



Government of India
Ministry of Earth Sciences
India Meteorological Department



Press Release

Date: 11th August 2026

Time of Issue: 1340 hours IST

Subject: (i) Under the influence of Low Pressure Area over northwest Madhya Pradesh, isolated extremely heavy rainfall likely over East Rajasthan today, the 11th and very heavy on 12th August, 2026.

(ii) Isolated heavy to very heavy rainfall likely over Western Himalayan Region and isolated heavy rainfall over plains of northwest India during most days of the week.

(iii) A Low Pressure Area is likely to form over northwest Bay of Bengal & neighbourhood around 12th August, 2026. Under its influence, isolated heavy to very heavy rainfall likely over Odisha during 11th to 13th August, 2026.

Realised weather during past 24 hours ending at 0830 hours IST of today, the 11th August, 2026:

- ❖ **Isolated Exceptionally heavy rainfall (≥ 30 cm)** has been recorded over East Rajasthan.
- ❖ **Extremely heavy rainfall (≥ 21 cm)** has been recorded over West Madhya Pradesh.
- ❖ **Very Heavy rainfall (12-20 cm)** has been recorded over Jammu-Kashmir, Punjab, West Uttar Pradesh and Meghalaya.
- ❖ **Heavy rainfall (7-11 cm)** has been recorded over Gangetic West Bengal, Himachal Pradesh, Uttarakhand, Haryana, West Rajasthan, Madhya Maharashtra, Gujarat Region, Tamil Nadu, Chhattisgarh and Tripura.

Weather Systems, Forecast and Warnings (Annexure I & II):

- ❖ The **monsoon trough** is active and lies south of its normal position in lower tropospheric levels.
- ❖ Yesterday's the **Low Pressure Area** over North Madhya Pradesh and neighbourhood lay over Northwest Madhya Pradesh at 0830 hrs IST of today, 11th August, 2026.
- ❖ The **Western Disturbance** as a trough in middle tropospheric westerlies with its axis in middle tropospheric level runs roughly along Long. 68°E to the north of Lat. 30°N.
- ❖ An **upper air cyclonic circulation** over northwest Bay of Bengal & neighbourhood in upper tropospheric level tilting southwestwards with height persists. Under its influence, a **Low Pressure Area** is likely to form over the same region around 12th August, 2026.

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

Northwest India:

- ❖ **Fairly Widespread to Widespread** rainfall likely over Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and Uttarakhand during 11th-17th August.
- ❖ **Fairly Widespread to Widespread** rainfall likely over Punjab on 14th August; Haryana Chandigarh & Delhi during 11th-12th August and during 14th-15th August; East Uttar Pradesh during 14th-17th August; West Rajasthan on 12th August; East Rajasthan during 11th-13th August.
- ❖ **Isolated to Scattered** rainfall likely over rest parts of northwest India.
- ❖ **Isolated thunderstorm & lightning** likely over Uttarakhand during 11th-17th August; West Uttar Pradesh on 11th August.
- ❖ **Isolated heavy rainfall** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 12th-17th August; Himachal Pradesh during 12th-13th August and during 15th-17th August; Uttarakhand during 11th-13th August and during 15th-17th August; Punjab on 12th August and during 14th-17th August; Haryana Chandigarh & Delhi and West Uttar Pradesh during 14th-17th August; East Uttar Pradesh during 13th-17th August; West Rajasthan during 11th-12th August; East Rajasthan on 11th August and during 13th-14th August with isolated **very heavy rainfall** also likely over Haryana Chandigarh & Delhi, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Punjab and West Uttar Pradesh on 11th August; Himachal Pradesh on 11th August and on 14th August; Uttarakhand on 14th August; East Rajasthan on 12th August.
- ❖ **Heavy to very heavy rainfall with extremely heavy rainfall likely at isolated places over East Rajasthan on 11th August.**

Central India:

- ❖ **Fairly Widespread to Widespread** rainfall likely over West Madhya Pradesh during 11th-15th August; Chhattisgarh and East Madhya Pradesh during 11th-17th August; Vidarbha during 12th-13th August and on 17th August.
- ❖ **Isolated to Scattered** rainfall likely over West Madhya Pradesh during 16th-17th August; Vidarbha on 11th August and during 14th-16th August.
- ❖ Isolated **thunderstorm & lightning** likely over Chhattisgarh during 11th-15th August.
- ❖ Isolated **heavy rainfall** likely over West Madhya Pradesh during 11th-13th August; East Madhya Pradesh during 13th-16th August; Chhattisgarh during 11th-14th August with isolated **very heavy rainfall** also likely over West Madhya Pradesh on 11th August.

East India:

- ❖ **Fairly Widespread to Widespread** rainfall likely over Andaman & Nicobar Islands, Gangetic West Bengal and Odisha during 11th-17th August; Jharkhand and Sub-Himalayan West Bengal & Sikkim during 12th-17th August; Bihar during 14th-17th August.
- ❖ **Isolated to Scattered** rainfall likely over Jharkhand and Sub-Himalayan West Bengal & Sikkim on 11th August; Bihar during 11th-13th August.
- ❖ Isolated **thunderstorm & lightning** likely over Bihar and Odisha on 11th August.
- ❖ Isolated **heavy rainfall** likely over Andaman & Nicobar Islands during 12th-13th August; Sub-Himalayan West Bengal & Sikkim during 11th-17th August; Gangetic West Bengal on 11th August and during 13th-15th August; Jharkhand during 13th-15th August; Bihar and Odisha during 14th-17th August with isolated **very heavy rainfall** also likely over Gangetic West Bengal on 12th August; Odisha during 11th-13th August.
- ❖ **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Andaman & Nicobar Islands during 11th-12th August.
- ❖ **Moderate to severe lightning activity over Gangetic West Bengal, Odisha on 11th and Jharkhand on 11th & 12th August.**

Northeast India:

- ❖ **Isolated to Scattered** rainfall likely over Arunachal Pradesh and Assam & Meghalaya on 11th August.
- ❖ **Fairly Widespread to Widespread** rainfall likely over Arunachal Pradesh and Assam & Meghalaya during 12th-17th August; Nagaland, Manipur, Mizoram & Tripura during 11th-17th August.
- ❖ Isolated **thunderstorm & lightning** likely over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 11th-15th August.
- ❖ Isolated **heavy rainfall** likely over Arunachal Pradesh during 12th-14th August; Assam & Meghalaya during 11th-14th August; Nagaland, Manipur, Mizoram & Tripura during 11th-17th August with isolated **very heavy rainfall** also likely over Arunachal Pradesh and Assam & Meghalaya during 15th-17th August.

West India:

- ❖ **Fairly Widespread to Widespread** rainfall likely over Konkan & Goa during 11th-17th August; Madhya Maharashtra during 11th-12th August; Gujarat Region during 11th-13th August.
- ❖ **Isolated to Scattered** rainfall likely over Madhya Maharashtra during 13th-17th August; Marathwada and Saurashtra & Kutch during 11th-17th August; Gujarat Region during 14th-17th August.
- ❖ Isolated **thunderstorm & lightning** likely over Gujarat Region and Saurashtra & Kutch during 11th-12th August.
- ❖ Isolated **heavy rainfall** likely over Konkan & Goa during 11th-15th August; Madhya Maharashtra on 11th August and during 13th-15th August; Gujarat Region during 11th-12th August with isolated **very heavy rainfall** also likely over Madhya Maharashtra on 12th August.

South Peninsular India:

- ❖ **Isolated to Scattered** rainfall likely over Coastal Andhra Pradesh & Yanam, Rayalaseema and Tamil Nadu, Puducherry & Karaikal during 11th-17th August; Lakshadweep during 16th-17th August; North Interior Karnataka and South Interior Karnataka during 12th-17th August; Telangana during 11th-16th August.
- ❖ **Fairly Widespread to Widespread** rainfall likely over Coastal Karnataka and Kerala & Mahe during 11th-17th August; Lakshadweep during 11th-15th August; North Interior Karnataka and South Interior Karnataka on 11th August.
- ❖ Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Coastal Andhra Pradesh & Yanam, North Interior Karnataka, Rayalaseema and Tamil Nadu, Puducherry & Karaikal during 11th-13th August, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Coastal Karnataka and South Interior Karnataka during 11th-13th August; Telangana during 11th-14th August.
- ❖ **Strong Surface Winds** likely over Coastal Andhra Pradesh & Yanam, Coastal Karnataka, North Interior Karnataka, Rayalaseema and South Interior Karnataka during 11th-13th August; Telangana during 11th-14th August.

Fishermen Warning:

- ❖ **Arabian Sea:** Along and off Somalia and Oman coast, most parts of westcentral Arabian Sea and some parts of southwest Arabian sea adjoining north & eastcentral Arabian Sea till 15th August;
- ❖ **Bay of Bengal:** Along and off West Bengal, Odisha coasts, most parts of northwest adjoining northeast Bay of Bengal during 11th to 15th August; off north Andhra Pradesh coasts, some parts of westcentral adjoining eastcentral Bay of Bengal during 13th to 15th August; over Andaman Sea till 15th August; few parts of southwest Bay of Bengal adjoining south Sri Lanka coasts and Comorin area till 15th August.

Weather conditions and forecast over Delhi/NCR during next 4 days (Annexure III)

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/fishermenwarning.php>

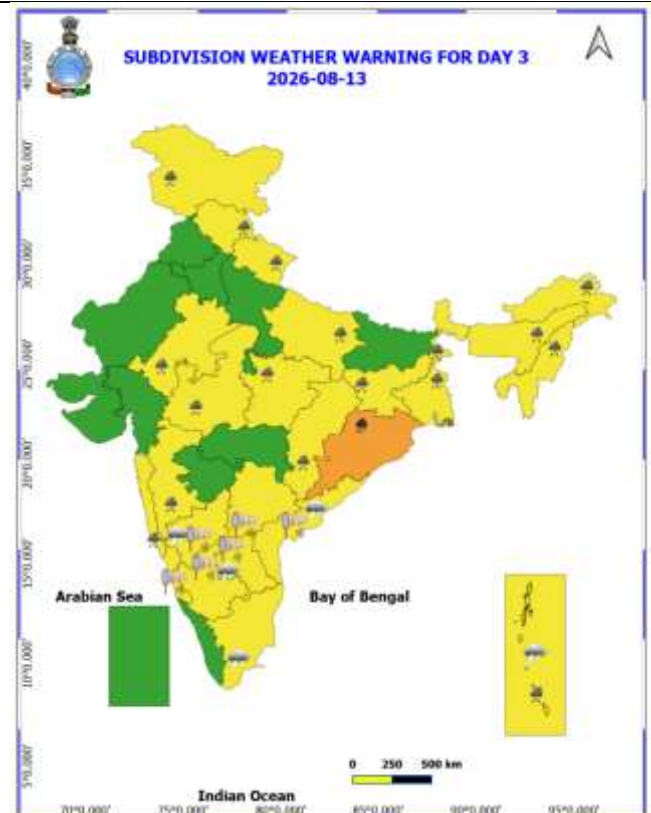
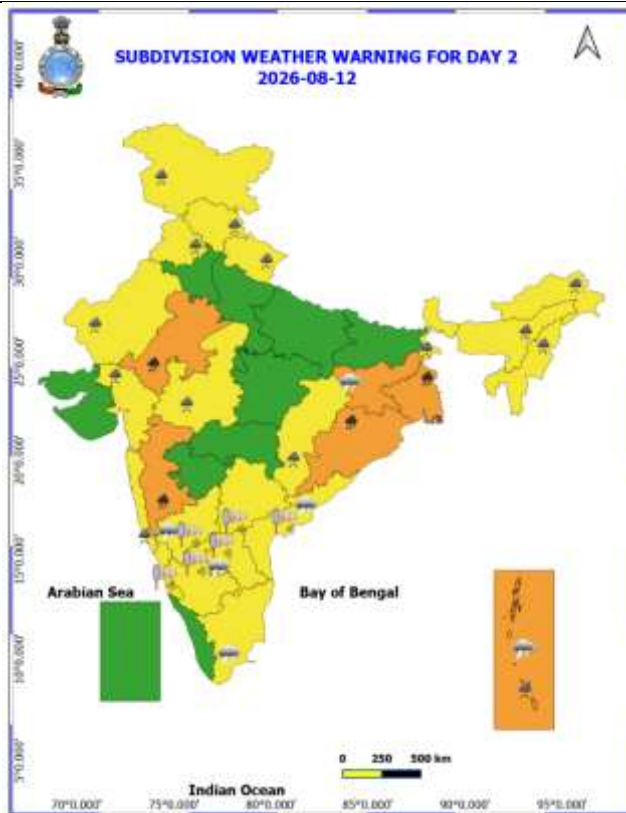
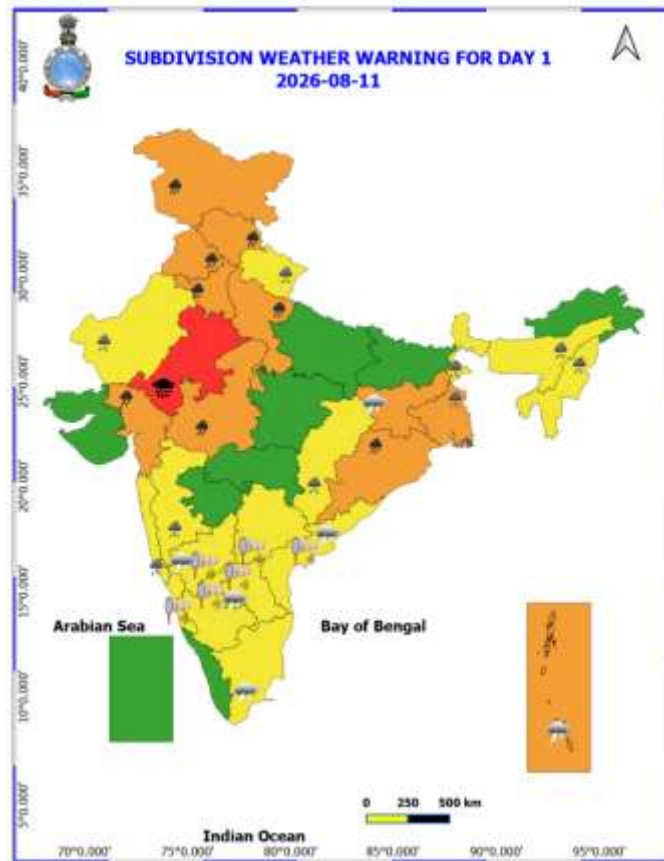
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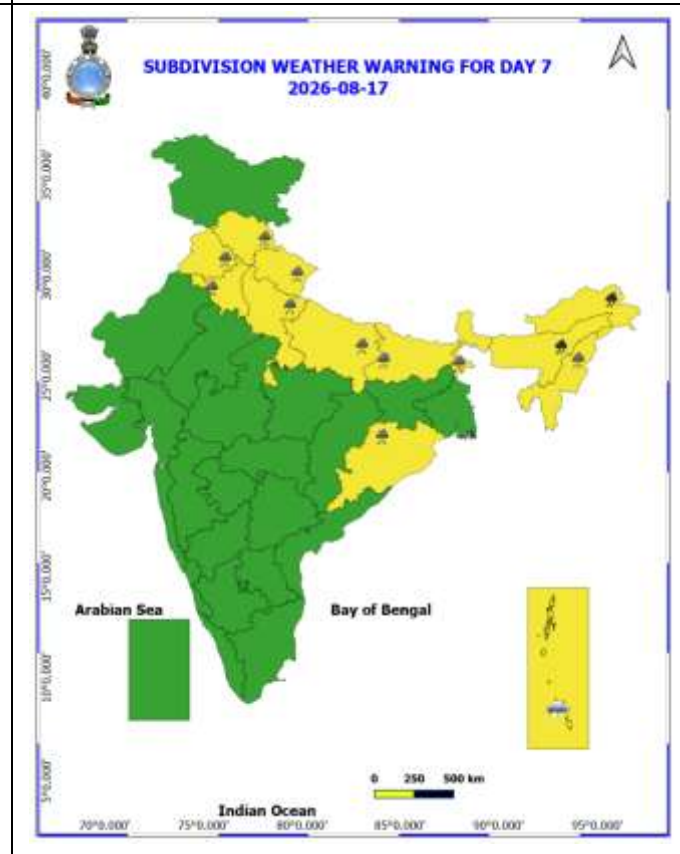
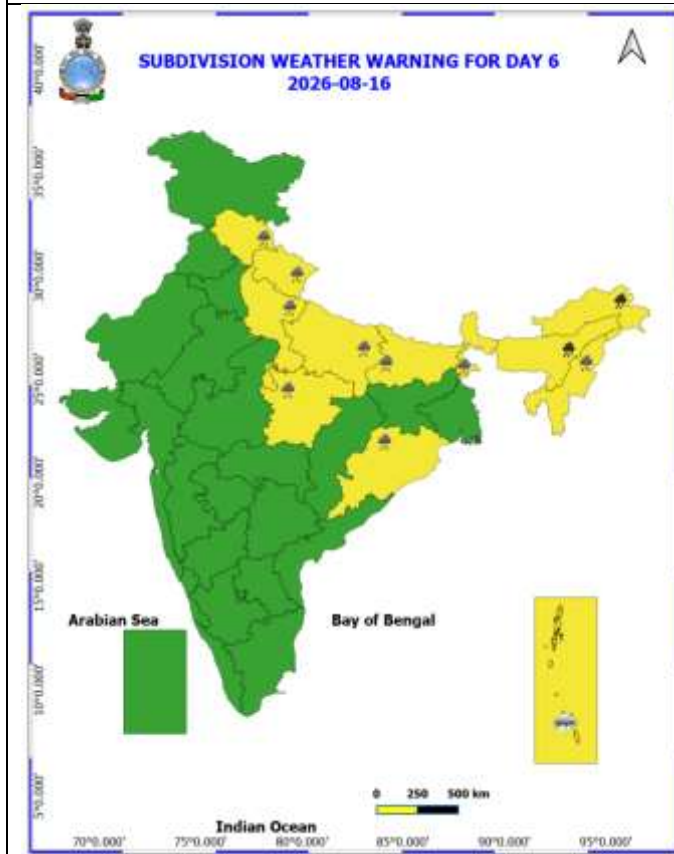
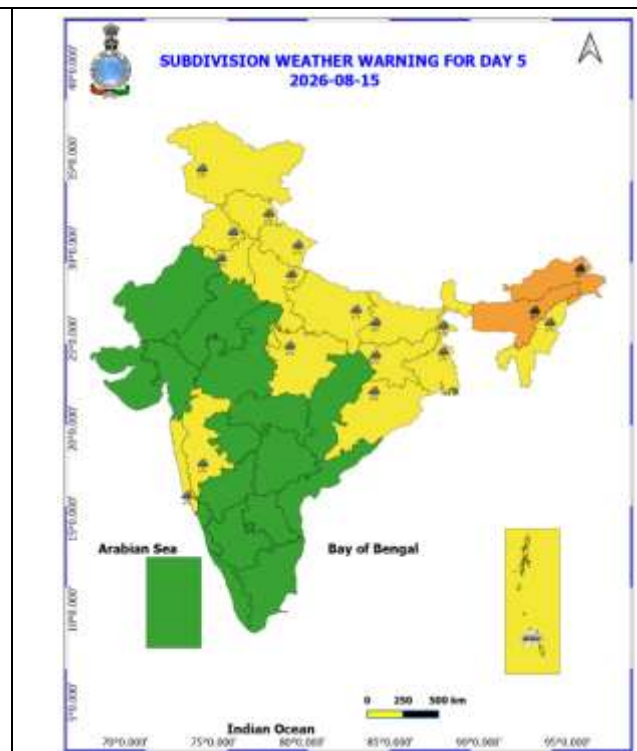
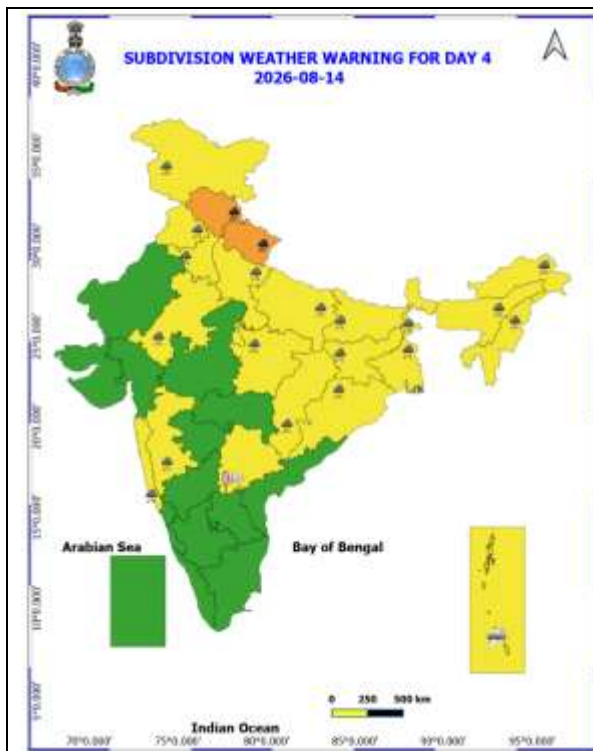
Highest rainfall recorded (> 7 cm) (from 0830 hours IST of yesterday to 0830 hours IST of today over different Meteorological Subdivision):

- ❖ **East Rajasthan:** Sunel (Jhalawar) 30
- ❖ **West Madhya Pradesh:** Biaora (Rajgarh) 23
- ❖ **Jammu-Kashmir:** Kathua 16
- ❖ **West Uttar Pradesh:** Muzaffarnagar 14
- ❖ **Punjab:** Madhopur (Dist Pathankot) 12
- ❖ **Meghalaya:** Tura 12
- ❖ **Uttarakhand:** Khanpur 11
- ❖ **Tripura:** Sonamura 11
- ❖ **Gangetic West Bengal:** Dum Dum 10
- ❖ **Himachal Pradesh:** Bhattiyat (Chamba) 10
- ❖ **Gujarat Region:** Godhar 9
- ❖ **Tamil Nadu:** Sendurai (dist Ariyalur), Tirupuvanam (dist Sivagangai) 9
- ❖ **Haryana:** Babain Rev (Dist Kurukshetra) 8
- ❖ **West Rajasthan:** Nawa (Nagaur) 7
- ❖ **Madhya Maharashtra:** Gaganbawda (Kholapur) 7
- ❖ **Chhattisgarh:** Bilaspur 7.

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

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

Weather forecast over Delhi/NCR during 11th to 14th August 2026**Past Weather:**

There has been no large change in maximum temperatures and fall in minimum temperatures up to 1°C over Delhi during past 24 hours. The maximum temperatures were 34-35°C and the minimum temperatures are in the range 23-27°C respectively during past 24 hours over Delhi. The minimum temperatures are below normal (-1.6°C to -3.0°C) at a few places and normal (-1.5°C to 1.5°C) at remaining parts of Delhi. The maximum temperatures were above normal (1.6°C to 3.0°C) at isolated places and normal (-1.5°C to 1.5°C) at remaining parts of Delhi. Very light to light rain has been occurred at many places with moderate rain at isolated places over Delhi during past 24 hours. Generally cloudy sky with surface wind speed 16 kmph gusting to 36 kmph from the southeast direction prevailed over Delhi during past 24 hours. Generally cloudy sky with surface wind speeds up to 12 kmph likely to prevail from the southeast direction over the region in the forenoon today.

Weather Forecast:

11.08.2026: Generally cloudy sky. A few spells of light to moderate rain at most places with heavy rain at isolated places during afternoon to evening. Another spell of very light to light rain towards night. The maximum temperatures over Delhi are likely to be in the range of 30-32°C. The maximum temperatures will be near below normal (-1.6°C to -3.0°C) at most places over Delhi. The predominant surface wind is likely to be from the southeast direction with surface wind speed reaching up to 15 kmph during the afternoon. The wind speed will decrease becoming up to 12 kmph from the southeast direction during evening and night.

12.08.2026: Generally cloudy sky. Possibility of one or two spells of very light rain towards afternoon to evening. The maximum and minimum temperatures over Delhi are likely to be in the range of 34°C to 36°C and 24°C to 26°C, respectively. The minimum temperature will be below normal (-1.6°C to -3.0°C) at most places, and the maximum temperatures will be near normal (-1.5°C to 1.5°C) at most places over Delhi. The predominant surface wind is likely to be from southeast direction with surface wind speed reaching up to 12 kmph during the morning hours. The wind speed will decrease becoming up to 10 kmph from the southeast direction during afternoon. The wind speed will increase becoming up to 15 kmph from the southeast direction during evening and night.

13.08.2026: Generally cloudy sky. Possibility of one or two spells of very light rain towards forenoon to evening. The maximum and minimum temperatures over Delhi are likely to be in the range of 33°C to 35°C and 24°C to 26°C respectively. The minimum temperature will be below normal (-1.6°C to -3.0°C) at most places over Delhi, and the maximum temperatures will be near normal (-1.5°C to 1.5°C) at most places over Delhi. The predominant surface wind is likely to be from northwest direction with surface wind speed reaching up to 20 kmph during the morning. The wind speed will decrease becoming up to 18 kmph from the northwest direction during afternoon. The wind speed will increase becoming up to 25 kmph from the west direction during evening and night.

14.08.2026: Generally cloudy sky. A spell of very light to light rain at many places during morning to forenoon. Another spell of very light to light rain at many places during afternoon to evening. The maximum and minimum temperatures over Delhi are likely to be in the range of 32°C to 34°C and 24°C to 26°C, respectively. The minimum temperature will be near normal (-1.5°C to 1.5°C) at most places, and the maximum temperatures will be near normal (-1.5°C to 1.5°C) at most places over Delhi. The predominant surface wind is likely to be from the northwest direction with wind reaching up to 25 kmph during the morning hours. The surface wind speed will decrease becoming up to 15 kmph from the southwest direction during afternoon. The surface wind speed will decrease becoming up to 12 kmph from the south direction during evening and night.

Impact Expected and Action Suggested due to very heavy rainfall:

- ❖ Heavy to very heavy rainfall with extremely heavy rainfall likely at isolated places over East Rajasthan on 11th August.
- ❖ Isolated very heavy rainfall over western Himalayan region, Punjab, Haryana Chandigarh & Delhi, West Uttar Pradesh, West Madhya Pradesh, Gujarat Region, Odisha on 11th August.
- ❖ Moderate to severe lightning activity over Gangetic West Bengal, Odisha on 11th and Jharkhand on 11th & 12th August.

Impact expected:

- ❖ Breaking of tree branches, uprooting of small trees like banana, papaya, drum sticks. Strong wind and rain may damage plantation, horticulture and standing crops.
- ❖ Partial damage to vulnerable structures due to strong winds and rain.
- ❖ Minor damage to kutcha houses/walls, huts and roads due to heavy rain.
- ❖ Loose objects may fly.
- ❖ Small ships, trawlers and boats may be affected.
- ❖ Road and rail traffic may be affected due to heavy rain and squally winds.
- ❖ There could be localised landslides, mudslides, landslips, water logging, inundation and flooding over low lying areas.
- ❖ Occasional reduction in visibility due to heavy rainfall.
- ❖ Helicopter services may get affected.

Action suggested:

- ❖ People are advised to keep a watch on the weather for worsening conditions and be ready to move to safer places accordingly.
- ❖ Take safe shelters; do not take shelter under trees, as there could be lightning.
- ❖ In case of expected lightning, unplug electrical/ electronic appliances, immediately, get out of water bodies and keep away from all the objects that conduct electricity.
- ❖ Tourism and recreational activities to be regulated.
- ❖ Onshore and offshore activities to be judiciously regulated.
- ❖ Helicopter services to be regulated.

Agromet advisories for likely impact of Heavy Rainfall

- In **Jammu and Kashmir**, maintain proper drainage in fields of maize, green gram, black gram and vegetables to prevent waterlogging. Postpone irrigation in transplanted rice. Undertake harvesting of mature cobs of early-sown maize crop and keep the produce at safer place.
- In **Himachal Pradesh**, carry out harvesting of pea pods and vegetables (tomato, capsicum, brinjal, etc.) wherever possible and keep harvested produce in a safe place. Maintain proper drainage in rice, maize, finger millet, tomato, brinjal, capsicum, chilli and cucumber fields and apple and pear orchards for quick removal of excess rainwater.
- In **Uttarakhand**, ensure proper drainage in rice, sugarcane, black gram, green gram, soybean, maize, groundnut, sesame, barnyard millet, finger millet, tomato and chilli fields to prevent prolonged waterlogging. Harvest mature tomato, French bean and potato wherever field conditions permit.
- In **Punjab**, ensure proper drainage in the sugarcane field to avoid water stagnation. After heavy rains if water stagnates in the maize fields, drain out the excessive water to keep the plants free from bacterial stalk rot.
- In **Haryana**, ensure proper field drainage in standing crop fields to prevent waterlogging and promptly remove excess rainwater from crop fields and orchards.
- In **West Uttar Pradesh**, maintain proper drainage to remove excess rainwater from pigeon pea, maize, groundnut, sesame, rice, vegetable and other standing crop fields, particularly from low-lying areas prone to waterlogging.
- In **Rajasthan**, ensure proper drainage from the fields of already sown pearl millet, green gram, sesame, moth bean, cluster bean, other standing crops and vegetables.
- In **Odisha**, maintain effective drainage in rice nurseries and fields of *kharif* crops such as maize, pulses (green gram, black gram, pigeon pea), oilseeds (groundnut, sesame), cotton, vegetables and fruit orchards to prevent waterlogging. Provide staking/support to banana, papaya, sugarcane, tomato and climbing vegetable.
- In **West Bengal**, maintain proper drainage in rice nurseries and fields of rice, ginger, tomato, chilli, Dalley Khorsani, finger millet and fruit orchards to prevent waterlogging. Strengthen terrace bunds in transplanted rice fields.
- In **West Madhya Pradesh**, drain out excess rain water from soybean, maize and other standing crop fields to avoid waterlogging. Provide staking/support in cucurbitaceous vegetables.
- In **Chhattisgarh**, maintain effective drainage in nurseries and low-lying fields to avoid temporary water stagnation

- In **Konkan**, make necessary arrangements to drain out excess rain water from turmeric, groundnut, transplanted rice and finger millet, porso millet, vegetable fields and orchards. Remove excess rainwater from low-lying areas to prevent prolonged waterlogging.
- In *ghat* areas of **Madhya Maharashtra**, ensure proper drainage from rice nurseries and *Kharif* crops like maize, cotton, pigeon pea, groundnut, green gram and black gram.
- In **Arunachal Pradesh**, ensure proper drainage in rice, maize, soybean and finger millet fields, orchards and low-lying areas to prevent prolonged waterlogging. Secure vines firmly to bamboo stakes or trellises to prevent lodging.
- In **Assam**, keep field drainage channels clear and maintain proper drainage in rice nurseries, jute, sugarcane, soybean, pigeon pea, sesame and vegetable fields to prevent prolonged waterlogging.
- In **Meghalaya**, ensure proper drainage from rice nurseries and fields of maize, cowpea, okra and ginger to prevent prolonged waterlogging. Open drainage channels immediately and provide propping/support to banana and other heavily laden crops.

In **Nagaland, Manipur, Mizoram and Tripura**, ensure proper drainage from soybean, black gram, ginger, turmeric, cole crop and vegetable fields to prevent residual waterlogging. Provide bamboo staking/support to banana and other vulnerable crops and avoid prolonged water stagnation in rice and groundnut fields.

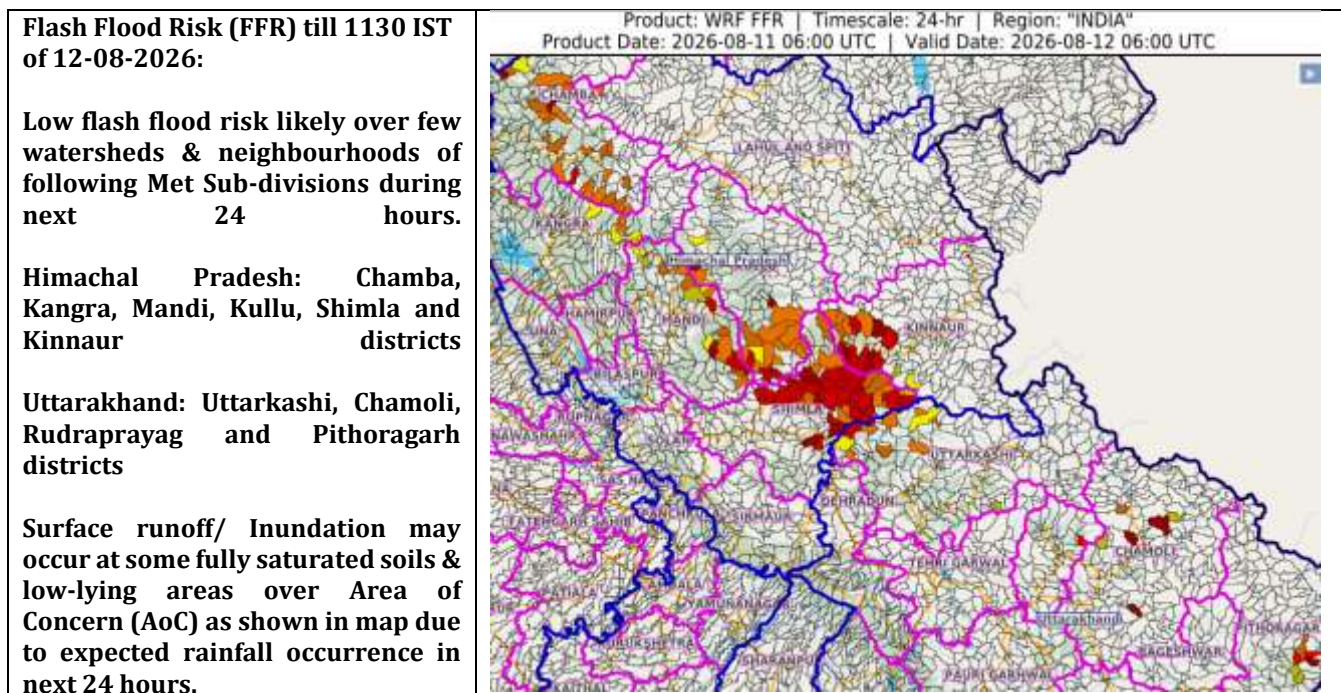
Agromet advisories for likely impact of Thunderstorm / Gusty Winds

- Shift the harvested produce in safer places or cover the produce with tarpaulin sheets in the fields. Tie the harvested crops securely and cover them to minimize the risk of displacement from strong surface 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.

Livestock / Poultry / Fisheries

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

Flash Flood Guidance:

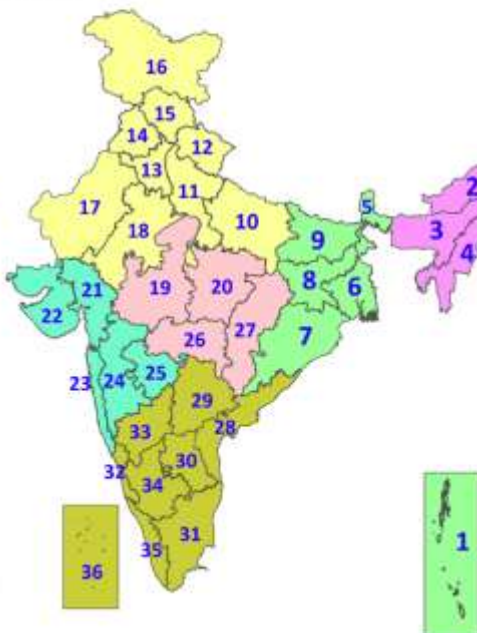


Legends & abbreviations:

- ❖ **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, Coastal Maharashtra (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

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 62-87 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 118-185 kmph (64-89 knots) Extremely Severe Cyclonic Storm: Wind speed 186-220 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

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