



Government of India
Ministry of Earth Sciences
India Meteorological Department



Press Release

Date: 13th October, 2025

Time of Issue: 1430 hours IST

Subject: (i) Enhance rainfall activity with isolated heavy falls likely to continue over Kerala and Tamil Nadu during next 7 days.

(ii) Southwest monsoon further withdrawn from some parts of Karnataka, some parts of Telangana, most parts of Maharashtra, entire Goa, remaining parts of Madhya Pradesh, Uttar Pradesh, most parts of Chhattisgarh, remaining parts of Bihar, entire Jharkhand, West Bengal & Sikkim, and some parts of Odisha & northeastern states.

Realised weather during past 24 hours till 0830 hours IST of today, the 13th October, 2025:

- ❖ **Heavy to very heavy rainfall (7-20 cm)** has been recorded at isolated places over Coastal Karnataka, Coastal Andhra Pradesh and Telangana.
- ❖ **Heavy rainfall (7-11 cm)** has been recorded at isolated places Kerala & Mahe, Odisha, Assam and Tamil Nadu.

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

Withdrawal of southwest Monsoon:

- ❖ The line of withdrawal of southwest monsoon now passes through 14°N/72°E, Karwar, Kalburgi, Nizamabad, Kanker, Keonjhar, Sagar Island, Guwahati and 28.0°N/ 92.5°E. ([ANNEXURE II](#))
- ❖ Southwest monsoon further withdrawn from some parts of Karnataka, some parts of Telangana, most parts of Maharashtra, entire Goa, remaining parts of Madhya Pradesh, Uttar Pradesh, most parts of Chhattisgarh, remaining parts of Bihar, entire Jharkhand, West Bengal & Sikkim and some parts of Odisha & Northeastern states.
- ❖ Conditions are favourable for further withdrawal of southwest monsoon from remaining parts Maharashtra, Telangana, Chhattisgarh, Odisha, and northeast States during next 2-3 days.

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

- ❖ An upper air cyclonic circulation lies over Coastal Andhra Pradesh & neighbourhood in lower tropospheric level.
- ❖ An upper air cyclonic circulation lies over south Assam in lower tropospheric level.
- ❖ An upper air cyclonic circulation lies over southwest Bay of Bengal & adjoining south Tamil Nadu in lower tropospheric level.

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

South Peninsular India:

- ❖ Light to moderate rain/thunderstorm at some/ isolated places with Isolated **heavy to very heavy rainfall** over Coastal Andhra Pradesh on 13th and isolated **heavy rainfall** likely over Telangana on 13th; Tamil Nadu and Kerala & Mahe during 13th -19th; South Interior Karnataka, Coastal Andhra Pradesh & Yanam and Rayalaseema during 13th – 16th; Lakshadweep on 17th & 18th October.
- ❖ Thunderstorm with lightning and gusty wind (speed reaching 30-40 kmph) over the region for next 4-5 days.

East & Central India:

- ❖ Light to moderate rain/thunderstorm at some/ isolated places with **isolated heavy rainfall** likely over Odisha on 13th October.
- ❖ Thunderstorm with lightning over Chhattisgarh during 13th -15th; Vidarbha during 14th -16th; Odisha on 14th & 15th October.

West India:

- ❖ Thunderstorm with lightning over Konkan & Goa and Madhya Maharashtra during 14th -17th and Marathawada during 14th -16th October.

Fisherman Warning:

Fishermen are advised not to venture into the following areas during 13th October to 18th October:

Arabian Sea:

- Along and off Kerala coast, Lakshadweep, Comorin areas on 16th, 17th October;

Bay of Bengal:

- Along and off north and adjoining south Andhra Pradesh coasts on 13th October; Tamil Nadu coast and adjoining sea areas on 16th & 17th October.
- Gulf of Mannar on 16th & 17th October.

ii. Weather conditions and forecast over Delhi/NCR during 13th to 16th 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>

ANNEXURE I

Rainfall recorded (in cm) during past 24 hours till 0830 hours IST of today, the 13th October (≥ 7cm):

- ❖ **Telangana:** Manuguru (dist B. Kothagudem) 13; Atmakur M (dist Y. Bhuvanagiri) 12; Gundala (dist B. Kothagudem), Mahabubabad (dist Mahabubabad), Aswapuram (dist B. Kothagudem) 11 Each; Burgampadu (dist B. Kothagudem) 10; Gudurwrgl (dist Mahabubabad), Venkatapuram (dist Mulugu), Kothaguda (dist Mahabubabad), Nallabelly (dist Warangal) 9 Each; Bayyaram (dist Mahabubabad), Chennaraopet (dist Warangal), Tadvai Mlg (dist Mulugu) 7 Each;
- ❖ **Coastal Andhra Pradesh & Yanam:** Kalingapatnam (dist Srikakulam) 13; Kaikalur (dist Eluru) 9; Sompeta (dist Srikakulam) 7;
- ❖ **Coastal Karnataka:** Dakshina Kannada_Puttur_Ramakunja-12, Dakshina Kannada_Belthangadi_Marodi-12, Puttur HMS (dist Dakshina Kannada) 7;
- ❖ **Kerala & Mahe:** Kanjirappally (dist Kottayam) 11; Padannakkad AWS (dist Kasargod), Ranni AWS (dist Pathanamthitta) 9 Each; Thodupuzha (dist Idukki), Punalur (dist Kollam) 7 Each;
- ❖ **Tamil Nadu:** Tenkasi AWS (dist Tenkasi), Ammundi (dist Vellore), Ayinkudi (dist Pudukkottai), Palar Anicut (dist Ranipet) 8 Each; Nanguneri (dist Tirunelveli), Thenkasi (dist Tenkasi), Wallajah (dist Ranipet), Virinjipuram AWS (dist Vellore) 7 Each;
- ❖ **Odisha:** Purushottampur (dist Ganjam) 8;
- ❖ **Assam:** Ghoramara (dist Sonitpur) 7.

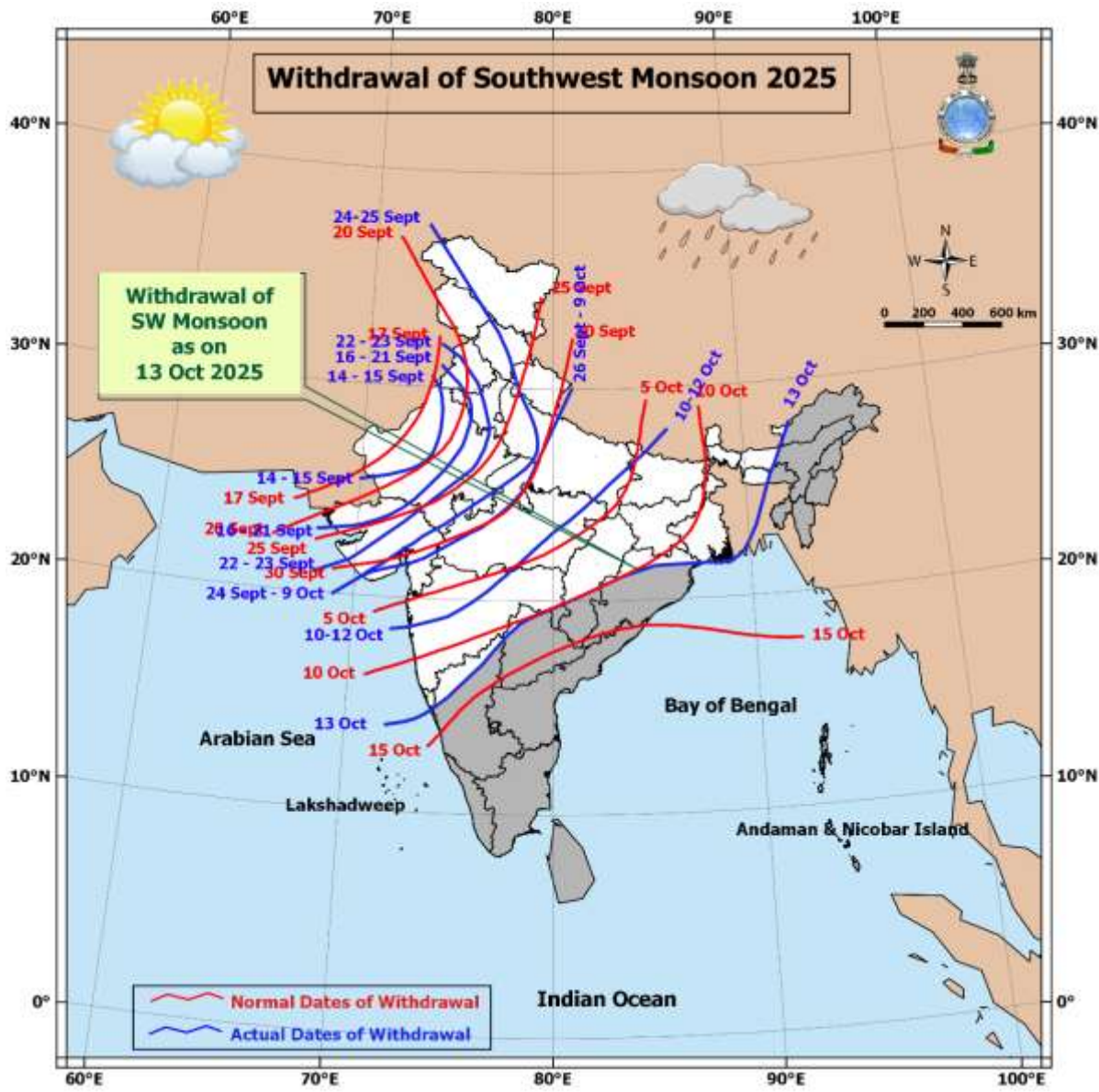
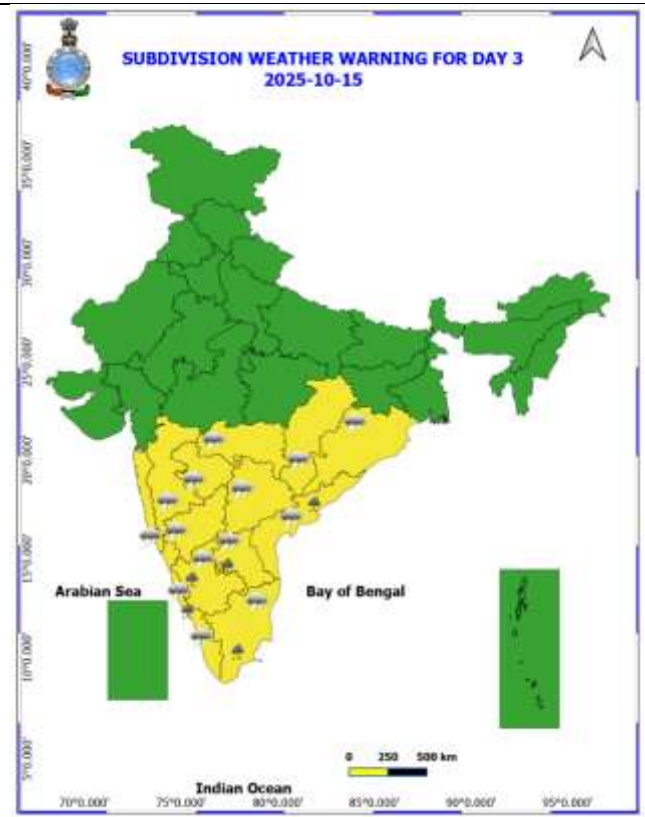
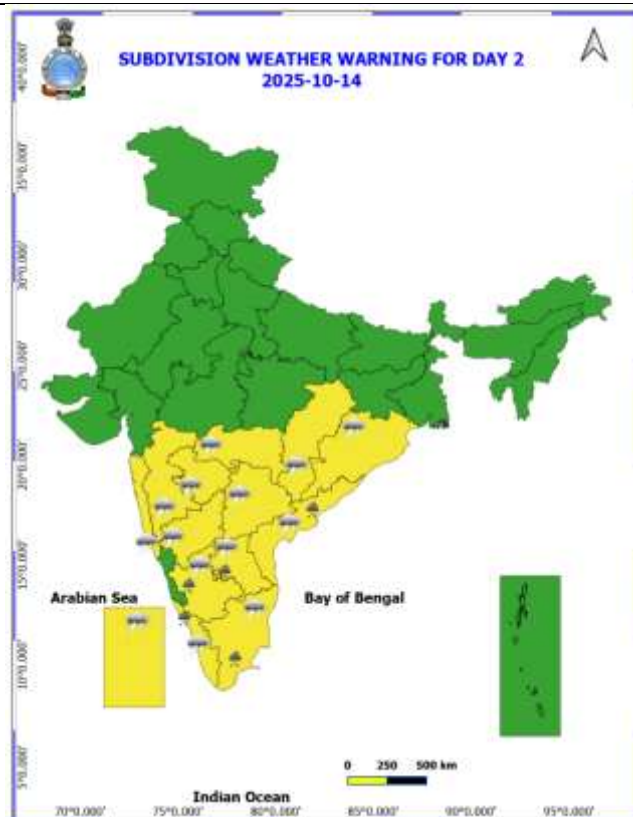
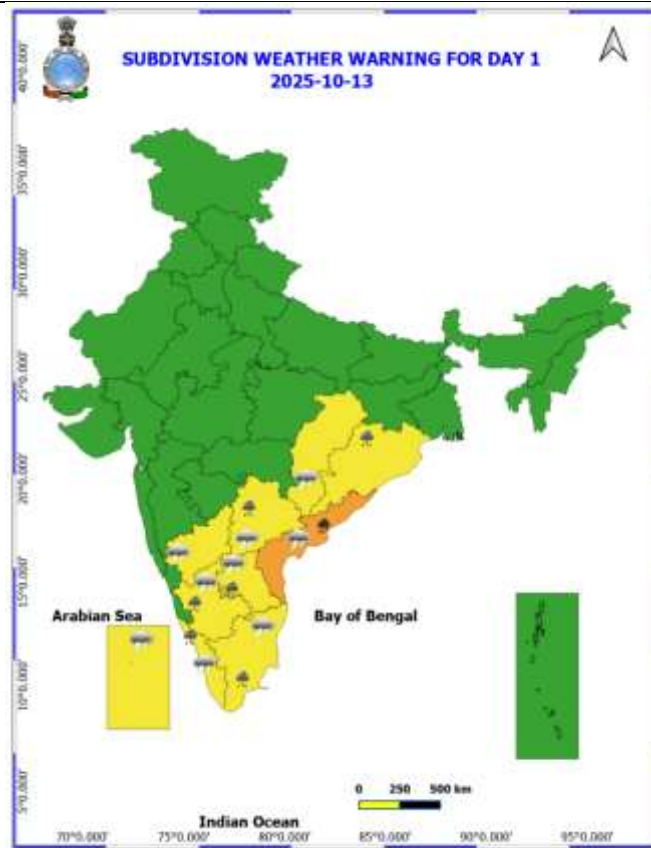
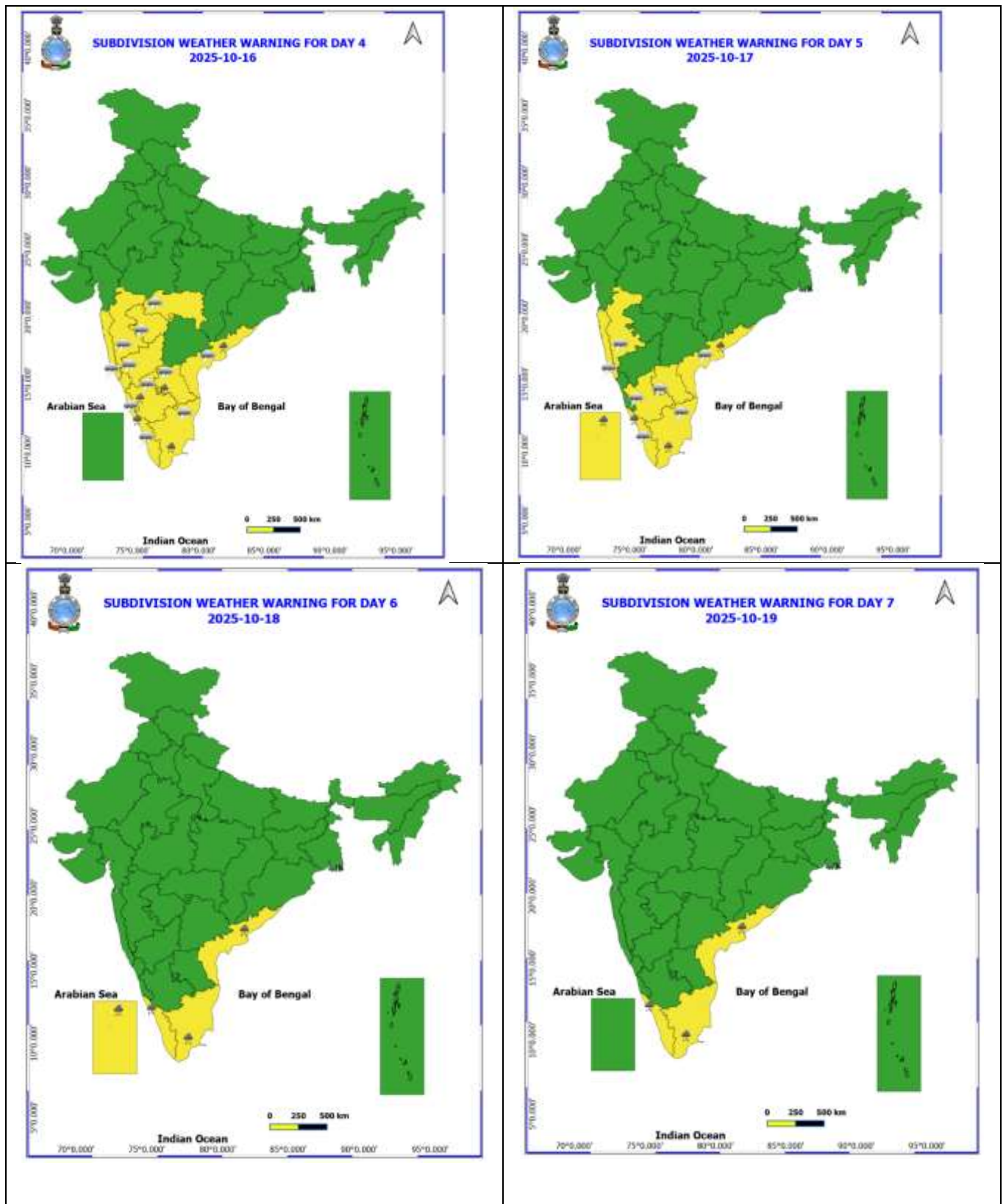


Table-1								
7 Days Rainfall Forecast								
S.No.	Subdivision	13- Oct	14- Oct	15- Oct	16- Oct	17- Oct	18- Oct	19- Oct
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	FWS	SCT	ISOL	ISOL	SCT	SCT	SCT
2	ARUNACHAL PRADESH	ISOL	DRY	DRY	DRY	DRY	DRY	ISOL
3	ASSAM & MEHGHALAYA	ISOL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

Weather forecast over Delhi/NCR during 13th to 16th October 2025

Past Weather:

There has been no large change in the minimum temperatures and rise in maximum temperature up to 01°C over Delhi/NCR during the past 24 hours. The maximum and minimum temperatures over Delhi were around 29 to 31°C and 17 to 19°C respectively. The minimum temperature was below normal up to 1 – 3°C and maximum temperature was below normal up to 2 – 5°C. Mainly clear sky conditions with predominant surface wind from the northwest direction with wind speeds up to 16 kmph prevailed during the past 24 hours. Mainly clear sky conditions with a wind speed of less than 10 kmph from the southwest direction prevailed over the region in the forenoon today.

Weather Forecast:

13.10.2025: Mainly clear sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 31 to 33°C. The maximum temperature will be below 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 05 -10 kmph during afternoon hours. The wind speed will decrease becoming less than 08 kmph from the northwest direction during the evening and night.

14.10.2025: Mainly clear sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 31 to 33°C and 18 to 20°C respectively. The minimum temperature will be near normal and the maximum temperature will be below 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 kmph during morning hours. The wind speed will gradually increase becoming less than 12 kmph from the northwest direction in the afternoon. The wind speed will decrease becoming less than 10 kmph from the northwest direction during the evening and night.

15.10.2025: Mainly clear sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 32 to 34°C and 19 to 21°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 southwest direction with a wind speed of up to 08 kmph during morning hours. The wind speed will increase becoming less than 12 kmph from the northwest direction in the afternoon. The wind speed will gradually decrease becoming less than 08 kmph from the north direction during the evening and night.

16.10.2025: Mainly clear sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 32 to 34°C and 19 to 21°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 southwest direction with a wind speed of up to 08 kmph during morning hours. The wind speed will increase becoming less than 12 kmph from the northwest direction in the afternoon. The wind speed will gradually decrease becoming less than 08 kmph from the north direction during the evening and night.

Impact & Action Suggested due to

❖ **Very heavy rainfall** over Coastal Andhra Pradesh on 13th October.

Impact Expected

- Localized Flooding of roads, water logging in low lying areas and closure of underpasses mainly in urban areas of the above region.
- Occasional reduction in visibility due to heavy rainfall.
- Disruption of traffic in major cities due to water logging in roads leading to increased travel time.
- Minor damage to kutcha roads.
- Possibilities of damage to vulnerable structure.
- Localized Landslides/Mudslides/landslips/mudslips/landsinks/mudsinks.
- Damage to horticulture and standing crops in some areas due to inundation.
- It may lead to riverine flooding in some river catchments mainly over Bihar, Jharkhand and West Bengal (for riverine flooding please visit Web page of CWC)

Action Suggested

- Check for traffic congestion on your route before leaving for your destination.

- Follow any traffic advisories that are issued in this regard.
- Avoid going to areas that face the water logging problems often.
- Avoid staying in vulnerable structure.

Agromet advisories for likely impact of Heavy Rainfall

- In **Tamil Nadu**, store the harvested produce of rice and groundnut in safer places. Provide adequate drainage facilities in fields of rice, cotton, turmeric, garlic, ginger and vegetables and plantations of coconut, banana and black pepper to avoid water stagnation.
- In **Kerala**, make provision to drain out excess water from fields of rice and plantations of banana, coconut, arecanut and black pepper.
- In **South Interior Karnataka**, keep the harvested produce of groundnut, maize pepper, cardamom, turmeric and coffee to dry, covered and ventilated areas or cover with tarpaulins in the fields. Make necessary arrangements to drain out excess water from fields of rice, maize, finger millet, pigeon pea, soybean, groundnut and vegetables and plantations of banana, black pepper, coconut and arecanut to avoid waterlogging.
- In **Coastal Andhra Pradesh**, provide adequate drainage facilities in fields of rice, maize, pigeon pea, black gram, green gram, groundnut, turmeric, ginger, vegetables and plantations of coconut, arecanut, banana, coffee and black pepper.
- In **Rayalseema**, maintain proper drainage in fields of rice, groundnut, cotton, turmeric and vegetables.
- In **Coastal Karnataka**, drain out excess water from fields of rice and plantations of coconut and arecanut.
- In **Telangana**, drain out excess water from fields of rice, maize, cotton, soybean, pigeon pea and turmeric.

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.
- Tie the harvested crops properly and cover them to minimise the risk of displacement due to strong surface 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 Marathwada.
 - **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

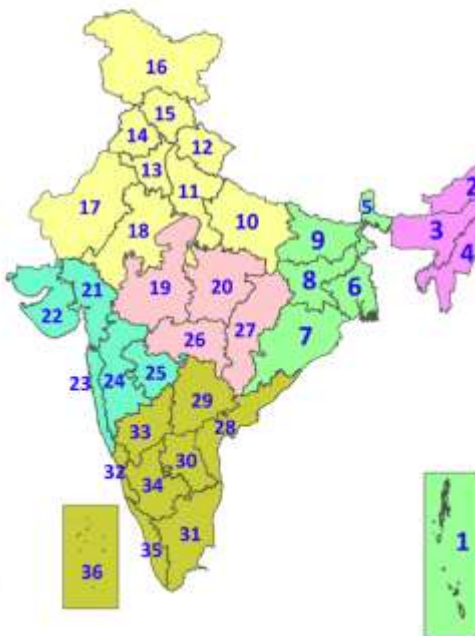
32. तटीय कर्नाटक

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)

* Red colour warning does not mean "Red Alert", Red colour warning means "Take Action".

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