



Government of India
Ministry of Earth Sciences
India Meteorological Department



Press Release

Date: 01st November, 2025

Time of Issue: 1300 hours IST

Subject: (i) A Well Marked Low Pressure area lay over Eastcentral & Adjoining Northeast Arabian Sea and a Low Pressure area lay over northern parts of Gangetic West Bengal & neighbourhood.
(ii) Under the influences of the above systems, heavy rainfall at isolated places likely over Gujarat State, Konkan & Goa, Madhya Maharashtra, Sub-Himalayan West Bengal & Sikkim, Bihar and northeast region on 01st November, 2025.
(iii) Under the influence of the upper air Cyclonic Circulation over south Myanmar coast & adjoining north Andaman Sea, Heavy rainfall at isolated places likely over Andaman & Nicobar Islands on 01st & 02nd November, 2025.

Realised weather during past 24 hours ending at 0830 hours IST of today, the 01st November, 2025:

- ❖ Heavy to very heavy rainfall (7-20 cm) has been recorded at isolated places over Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Bihar and Konkan & Goa.
- ❖ Heavy rainfall (7- 11 cm) has been recorded at isolated places over Saurashtra & Kutch, Jharkhand and Assam & Meghalaya.

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 northwest Jharkhand & neighbourhood moved north-northeastwards and weakened into a **Low Pressure Area** over southwest Bihar & adjoining Jharkhand at 1730 hrs IST of yesterday, the 31st October 2025. It lay over northern parts of Gangetic West Bengal & neighbourhood at 0530 hrs IST of today, the 01st November 2025. It persisted over the same region at 0830 hrs IST of today, the 01st November 2025. The associated cyclonic circulation extended upto 3.1 km above mean sea level. It is likely to move north-northeastwards and become less marked during next 12 hours.
- ❖ Yesterday's **Depression** over eastcentral Arabian Sea moved east-northeastwards and weakened into a **Well Marked Low Pressure area** over Eastcentral & Adjoining Northeast Arabian Sea at 0530 hrs IST of today, the 01st November 2025. It persisted over the same region at 0830 hrs IST of today, the 01st November 2025. The associated cyclonic circulation extended upto 5.8 km above mean sea level. It is likely to continue to move east-northeastwards towards South Gujarat and adjoining North Maharashtra coasts across northeast Arabian Sea and weaken into a Low-Pressure Area during next 24 hours.
- ❖ An upper air **cyclonic circulation** lies over South Myanmar coast and adjoining north Andaman Sea and extends upto middle tropospheric levels. Under its influence a **Low Pressure area** is likely to form over eastcentral Bay of Bengal during next 24 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 Sub-Himalayan West Bengal & Sikkim and Bihar on 01st November and over Andaman & Nicobar Islands on 01st & 02nd November.
- ❖ Thunderstorm with lightning & gusty winds (speed reaching 30-40 kmph) likely over Andaman & Nicobar Islands during next 5 days. Thunderstorm and lightning likely over West Bengal & Sikkim, Odisha on 01st November; East Madhya Pradesh on 01st & 02nd November and West Madhya Pradesh during next 4 days.

West India:

- ❖ Light to moderate rain/thunderstorm at many/some places with isolated **heavy rainfall** over Konkan & Goa, Madhya Maharashtra and Gujarat State on 01st November.
- ❖ Thunderstorm with lightning & gusty winds (speed reaching 30-40 kmph) likely over Konkan & Goa and Madhya Maharashtra on 01st November; Gujarat State on 01st & 02nd November. Thunderstorm and lightning also likely over Konkan & Goa on 05th and over Madhya Maharashtra on 04th & 05th November.

Northeast India:

- ❖ Light to moderate rain/thunderstorm at most/many places with isolated **heavy rainfall** over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura on 01st November.
- ❖ Thunderstorm with lightning also likely over the entire region on 01st November.

Northwest India:

- ❖ Thunderstorm with lightning & gusty winds (speed reaching 40-50 kmph) likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 04th November. Thunderstorm and lightning likely over West Rajasthan on 03rd November and over East Rajasthan on 03rd and 04th November.
- ❖ 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 1st November to 6th November:

Arabian Sea:

- Along and off north Konkan coast and adjoining sea area on 1st November; along and off Gujarat coast and adjoining sea areas during 1st and 2nd November; some parts of eastcentral, many parts of northeast Arabian Sea on 1st November.
- **Bay of Bengal:**

Andaman Sea on 1st to 6th November; eastern parts of eastcentral Bay of Bengal on 2nd November, many parts of eastcentral Bay of Bengal and adjoining northeast Bay of Bengal on 3rd November, some parts of eastcentral Bay of Bengal on 4th November; along and off Myanmar, Bangladesh coasts on 4th, 5th November.

ii. Weather conditions and forecast over Delhi/NCR during 01st -04th 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>

Rainfall recorded (in cm) during past 24 hours till 0830 hours IST of today, the 01st November ($\geq 7\text{cm}$):

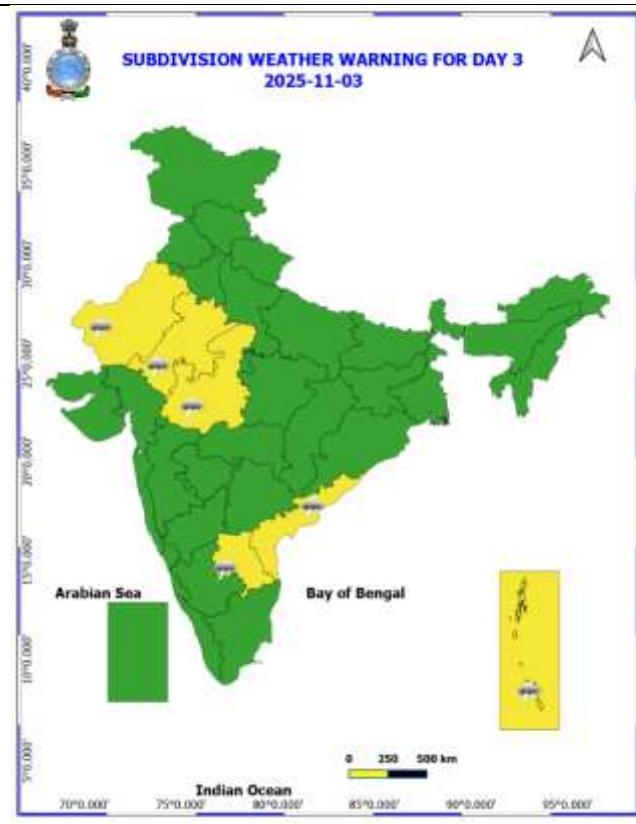
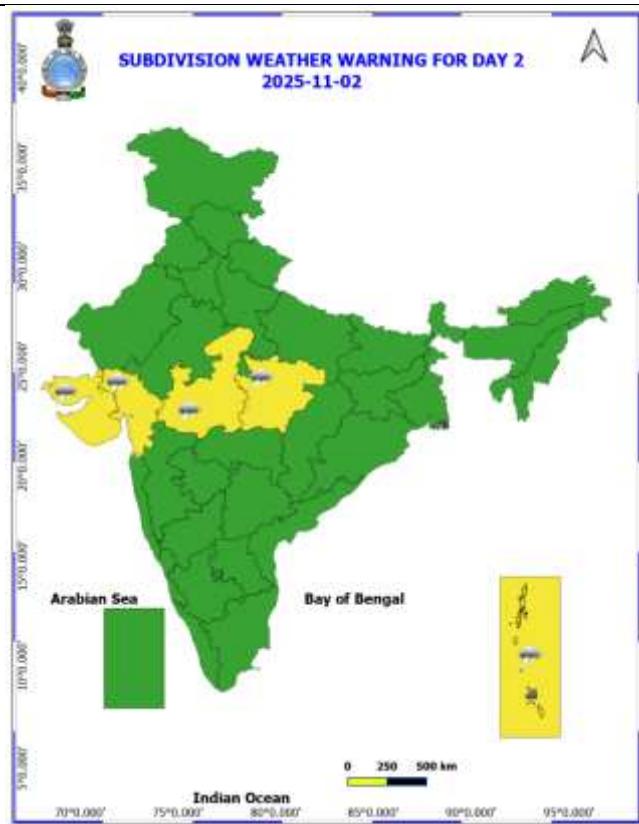
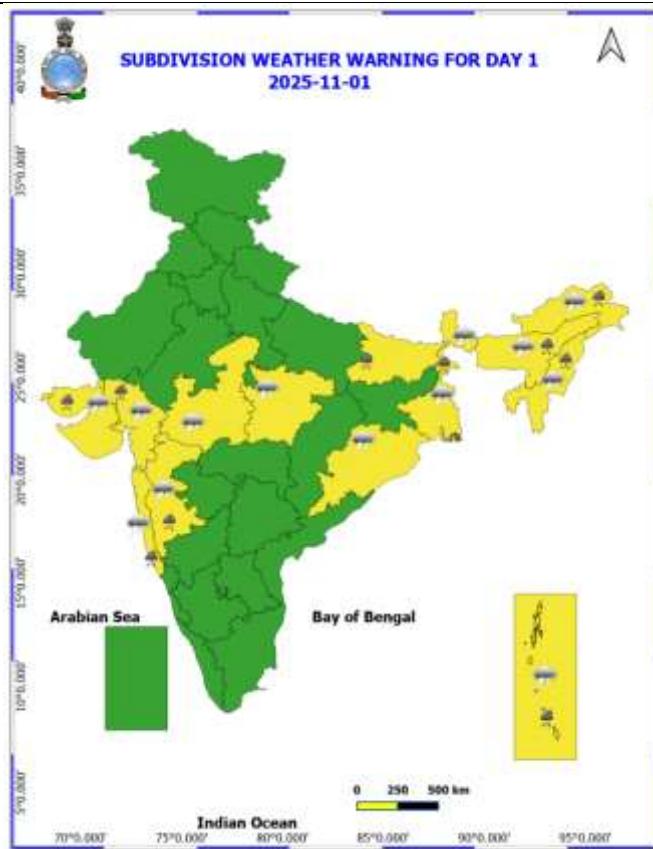
- ❖ **Sub-Himalayan West Bengal & Sikkim:** Denguajhar Tea Garden (dist Jalpaiguri) 18, Jalpaiguri (dist Jalpaiguri) 17, Moraghat Tea Estate (dist Jalpaiguri) 16, Domohani (dist Jalpaiguri) 16, Gairkata Tea Estate (dist Jalpaiguri) 16, Karballa Tea Estate (dist Jalpaiguri) 16, Dalgaon Tea Estate (dist Alipurduar) 15, Gajoldoba (dist Jalpaiguri) 15, Falakata (dist Alipurduar) 15, Jaybirpara Tea Estate (dist Alipurduar) 14, Noweranuddi Tea Garden (dist Jalpaiguri) 14, Nh31 Bridge (dist Jalpaiguri) 14, Mogulkata Tea Estate (dist Jalpaiguri) 14, Gopalpur Tea Estate (dist Alipurduar) 13, Diana Tea Estate (dist Jalpaiguri) 13, Hasimara (dist Alipurduar) 13, Aryaman Tea Estate (dist Alipurduar) 13, Chel (dist Jalpaiguri) 12, Palashbari Tea Estate (dist Jalpaiguri) 12, Dhupguri (dist Jalpaiguri) 12, Malda (dist Malda) 12, Baradighi T.e. (dist Jalpaiguri) 12, Subhasini Tea Estate (dist Alipurduar) 12, Anandpur Tea Estate (dist Jalpaiguri) 12, Beech Tea Garden (dist Alipurduar) 11, Dharala Valley Tea Esta (dist Jalpaiguri) 11, Banarhat High School (dist Jalpaiguri) 11, Toorsa Tea Garden (dist Alipurduar) 11, Amfu Majhian (dist South Dinajpur) 11, Nagarkata (dist Jalpaiguri) 11, Dima Tea Estate (dist Alipurduar) 11, Alipurduar (pto) (dist Alipurduar) 10, Oodlabari Tea Estate (dist Jalpaiguri) 10, Mahua Tea Estate Arg (dist Alipurduar) 10, Gandrapara Tea Garden (dist Jalpaiguri) 10, Good Hope Tea Estate (dist Jalpaiguri) 10, Bagrakote (dist Jalpaiguri) 10, Bhatkawa Tea Estate (dist Jalpaiguri) 10, Maynaguri College (dist Jalpaiguri) 10, Saraswatipur Tea Estate (dist Jalpaiguri) 10, Kailashpur Tea Estate (dist Jalpaiguri) 10, Gurjongjhora Tea Estate (dist Jalpaiguri) 9, Siliguri Pto (dist Darjeeling) 9, Bhutanghat (dist Alipurduar) 9, Patkapara Tea Estate (dist Alipurduar) 9, Raidak Tea Estate (dist Alipurduar) 9, Kurti T.e. (dist Jalpaiguri) 9, Kumargram (dist Alipurduar) 9, Bagdogra Iaf (dist Darjeeling) 9, Majherdabri Tea Garden (dist Alipurduar) 9, Bhagatpur Tea Estate (dist Jalpaiguri) 9, Mekhliganj (dist Cooch Behar) 9, Ghatia T.e. (dist Jalpaiguri) 9, Sankos Tea Estate (dist Alipurduar) 9, Baintgoorie T.e. (dist Jalpaiguri) 9, Neora (dist Jalpaiguri) 9, Namthang (dist Namchi) 9, Newlands Tea Garden (dist Alipurduar) 8, Kumargram Tea Estate (dist Alipurduar) 8, Ghish (dist Jalpaiguri) 8, Washabari Tea Estate (dist Jalpaiguri) 8, Murti (dist Jalpaiguri) 8, Soongachi T.e. (dist Jalpaiguri) 8, Indong T.e. (dist Jalpaiguri) 8, Tra Nagrakata (dist Jalpaiguri) 8, Zurrantee T.e (dist Jalpaiguri) 8, Amfu Pundibari (dist Cooch Behar) 8, Chalouni Tea Estate (dist Jalpaiguri) 8, Buxaduar (dist Alipurduar) 8, Sevoke (dist Darjeeling) 8, Kumlai T.e. (dist Jalpaiguri) 8, Lava (dist Kalimpong) 7, Jiti T.e. (dist Jalpaiguri) 7, Chengmari/diana (dist Jalpaiguri) 7, Leesh River Tea Garden (dist Jalpaiguri) 7, Hilla T.e. (dist Jalpaiguri) 7, Mathabhanga (dist Cooch Behar) 7, Barobhisha (dist Alipurduar) 7, Suryasen Mahavidyalaya (dist Darjeeling) 7.
- ❖ **Bihar:** Baltara (dist Khagaria) 17, Sangrampur (dist Monghyr) 15, Taibpur (dist Kishanganj) 13, Rupouli (dist Purnea) 12, Bhawanipur (dist Purnea) 10, Balrampur (dist Katihar) 9, Amarpur (dist Banka) 9, Laxmipur (dist Jamui) 9, Banka (dist Banka) 9, Rajoun (dist Banka) 9, Gogri (dist Khagaria) 9, Sonhaura (dist Bhagalpur) 9, Birpur (dist Supaul) 8, Thakurganj (dist Kishanganj) 8, Saraigarh Bhaptiyahi (dist Supaul) 8, Bahadurganj (dist Kishanganj) 8, Manihari (dist Katihar) 8, Korha (dist Katihar) 7, Buxar (dist Buxar) 7, Baisa (dist Purnea) 7, Tarapur (dist Monghyr) 7, Bhagalpur (dist Bhagalpur) 7, Sultanganj (dist Bhagalpur) 7, Kursela (dist Katihar) 7, Islamnagar Aliganj (dist Jamui) 7, Puraini (dist Madhepura) 7,
- ❖ **Arunachal Pradesh:** Hayuliang_circle(aws) (dist Anjaw) 16, Hawai (dist Anjaw) 7.
- ❖ **Konkan & Goa:** Rameshwar_agri (dist Sindhudurg) 12, Lanja (dist Ratnagiri) 12, Dodamarg (dist Sindhudurg) 8, Sawantwadi (dist Sindhudurg) 8.
- ❖ **Saurashtra & Kutch:** Rajula (dist Amreli) 9, Khambha (dist Amreli) 8, Talaja (dist Bhavnagar) 7.
- ❖ **Jharkhand:** Mehgawan (dist Godda) 8, Boarijore (dist Godda) 8.
- ❖ **Assam & Meghalaya:** Dhemaji (dist Dhemaji) 8.

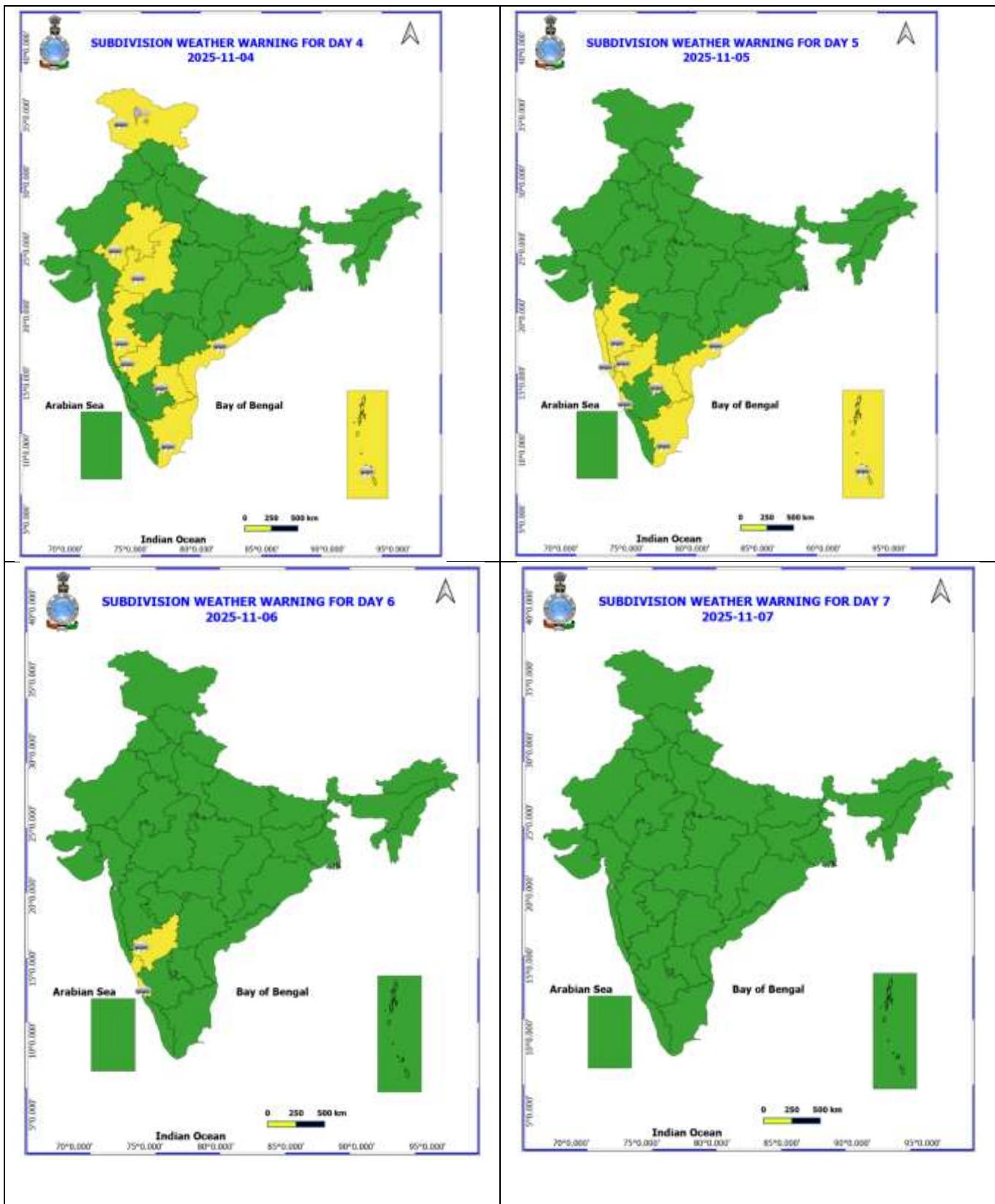
ANNEXURE II

Table-1
7 Days Rainfall Forecast

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

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

Weather forecast over Delhi/NCR during 01st to 04th November 2025

Past Weather:

There has been fall in minimum temperature up to 1 - 2°C and rise in maximum temperature up to 2 - 3°C during past 24 hours over Delhi. The maximum and minimum temperatures over Delhi were around 28 to 30°C and 17 to 19°C respectively. The minimum temperature was above normal up to 2 - 3 °C and maximum temperature was below normal up to 1 - 3°C. Shallow fog was reported at Safdarjung and Palam airport. Safdarjung airport recorded the lowest visibility 800 m at 0800 Hrs IST on 01.11.2025 which thereafter improved becoming 1200m at 0830 Hrs IST. Palm Airport recorded lowest visibility 900m from 0800 Hrs IST to 0830 Hrs IST which thereafter improve becoming 1000m at 0900 Hrs IST on 01.11.2025. Partly cloudy sky conditions with predominant surface wind from the northwest direction associated with calm wind as gradually increase becoming up to 10 kmph prevailed during the past 24 hours. Mainly clear sky conditions associated with calm wind as gradually increase becoming up to 08 kmph from the southwest direction prevailed over the region in the forenoon today.

Weather Forecast:

01.11.2025: Mainly clear sky. Mist/smog from evening onwards. The maximum temperatures were in the range of 30 to 32°C. 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 15 kmph during afternoon hours. The wind speed will decrease becoming less than 08 kmph from the northwest direction during the evening and night.

02.11.2025: 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 17 to 19°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 northwest direction associated with calm wind as gradually increase becoming up to 08 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 08 kmph from the northwest direction during the evening and night.

03.11.2025: 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 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 northwest direction associated with calm wind as gradually increasing up to 10 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 southwest direction during the evening and night.

04.11.2025: Partly cloudy 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 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 southeast direction associated with calm wind as gradually increasing up to 05 kmph during morning hours. The wind speed will increase becoming less than 10 kmph from the southeast direction in the afternoon. The wind speed will decrease becoming less than 08 kmph from the southeast direction during the evening and night.

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

- In **Sub Himalayan West Bengal**, drain out excess water from rice, ginger, vegetables and fruit orchards.
- In **Andaman and Nicobar Islands**, drain out excess water from the fields of rice, vegetable and plantation crops.
- In **Bihar**, keep the harvested produce of rice and maize crops at safer places and drain out excess water from crop fields.
- In **Gujarat**, keep the harvested produce of rice, groundnut, soybean, black gram, green gram, sesame, maize, pearl millet and vegetables (tomato, brinjal, chilli, okra, cucurbits etc.) in safe places. Ensure proper drainage to drain out excess water from standing crop fields.
- In **Konkan**, keep the harvested produce of rice and finger millet in safer places. Make arrangements to drain out excess water from rice, finger millet, groundnut and turmeric fields. In **Madhya Maharashtra**, store the harvested produce of rice, soybean, maize, groundnut and pearl millet in safe places.
- In **Arunachal Pradesh**, drain out excess water from the fields of rice, field pea and banana orchards.

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

- 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. 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, पुडुचेरी और कराईकल

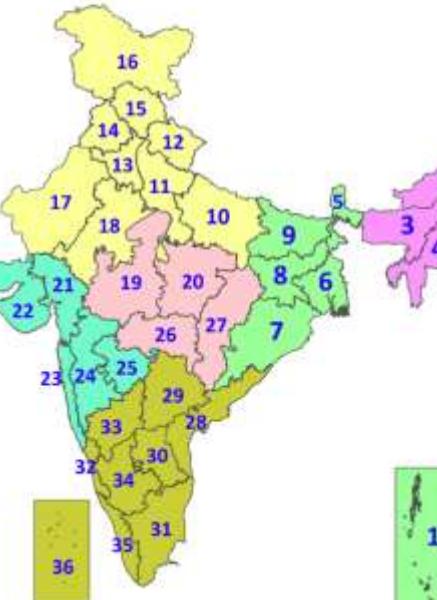
32. तटीय कर्नाटक

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

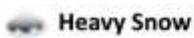
34. South Interior Karnataka

35. Kerala & Mahe

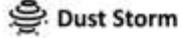
36. Lakshadweep

SPATIAL DISTRIBUTION (% of Stations reporting)

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



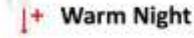
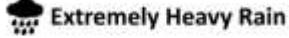
COLOUR CODED WARNING



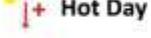
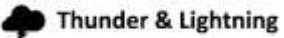
No Warning (No Action)



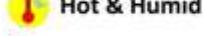
Watch (Be Aware)



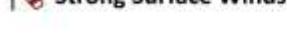
Alert (Be Prepared To Take Action)



Warning (Take Action)



Probabilistic Forecast



Terms	Probability of Occurrence (%)
Unlikely	< 25
Likely	25 - 50
Very Likely	50 - 75
Most Likely	> 75

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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)

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