



Government of India
Ministry of Earth Sciences
India Meteorological Department



Press Release
Date: 31st October, 2025
Time of Issue: 1315 hours IST

Subject: (i) Depression lay over eastcentral Arabian Sea and a well marked low pressure area lay over northwest Jharkhand & neighbourhood.
(ii) Under the influences of above systems, heavy to very heavy rainfall likely over Gujarat State and heavy rainfall over north Konkan and north Madhya Maharashtra on 31st October, 2025.
(iii) Heavy to very heavy rainfall likely over Bihar & Sikkim and isolated very heavy to extremely heavy rainfall over Sub-Himalayan West Bengal on 31st October, 2025.

Realised weather during past 24 hours ending at 0830 hours IST of today, the 31st October, 2025:

- ❖ Heavy to very heavy rainfall (7-20 cm) has been recorded at isolated places over Bihar and Jharkhand.
- ❖ Heavy rainfall (7- 11 cm) has been recorded at isolated places over Uttar Pradesh, Sub-Himalayan West Bengal, Madhya Pradesh, Chhattisgarh and Gujarat State.

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

Weather Systems, Forecast and Warnings (refer to ANNEXURE II & III):

- ❖ Yesterday's **Well Marked Low Pressure Area** over east Vidarbha & adjoining south Chhattisgarh moved north-northeastward and lay over northwest Jharkhand & neighbourhood at 0830 hrs IST of today, the 31st October 2025. It is likely to continue to move north-northeastwards across Bihar and weaken into a low pressure area during next 12 hours.
- ❖ Yesterday's Depression over eastcentral Arabian Sea moved north-northeastwards and lay centered at 0830 hrs IST of today, the 31st October 2025, over the same region, near latitude 18.9°N & longitude 68.5°E, about 300 km southwest of Veraval (Gujarat), 320 km southwest of Diu, 460 km west of Mumbai (Maharashtra) and 680 km west-northwest of Panjim (Goa). It is likely to move nearly north-northeastwards towards Gujarat coast across Eastcentral Arabian Sea during next 24 hours and weaken gradually thereafter.
- ❖ An upper air **cyclonic circulation** lies over South Myanmar coast and adjoining north Andaman Sea extends upto middle tropospheric levels. Under its influence a low pressure area is likely to form over eastcentral Bay of Bengal during next 48 hours.
- ❖ A fresh Western Disturbance is likely to influence Western Himalayan region from the night of 03rd November 2025.

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

East & Central India:

- ❖ Light to moderate rain/thunderstorm at many/some places with isolated **heavy rainfall** over Jharkhand and north Gangetic West Bengal on 31st October; southwest Madhya Pradesh, Andaman & Nicobar Islands, Sub-Himalayan West Bengal & Sikkim and Bihar on 31st October-01st November; with isolated **very heavy rainfall** over Bihar and Sikkim on 31st October.
- ❖ **Extremely heavy rainfall (≥21 cm)** likely at isolated places over Sub-Himalayan West Bengal on 31st October.
- ❖ Thunderstorm with lightning & gusty winds (speed reaching 30-40 kmph) over Andaman & Nicobar Islands during next 5 days; West Bengal & Sikkim, Bihar, Jharkhand, Odisha during next 2 days; with thunderstorm and lightning over Vidarbha & Chhattisgarh on 31st October; East Madhya Pradesh during 31st October-02nd November; West Madhya Pradesh during next 5 days.

West India:

- ❖ Light to moderate rain/thunderstorm at many/some places with isolated **heavy rainfall** over north Konkan & Goa, north Madhya Maharashtra on 31st October and Gujarat State on 31st October & 01st November with **isolated very heavy rainfall over Gujarat State on 31st October**.
- ❖ Thunderstorm with lightning & gusty winds (speed reaching 30-40 kmph) likely over Maharashtra region on 31st October and Gujarat State during next 3 days.

Northeast India:

- ❖ Light to moderate rain/thunderstorm at most/many places with isolated **heavy rainfall** over Arunachal Pradesh and Assam & Meghalaya on 31st October & 01st November and Nagaland on 31st October with isolated **very heavy rainfall over Arunachal Pradesh on 31st October**.
- ❖ Thunderstorm with lightning likely over the region during next 2 days.

Northwest India:

- ❖ Light to moderate rain/thunderstorm at isolated places with isolated **heavy rainfall** likely over East Uttar Pradesh on 31st October.
- ❖ Under the influence of Western disturbance, Light to moderate rainfall/snowfall likely over Northwest India during 04th-06th November.

Fishermen warning:

Fishermen are advised not to venture into the following areas during 31st October to 05th November:

Arabian Sea:

- Along and off north Konkan coast and adjoining sea area on 31st October & 1st November; along and off Gujarat coast and adjoining sea areas during 31st October to 3rd November; many parts of eastcentral, northeast Arabian Sea on 31st October & 1st November.

Bay of Bengal:

- Andaman Sea on 31st October to 5th November; eastern parts of eastcentral Bay of Bengal on 2nd November, eastern parts of eastcentral Bay of Bengal and adjoining northeast Bay of Bengal on 3rd November, most parts of eastcentral Bay of Bengal, northeast & adjoining northwest Bay of Bengal on 4th November.

ii. Weather conditions and forecast over Delhi/NCR during 31st October to 03rd November, 2025 (ANNEXURE IV)

For more details, kindly refer National Weather Bulletin:

https://mausam.imd.gov.in/responsive/all_india_forcast_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 31st October ($\geq 7\text{cm}$):

- ❖ **Bihar:** Birpur (dist Supaul) 15, Raghunathpur (dist Siwan) 10, Phulparas (dist Madhubani) 10, Rahghpur (dist Supaul) 9, Pratapganj (dist Supaul) 9, Andar (dist Siwan) 9, Chapra (dist Saran) 9, Pipra (dist Supaul) 9, Saraigarh Bhaptiyahi (dist Supaul) 9, Basantpur (dist Siwan) 9, Nirmali (dist Supaul) 8, Barhampur (dist Buxar) 8, Marauna (dist Supaul) 8, Pothia (dist Kishanganj) 8, Itarahi (dist Buxar) 8, Arrah (dist Bhojpur) 8, Bhagwanpur Hat (dist Siwan) 8, Buxar (dist Buxar) 8, Gopalganj (dist Gopalganj) 7, Dumraon (dist Buxar) 7, Narpatganj (dist Araria) 7, Supaul (dist Supaul) 7;
- ❖ **Jharkhand:** Dhanbad (dist Dhanbad) 12, Putki (dist Dhanbad) 9, Putki Dvc (dist Dhanbad) 9, Barkatha (dist Hazaribag) 9;
- ❖ **Sub-Himalayan West Bengal:** Maynaguri College (dist Jalpaiguri) 10, Palashbari Tea Estate (dist Jalpaiguri) 9, Washabari Tea Estate (dist Jalpaiguri) 9, Mogulkata Tea Estate (dist Jalpaiguri) 9, Buxaduar (dist Alipurduar) 8, Bagdogra Jaf (dist Darjeeling) 8, Moraghat Tea Estate (dist Jalpaiguri) 8, Sevoke (dist Darjeeling) 7, Murti (dist Jalpaiguri) 7, Bagrakote (dist Jalpaiguri) 7, Siliguri Pto (dist Darjeeling) 7, Leesh River Tea Garden (dist Jalpaiguri) 7, Damdim Tea Estate (dist Jalpaiguri) 7, Ghish (dist Jalpaiguri) 7, Jhallong (dist Kalimpong) 7, Tra

Nagrakata (dist Jalpaiguri) 7, Toorsa Tea Garden (dist Alipurduar) 7, Darjeeling (dist Darjeeling) 7, Diana Tea Estate (dist Jalpaiguri) 7;

- ❖ **West Uttar Pradesh:** Jalaun (dist Jalaun) 10;
- ❖ **East Uttar Pradesh:** Chunar (dist Mirzapur) 9, Mirzapur Tehsil (dist Mirzapur) 9, Lalganj (dist Mirzapur) 8, Ayoadhy (dist Ayodhya) 7, Mirzapur Cwc (dist Mirzapur) 7;
- ❖ **Chhattisgarh:** Salhewara (dist Khairagarh Chh Gandai) 8;
- ❖ **Saurashtra & Kutch:** Mahuva(b) (dist Bhavnagar) 8;
- ❖ **Gujarat Region:** Ghandinagar_aws (dist Gandhinagar) 7, Hansot (dist Bharuch) 7, Dahegam (dist Gandhinagar) 7;
- ❖ **East Madhya Pradesh:** Tamia (dist Chhindwara) 7, Amarkantak (dist Anuppur) 7;
- ❖ **West Madhya Pradesh:** Alirajpur (dist Alirajpur) 7.

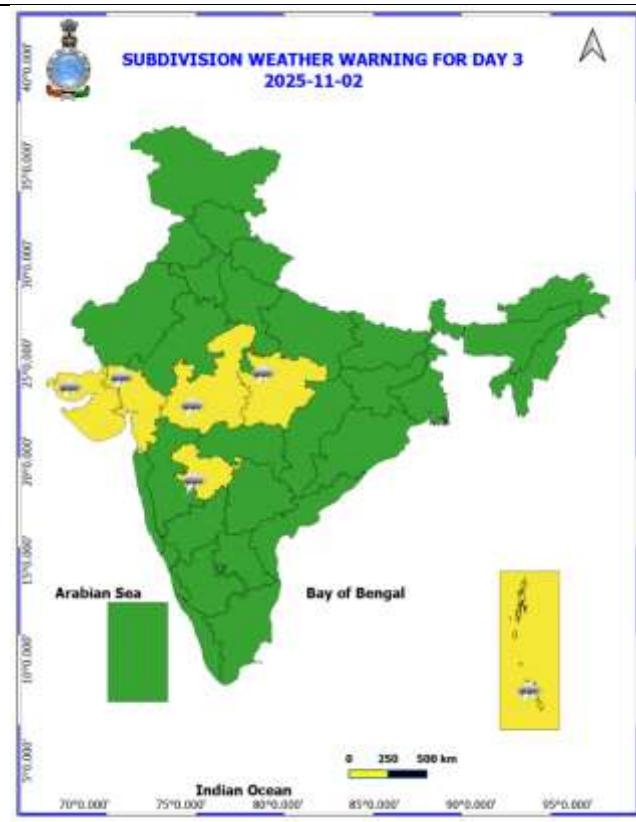
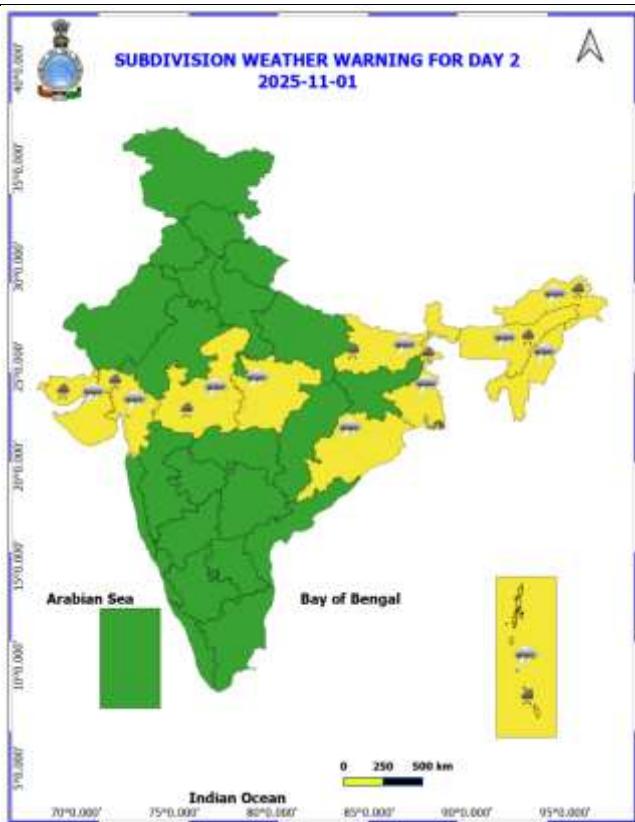
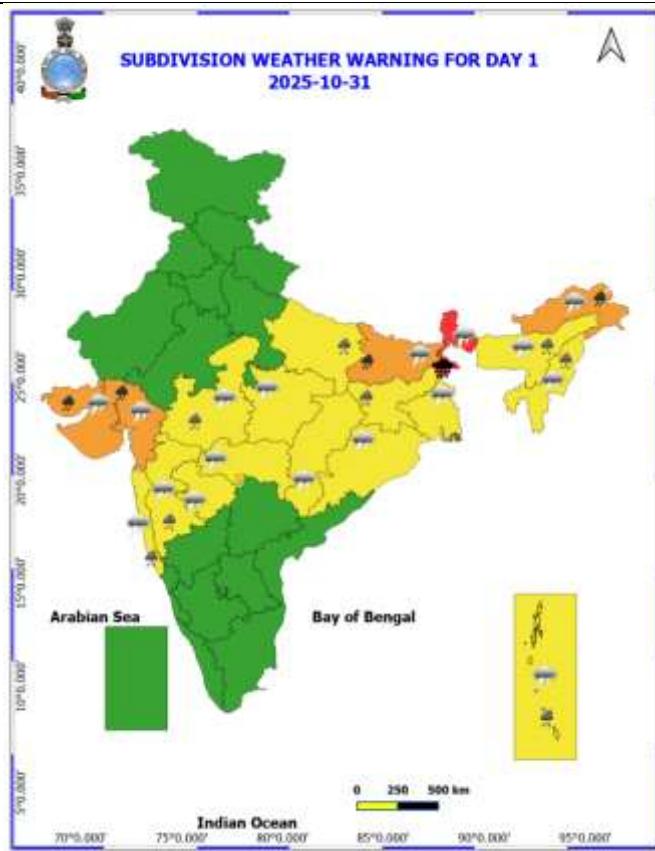
ANNEXURE II

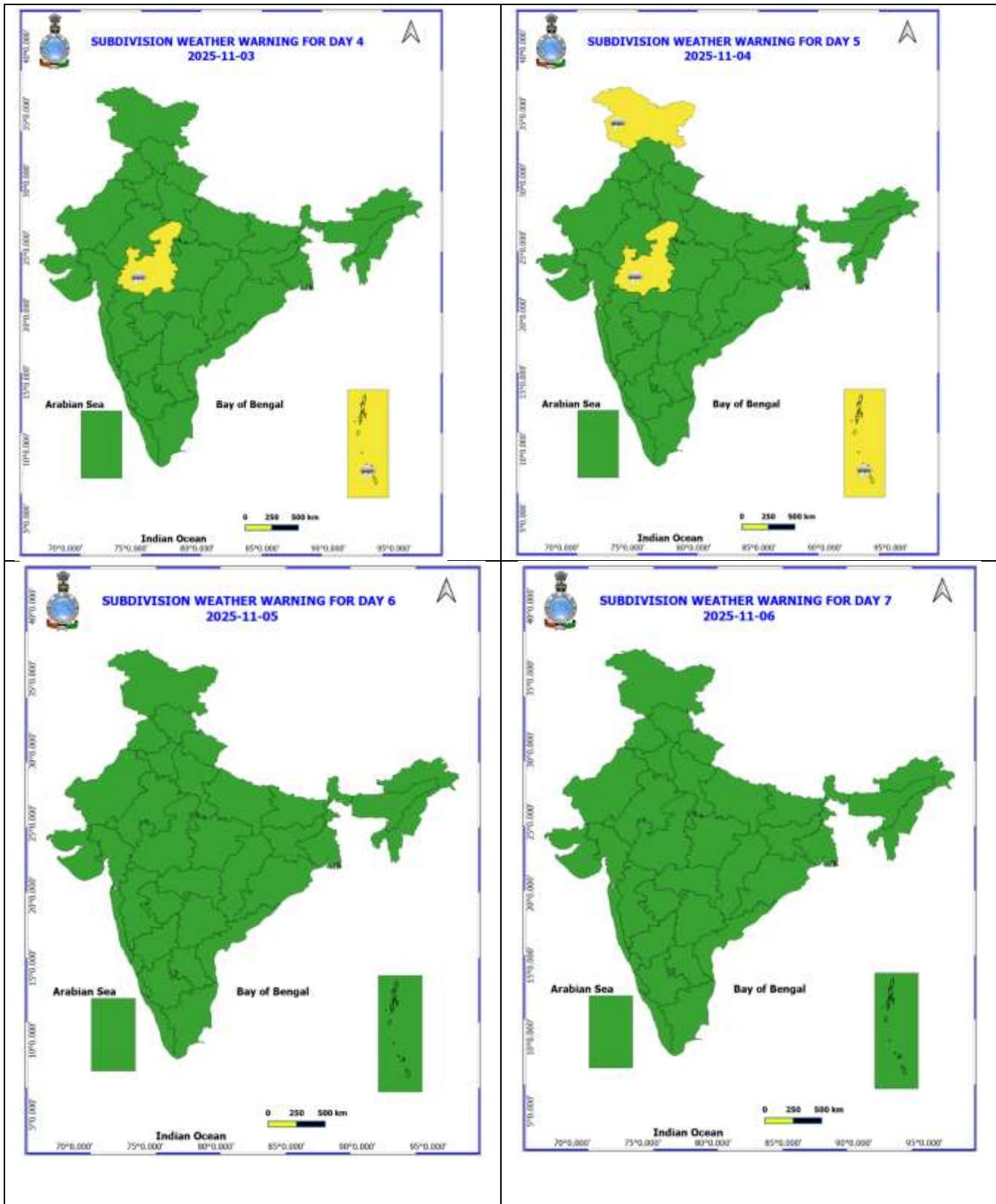
Table-1

7 Days Rainfall Forecast

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

DetaileddistrictwiseMultiHazardweatherwarningfornextfiveavailableat
<https://mausam.imd.gov.in/responsive/districtWiseWarningGIS.php>

Weather forecast over Delhi/NCR during 31st October to 03rd November 2025

Past Weather:

There has been rise in minimum temperature up to 1 - 2°C and fall in maximum temperature up to 1 - 2°C during past 24 hours over Delhi. The maximum and minimum temperatures over Delhi were around 26 to 27°C and 19 to 21°C respectively. The minimum temperature was above normal up to 2 - 6 °C and maximum temperature was below normal up to 4 - 5°C. Generally cloudy sky conditions with predominant surface wind from the southeast direction associated with calm wind as gradually increase becoming up to 10 kmph prevailed during the past 24 hours. Partly cloudy sky conditions associated with calm wind as gradually increase becoming up to 10 kmph from the northwest direction prevailed over the region in the forenoon today.

Weather Forecast:

31.10.2025: Partly cloudy sky. Haze/mist from evening onwards. The maximum temperatures were in the range of 28 to 30 °C. The maximum temperature will be below normal up to 1 - 3°C. The predominant surface wind will likely to be from the northwest direction with a wind speed of up to 08 kmph during afternoon hours. The wind speed will decrease becoming less than 05 kmph from the northeast direction during the evening and night.

01.11.2025: Mainly clear sky with smog/shallow fog during morning hours. The maximum and minimum temperatures over Delhi are likely to be in the range of 30 to 32°C and 18 to 20°C respectively. The minimum temperature will be above normal up to 1 - 3°C and the maximum temperature will be near normal. The predominant surface wind will likely to be from the west direction associated with calm wind as gradually increase becoming up to 05 kmph during morning hours. The wind speed will gradually increase becoming up to 15 kmph from the northwest direction in the afternoon. The wind speed will decrease becoming less than 05 kmph from the west direction during the evening and night.

02.11.2025: Mainly clear sky with haze/mist during morning hours. The maximum and minimum temperatures over Delhi are likely to be in the range of 30 to 32°C and 16 to 18°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 west direction associated with calm wind as gradually increasing up to 05 kmph during morning hours. The wind speed will increase becoming less than 15 kmph from the northwest direction in the afternoon. The wind speed will decrease becoming less than 05 kmph from the northwest direction during the evening and night.

03.11.2025: Mainly clear sky with mist/haze during morning hours. The maximum and minimum temperatures over Delhi are likely to be in the range of 29 to 31°C and 16 to 18°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 west direction associated with calm wind as gradually increasing up to 05 kmph during morning hours. The wind speed will increase becoming less than 15 kmph from the northwest direction in the afternoon. The wind speed will decrease becoming less than 08 kmph from the northeast direction during the evening and night.

Impact & Action Suggested due to

- ❖ **Extremely heavy rainfall (≥21 cm)** at isolated places over Sub-Himalayan West Bengal on 31st October.
- ❖ **Very heavy rainfall (12-20 cm)** over Bihar, Sikkim, Gujarat State and Arunachal Pradesh on 31st 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 kutch roads.
- Possibilities of damage to vulnerable structure.
- Localized Landslides/Mudslides/landslides/mudslides/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 / Heavy to Very Heavy / Extremely Heavy Rainfall

- In **West Bengal**, make arrangements to drain out excess water from fields of rice, groundnut, pulses, ginger and vegetables.
- In **Andaman and Nicobar Islands**, drain out excess water from the fields of rice, vegetable and plantation crops.
- In **Jharkhand**, harvest matured rice crop only during fair weather and store the harvested produce in safer places.
- In **Bihar**, harvest matured crops of rice and maize only during fair weather / non-rainy period and shift the produce to safer places.
- In **East Uttar Pradesh**, harvest matured crops of rice and vegetables only during fair weather / non-rainy period and store the produce in safe places.
- In **Gujarat**, harvest the matured crops of rice, groundnut, soybean, black gram, green gram, sesame, maize, pearl millet and vegetables (tomato, brinjal, chilli, okra, cucurbits etc.) only during fair weather and store the produce in safe places. Make provision to drain out excess water from standing crop fields.
- In **Madhya Pradesh**, harvest matured crops of rice, maize and soybean during fair weather only and shift the produce to safer places.
- In north **Konkan**, keep the harvested produce of rice and finger millet in safer places. In **Madhya Pradesh** and **Maharashtra**, store the harvested produce of rice, soybean, maize, groundnut and pearl millet in safe 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.
- 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 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. झारखण्ड

9. बिहार

10. पूर्वी उत्तर प्रदेश

11. पश्चिम उत्तर प्रदेश

12. उत्तराखण्ड

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. कोकण और गोवा

24. मध्य महाराष्ट्र

25. मराठवाड़ा

26. विदर्भ

27. छत्तीसगढ़

28. तटीय आंध्र प्रदेश और यनम

29. तेलंगाना

30. रायलसीमा

31. तमिलनाडु, पुदुचेरी और कराईकल

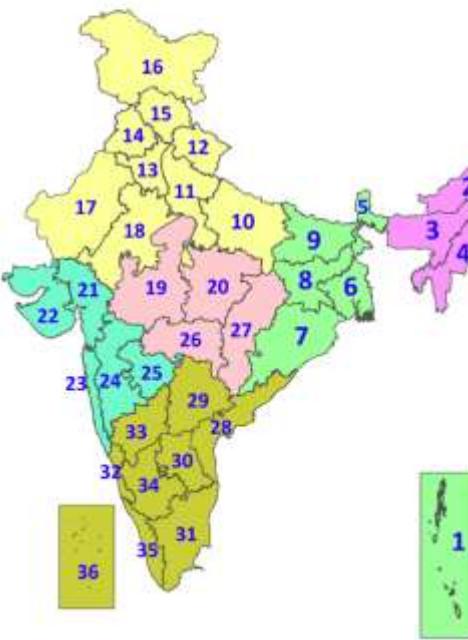
32. तटीय कर्नाटक

33. आतंरिक उत्तरी कर्नाटक

34. आतंरिक 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

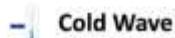
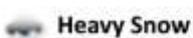
34. South Interior Karnataka

35. Kerala & Mahe

36. Lakshadweep

SPATIAL DISTRIBUTION (% of Stations reporting)

% Stations	Category	% Stations	Category
76-100	Widespread (WS/Most Places)		
51-75	Fairly Widespread (FWS/Many Places)		
26-50	Scattered (SCT/A Few Places)		
1-25	Isolated (ISOL)		



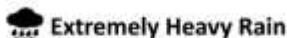
COLOUR CODED WARNING



No Warning (No Action)



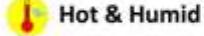
Watch (Be Aware)



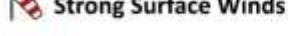
Alert (Be Prepared To Take Action)



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 *

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 $\geq 6.5^{\circ}\text{C}$

Heat Wave

(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 118-165 kmph (64 - 89 knots)

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

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

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

Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day.

For more details, kindly visit <https://mausam.imd.gov.in> or contact: 011-2434-4599

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