Gujarat, Rajasthan, Haryana and Punjab; some parts of Himachal Pradesh and Jammu & Kashmir during next 2-3 days. ([Annexure II](#))

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

- ❖ An upper air **cyclonic circulation** lies over north Andaman Sea & adjoining Myanmar coast in lower tropospheric levels. It is very likely to move nearly north-northwestwards and reach north Bay of Bengal around 22nd September, 2025.
- ❖ A fresh **low pressure area** is likely to emerge into eastcentral & adjoining northeast Bay of Bengal off Myanmar-Bangladesh coasts around 25th September, 2025.
- ❖ An upper air **cyclonic circulation** lies over northwest Uttar Pradesh and another over northeast Assam in lower tropospheric levels.
- ❖ An upper air **cyclonic circulation** lies over northeast Uttar Pradesh & adjoining Bihar in lower tropospheric levels and a north-south **trough** runs from this upper air cyclonic circulation to west Vidarbha in lower tropospheric levels.
- ❖ Another **trough** runs from the upper air cyclonic circulation over north Andaman Sea & adjoining Myanmar coast to south Maharashtra coast in lower tropospheric levels.

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

East & Central India:

- ❖ Light to moderate rain/thunderstorm at most/many places with isolated **heavy rainfall** likely over southwest Madhya Pradesh, Sub-Himalayan West Bengal & Sikkim, Bihar on 20th; Andaman & Nicobar Islands on 20th, 21st, 23rd & 24th; Gangetic West Bengal on 22nd & 23rd; Chhattisgarh during 24th-26th; Vidarbha on 25th & 26th; Odisha during 23rd-26th September.
- ❖ Thunderstorm & gusty winds (speed reaching 30-40 kmph) very likely over East India during next 5 days.

Northeast India:

- ❖ Light/moderate rain/thunderstorm at many/some places with isolated **heavy rainfall** likely over Assam & Meghalaya during 20th-24th and Nagaland, Manipur, Mizoram & Tripura during 20th-23rd September.

Northwest India:

- ❖ Light to moderate rain/thunderstorm at some/isolated places with **isolated heavy rainfall** likely over East Uttar Pradesh and East Rajasthan on 20th September.
- ❖ Thunderstorm with lightning likely over Uttarakhand and East Rajasthan during next 4-5 days.

South Peninsular India:

- ❖ Light to moderate rain/thunderstorm at many/some places with isolated **heavy rainfall** likely over Tamil Nadu, Rayalaseema, North Interior Karnataka on 20th; Telangana on 21st & 22nd and Coastal Andhra Pradesh & Yanam during 24th – 26th September.
- ❖ Strong surface winds (speed reaching 30-40 kmph) very likely over Coastal Andhra Pradesh & Yanam and Rayalaseema during next 5 days.

West India:

- ❖ Light to moderate rain/thunderstorm at many/some places likely over the region during next 4-5 days with **isolated heavy rainfall** likely over Marathwada & Gujarat Region on 20th; Konkan & Goa and Madhya Maharashtra on 20th, 25th & 26th September.

Fishermen warning:

Fishermen are advised not to venture into the following areas during 20th to 25th September:

Arabian Sea (AS):

- Some parts of westcentral, southwest Arabian Sea, along and off Somalia coast during 20th to 25th September.

Bay of Bengal (BoB):

- Along and off Sri Lanka coast, adjoining southwest Bay of Bengal during 20th to 25th September; most parts of south Bay of Bengal during 20th to 25th September; southern parts of central Bay of Bengal during 22nd to 24th September; entire central Bay of Bengal & most parts of north Bay of Bengal on 24th September; Along and off Andhra Pradesh, off Odisha, West Bengal, Bangladesh, Myanmar coasts on 24th; Gulf of Mannar & adjoining Comorin area during 20th to 25th; over Andaman Sea during 20th to 25th September.

ii. Weather conditions and forecast over Delhi/NCR during 20th September to 23rd September, 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>

ANNEXURE I

Rainfall recorded (in cm) during past 24 hours till 0830 hours IST of today, the 20th September (≥ 7cm):

- ❖ **Rayalaseema:** Royachoti (dist Annamayya District) 15, Vempalle (dist Ysr District) 10, Jammalamadugu (dist Ysr District) 8, Penagaluru (dist Annamayya District) 7;
- ❖ **Gujarat Region:** Vagra (dist Bharuch) 11, Surat (dist Surat) (STATE GOVT DATA) 9, Karjan (dist Vadodara) 7;
- ❖ **West Madhya Pradesh:** Depalpur (dist Indore) 11, Hatod (dist Indore) 9, Udaipura (dist Raisen) 8, Pithampur (dist Dhar) 8, Sardarpur (dist Dhar) 7, Mhow (dist Indore) 7, Sultanpur (dist Raisen) 7;
- ❖ **East Rajasthan:** Bijoliya Sr (dist Bhilwara) 10, Nainwa (dist Bundi) 9;
- ❖ **Nagaland & Tripura:** Aboi ARG (dist Mon) 9, Belonia (dist South Tripura) 8, Tseminyu Nsdma_aws (dist Kohima) 7;

- ❖ **Bihar:** Raghunathpur (dist Siwan) 9; Jaley (dist Darbhanga), Mairwa (dist Siwan), Rosera (dist Samastipur) 8 Each; Pachrukhi (dist Siwan), Goriakothi (dist Siwan) 7 Each;
- ❖ **East Uttar Pradesh:** Trimohani Ghat Fmo (dist Maharajganj) 7;
- ❖ **East Madhya Pradesh:** Keolari (dist Seoni) 7;
- ❖ **Madhya Maharashtra:** Pandharpur (dist Sholapur) 7;
- ❖ **Marathawada:** Jalna (dist Jalna) 7;
- ❖ **Andaman & Nicobar Islands:** Long Island (dist North & Middle Andaman) 7;
- ❖ **Sub-Himalayan West Bengal:** Oodlabari Tea Estate (dist Jalpaiguri) 7;
- ❖ **Jharkhand:** Jamtara Fmo (dist Jamtara) 7;
- ❖ **Tamil Nadu:** Arakonam (dist Ranipet), Jaya Engg College AWS (dist Tiruvallur) 7 each;

Annexure II

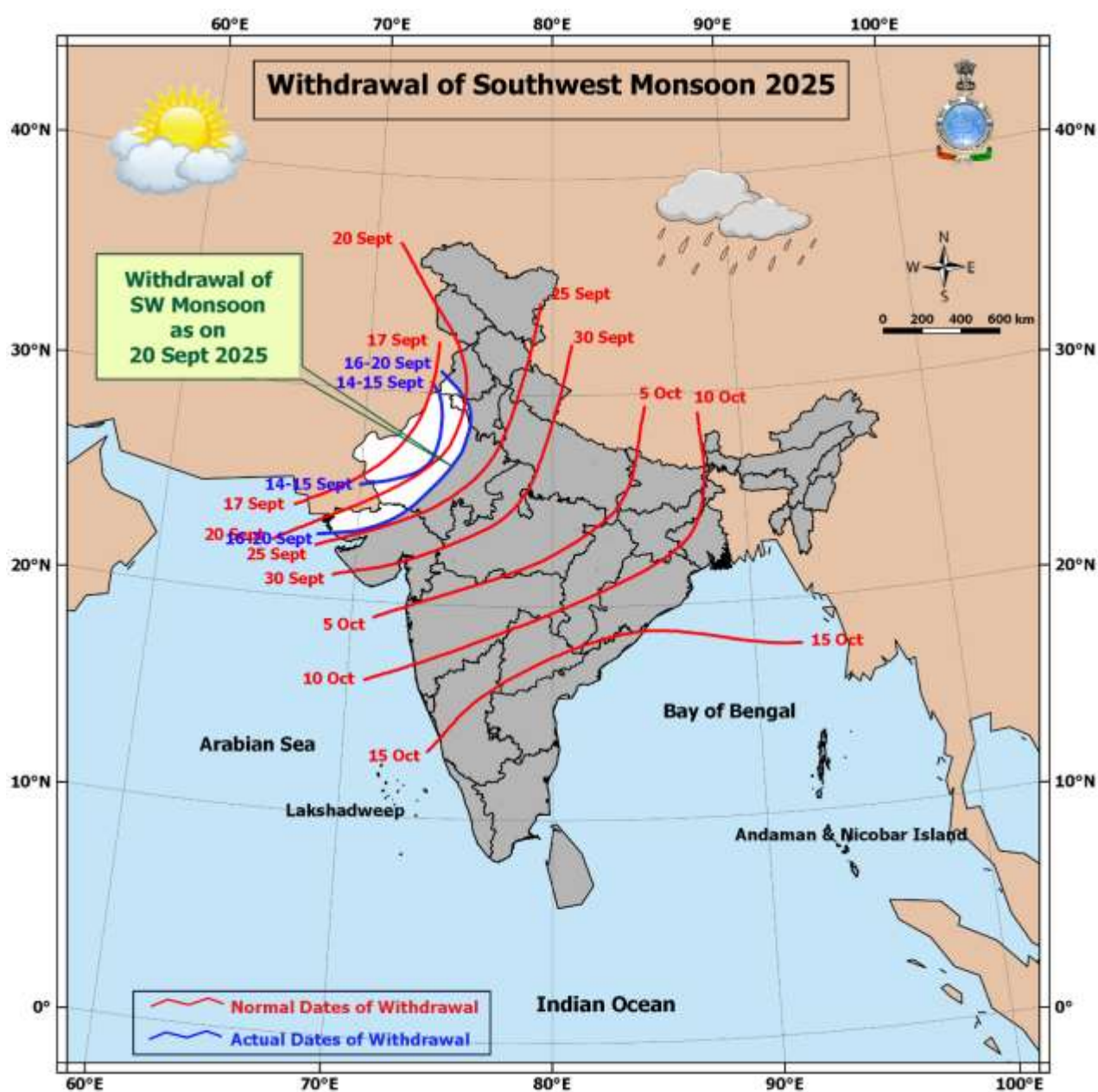
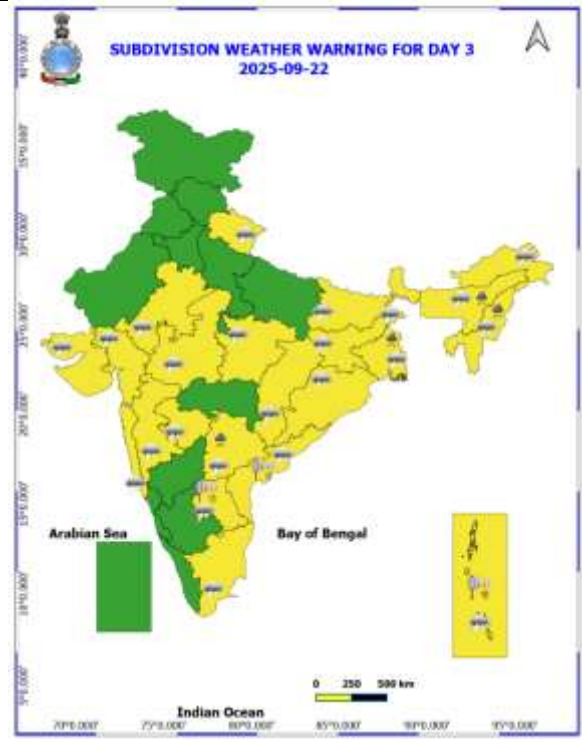
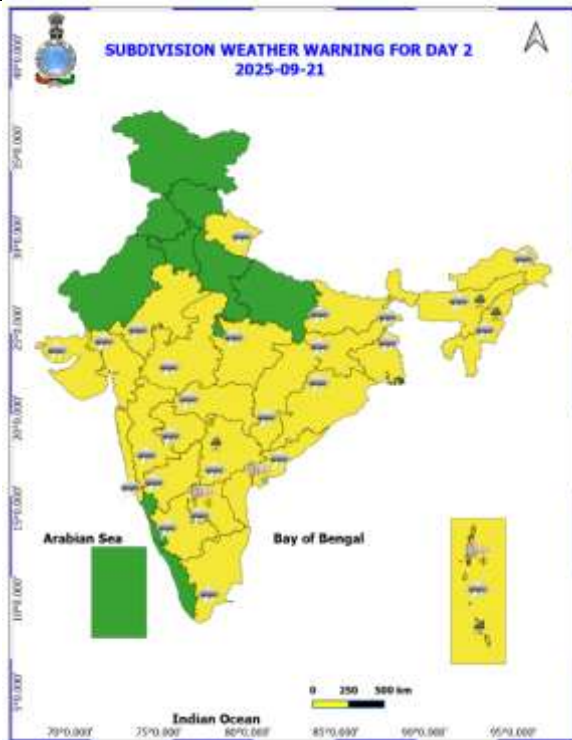
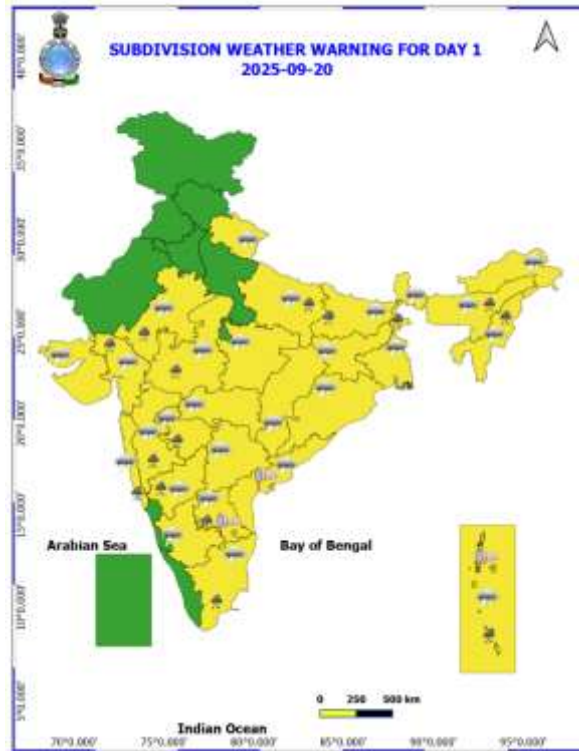
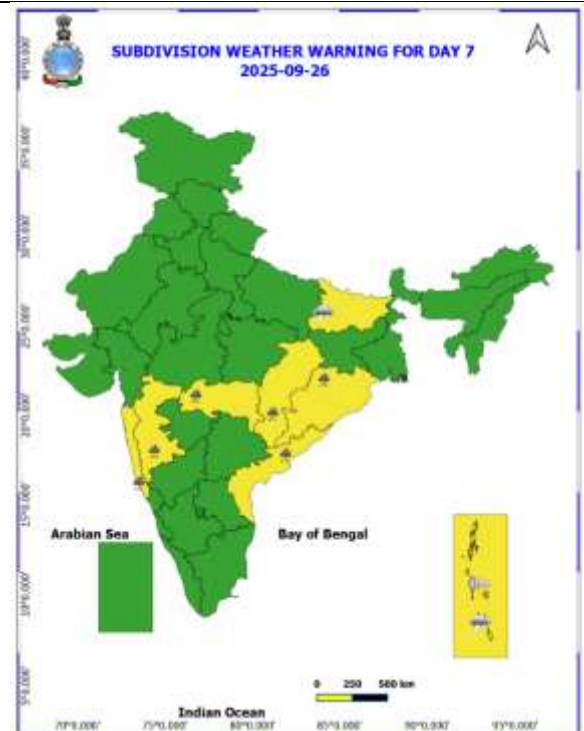
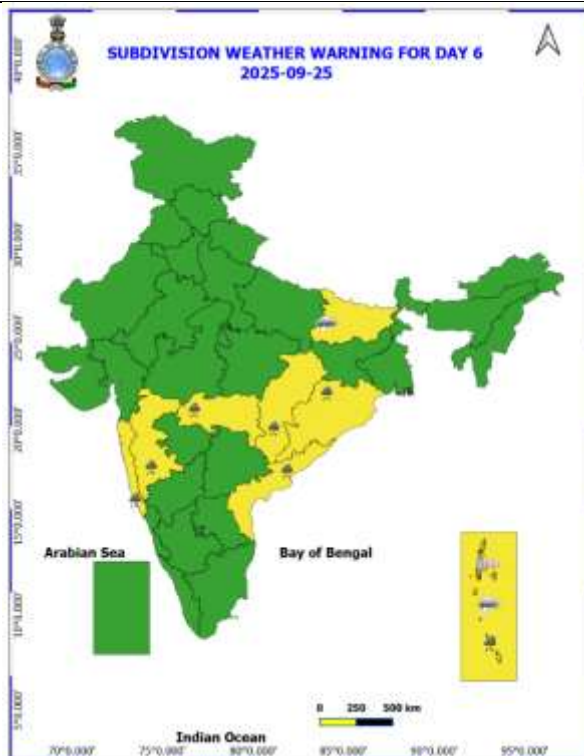
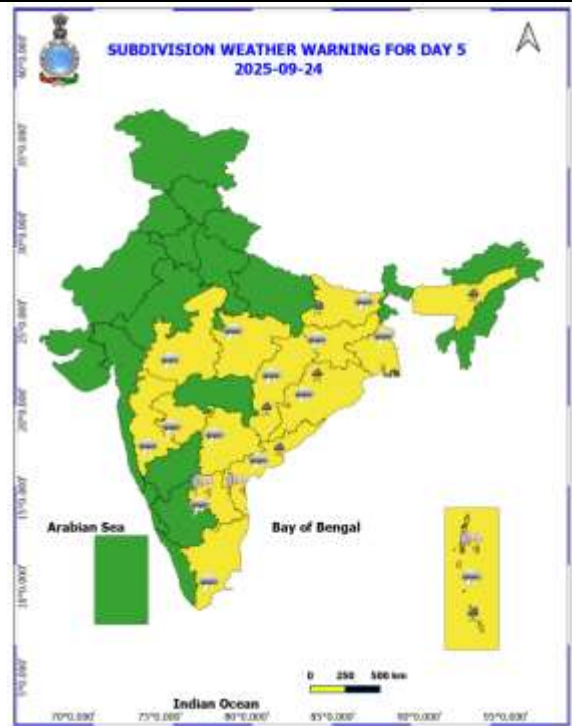
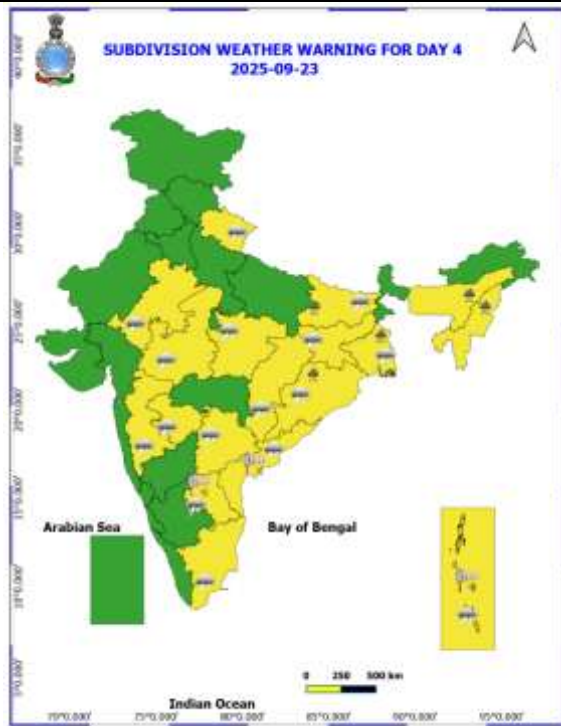


Table-1								
7 Days Rainfall Forecast								
S.No.	Subdivision	20- Sep	21- Sep	22- Sep	23- Sep	24- Sep	25- Sep	26- Sep
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	FWS	FWS	FWS	FWS	FWS	FWS	FWS
2	ARUNACHAL PRADESH	SCT	SCT	SCT	SCT	SCT	ISOL	ISOL
3	ASSAM & MEHGHALAYA	FWS	SCT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

- 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 20th to 23th September 2025

Past Weather:

There has been no large change in the minimum temperature and rise in maximum temperature up to 1 - 2°C over Delhi/NCR during the past 24 hours. The maximum and minimum temperatures over Delhi were around 34 to 35°C and 23 to 25°C respectively. The minimum and maximum temperatures were near normal. Partly cloudy sky conditions with predominant surface wind from the northwest/west direction with wind speeds up to 18 kmph prevailed during the past 24 hours. Mainly clear sky conditions with a wind speed of less than 16 kmph from the southwest direction prevailed over the region in the forenoon today.

Weather Forecast:

20.09.2025: Partly cloudy sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 34 to 36°C. The maximum temperature will be above normal up to 1 - 2°C. The predominant surface wind will likely to be from the northwest direction with a wind speed of up to 20-25 kmph during afternoon hours. The wind speed will decrease becoming less than 15 kmph from the southwest direction during the evening and night.

21.09.2025: Mainly clear sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 34 to 36°C and 23 to 25°C respectively. The minimum temperature will be near normal and the maximum temperature will be above normal up to 1 - 2°C. The predominant surface wind will likely to be from the northwest direction with a wind speed of up to 10-15 kmph during morning hours. The wind speed will gradually increase becoming less than 25 kmph from the northwest direction in the afternoon. The wind speed will decrease becoming less than 15 kmph from the southwest direction during the evening and night.

22.09.2025: Mainly clear sky. 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 near normal and the maximum temperature will be above normal up to 1 - 2°C. The predominant surface wind will likely to be from the northwest direction with a wind speed of up to 10-15 kmph during morning hours. The wind speed will gradually increase becoming less than 25 kmph from the northwest direction in the afternoon. The wind speed will decrease becoming less than 15 kmph from the west direction during the evening and night.

23.09.2025: Mainly clear sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 33 to 35°C and 23 to 25°C respectively. The minimum temperature will be near normal and the maximum temperature will be near normal. The predominant surface wind will likely to be from the northwest direction with a wind speed of up to 20-22 kmph during morning hours. The wind speed will gradually increase becoming less than 25 kmph from the northwest direction in the afternoon. The wind speed will decrease becoming less than 15 kmph from the west direction during the evening and night.

Agromet advisories for likely impact of Heavy Rainfall

- In Andaman & Nicobar Islands, ensure proper drainage to drain out excess water from rice fields. Cover the vegetable nursery with coconut leaves or polythene sheet to avoid losses due to rain. Wrap developing banana bunches with sheath/muslin cloth to protect from rain splashes.
- In Sub-Himalayan West Bengal, maintain proper drainage channel in the fields of rice and vegetables in Terai Zone and rice, ginger, finger millet, green gram and vegetables in Hill Zone.
- In West Madhya Pradesh, drain out excess water from the fields of rice, soybean, maize, cotton, sugarcane and vegetables. Ensure proper drainage in the fields of soybean, maize, cotton, black gram and vegetables in Jhabua Hill zone.
- In Maharashtra, make arrangement to drain out excess water from the fields of pigeon pea, soybean, maize, vegetables and orchards in Madhya Maharashtra; soybean, cotton, pigeon pea, vegetables and orchards in Marathwada and keep the harvested produce of black gram at safer places. Ensure proper drainage in the fields of rice, vegetables and fruit orchards in Konkan.
- In Assam, ensure proper drainage to drain out excess water from the fields of rice, sugarcane, green gram, black gram, sesame, vegetables and orchards in Hill Zone; and rice and already sown black gram in Barak Valley Zone.

- In Nagaland, maintain proper drainage in the field of rice and soybean crop. Keep harvested produce of sesame and *Jhum* rice at a safer places.

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.

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

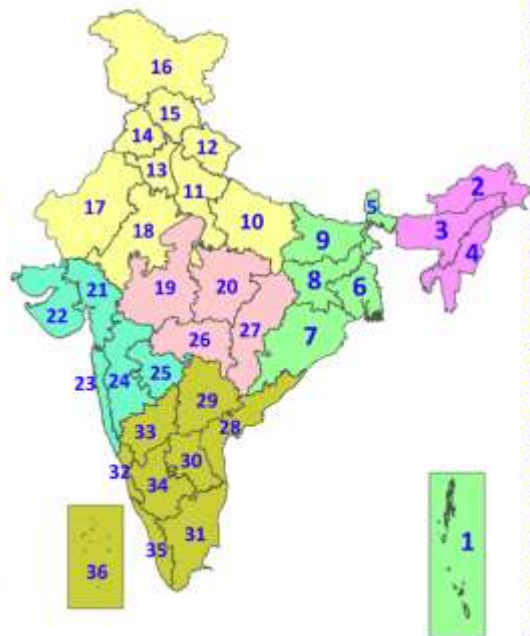
32. तटीय कर्नाटक

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 62-67 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)

* 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)

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