



Monday, August 07, 2023
Time of Issue: 0800 hours IST
(MORNING)

ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

Significant Weather Features

Significant Weather features:

- ❖ A cyclonic circulation lies over south Bihar in lower tropospheric levels.
- ❖ The western end of **Monsoon Trough** at mean sea level runs close to the foothills of the Himalayas and eastern end now passes through Gorakhpur, Muzaffarpur, Malda and thence eastwards towards Manipur. It is likely to be north of its normal position or along the foothills of Himalayas during next 3-4 days.

Weather Forecast and Warnings:

Northwest India: Light/moderate scattered to fairly widespread rainfall with isolated **heavy rainfall** activity very likely over Uttarakhand during 07th-10th; Uttar Pradesh during 07th-09th August, 2023. **Isolated very heavy rainfall also likely over Uttarakhand and East Uttar Pradesh on 08th & 09th August.**

Central India: Light/moderate isolated to scattered rainfall activity over the region during next 5 days.

East India: Light/moderate fairly widespread to widespread rainfall with **isolated heavy rainfall** activity very likely over West Bengal & Sikkim during 07th-08th and Bihar & Jharkhand during 07th-09th August. **Isolated very heavy rainfall** is also likely over Sub-Himalayan West Bengal & Sikkim on 07th; Bihar during 07th-08th August.

Northeast India: Light/moderate fairly widespread to widespread rainfall with **isolated heavy to very heavy rainfall** activity very likely over Arunachal Pradesh, Assam, Meghalaya and Nagaland, Manipur during next 5 days. **Isolated extremely heavy rainfall** is also likely over Meghalaya on 07th August.

West & South India: Subdued rainfall activity over the region during next 5 days.

Main Weather Observations

- ❖ **Rainfall/thundershowers observed** (from 0830 hours IST to 1730 hours IST of yesterday): **at most places** over Bihar, Nagaland, Manipur, Mizoram & Tripura; **at many places** over Uttarakhand, Uttar Pradesh, East Madhya Pradesh, Gangetic West Bengal, Andaman & Nicobar Islands, Konkan & Goa, Madhya Maharashtra, Coastal Karnataka; **at a few places** over Himachal Pradesh, Punjab, Uttarakhand, Jharkhand, Odisha, Assam & Meghalaya, Vidarbha, Chhattisgarh and **at isolated places** over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Sub-Himalaya West Bengal & Sikkim, Marathwada, North Interior Karnataka, Tamil Nadu, Puducherry & Karaikal, Coastal Andhra Pradesh & Yanam, Rayalaseema.
- ❖ **Heavy rainfall observed** (from 0830 hours IST to 1730 hours IST of yesterday): Heavy rainfall occurred at isolated places over Nagaland, Manipur, Mizoram & Tripura.
- ❖ **Significant rainfall recorded** (from 0830 hours IST to 1730 hours IST of yesterday): (in cm): **Nagaland, Manipur, Mizoram & Tripura:** Agartala-10; **East Uttar Pradesh:** Varanasi-6, Churk-5; **West Uttar Pradesh:** Moradabad-3; **Uttarakhand:** Dehradun-3; **East Madhya Pradesh:** Jabalpur-3, Nowgong-2; **Odisha:** Bhubaneshwar-2; **Assam & Meghalaya:** Cherapunji-2
- ❖ **Thunderstorm observed** (from 0830 hours IST of yesterday to 0530 hours IST of today): at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Punjab, Uttar Pradesh, Bihar and Nagaland, Manipur, Mizoram & Tripura.
- ❖ **Minimum Temperature Departures (as on 06-08-2023):** Minimum temperatures were **above normal (1.6°C to 3.0°C)** at many places over Himachal Pradesh, Punjab, Coastal Andhra Pradesh & Yanam and Lakshadweep; at a few places over Tamil Nadu, Puducherry & Karaikal; at isolated places over Haryana-Chandigarh-Delhi, Bihar, Odisha, Vidarbha, Telangana, Rayalaseema and Kerala & Mahe. They were **below normal (-1.6°C to -3.0°C)** at isolated places over East Madhya Pradesh and **near normal** over rest parts of the country. Yesterday, **the lowest minimum temperature of 20.0°C** was reported at **Narsinghpur (East Madhya Pradesh)** over the plains of the country.
- ❖ **Maximum Temperature Departures (as on 06-08-2023):** Maximum temperatures were **appreciably above normal (3.1°C to 5.0°C)** at many places over Coastal Andhra Pradesh & Yanam, Tamil Nadu, Puducherry & Karaikal, Konkan & Goa; at a few places over Rayalaseema and North Interior Karnataka; at isolated places over Telangana and Madhya Maharashtra; **above normal (1.6°C to 3.0°C)** at a few places over Vidarbha, Chhattisgarh, Gujarat Region, Konkan & Goa, South Interior Karnataka; at isolated places over Himachal Pradesh, Odisha, Kerala & Mahe, Lakshadweep. They were **appreciably below normal (-3.1°C to -5.0°C)** at a few [places over Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, East Madhya Pradesh, Bihar; at isolated places over Gangetic West Bengal; **below normal (-1.6°C to -3.0°C)** at many places over Jharkhand, Sub-Himalaya West Bengal & Sikkim; at a few places over Uttarakhand, West Rajasthan and **near normal** over rest parts of the country. Yesterday, **the highest maximum temperature of 41.7°C** was reported at **Madurai (Tamil Nadu)**.

* Red color warning does not mean "Red Alert" Red color 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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Meteorological Analysis (Based on 0530 hours IST)

- ❖ The **cyclonic circulation** over south Bihar & neighbourhood extending upto 1.5 km above mean sea level with a **trough** aloft roughly along Lat. 88°E to the north of 22°N at 3.1 km above mean sea level persists.
- ❖ The western end of **Monsoon Trough** at mean sea level runs close to the foothills of the Himalayas and eastern end now passes through Gorakhpur, Vaishali, Malda and thence eastwards towards Manipur.

Weather Forecast for next 5 days (Upto 0830 hours IST of 12th August, 2023)

- ❖ Meteorological sub-division wise detailed 5 days rainfall forecast is given in Table-1.
- ❖ Isolated light to moderate thunderstorm likely over northwest India.
- ❖ No significant change in maximum temperatures likely over most parts of country during next 5 days.

Weather Outlook for subsequent 2 days

- ❖ Fairly widespread to widespread light/moderate rainfall likely over parts of northwest, central, east & northeast India, along the west coasts and islands and isolated to scattered rainfall over rest parts of the country.



Table-1

7 Days Rainfall Forecast

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

Legend	Category	% Stations
WS	Widespread/Most Places	76-100
FWS	Fairly Widespread/Many places	51-75
SCT	Scattered/ A Few Places	26-50
ISOL	Isolated Places	1-25
DRY	No Rain	0

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Fig. 1: Maximum Temperatures Dated 06.08.2023

Fig. 2: Departure of Maximum Temp. Dated 06.08.2023

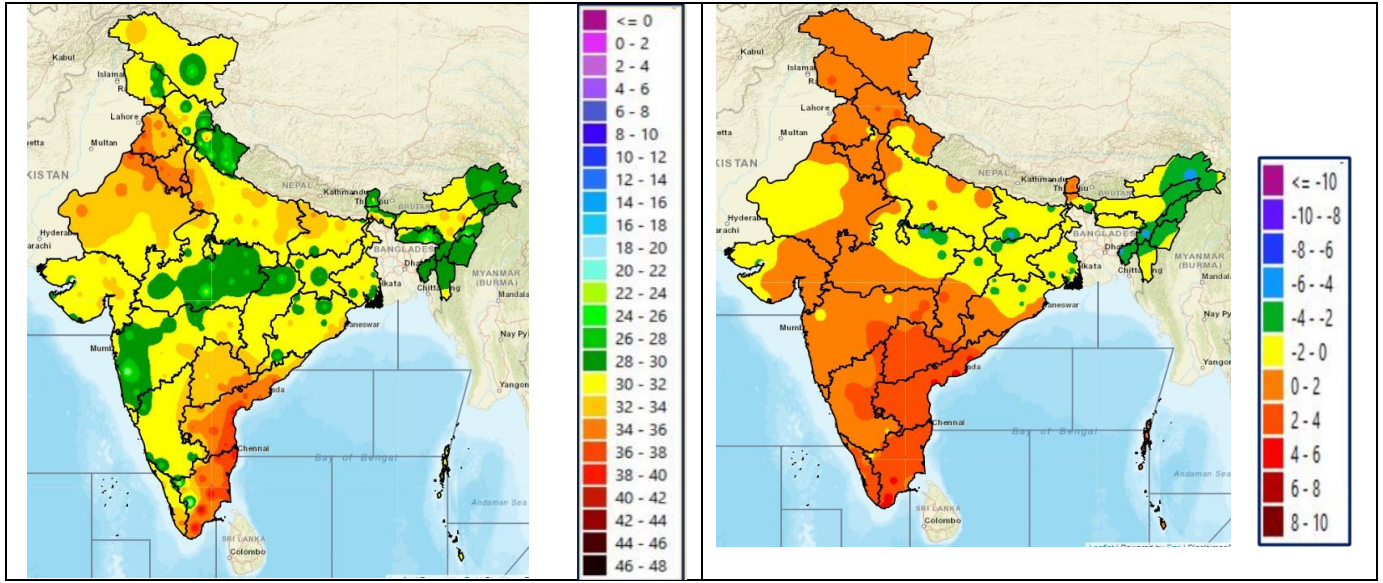


Fig. 3: Minimum Temperatures Dated 06.08.2023

Fig. 4: Departure of Minimum Temp. Dated 06.08.2023

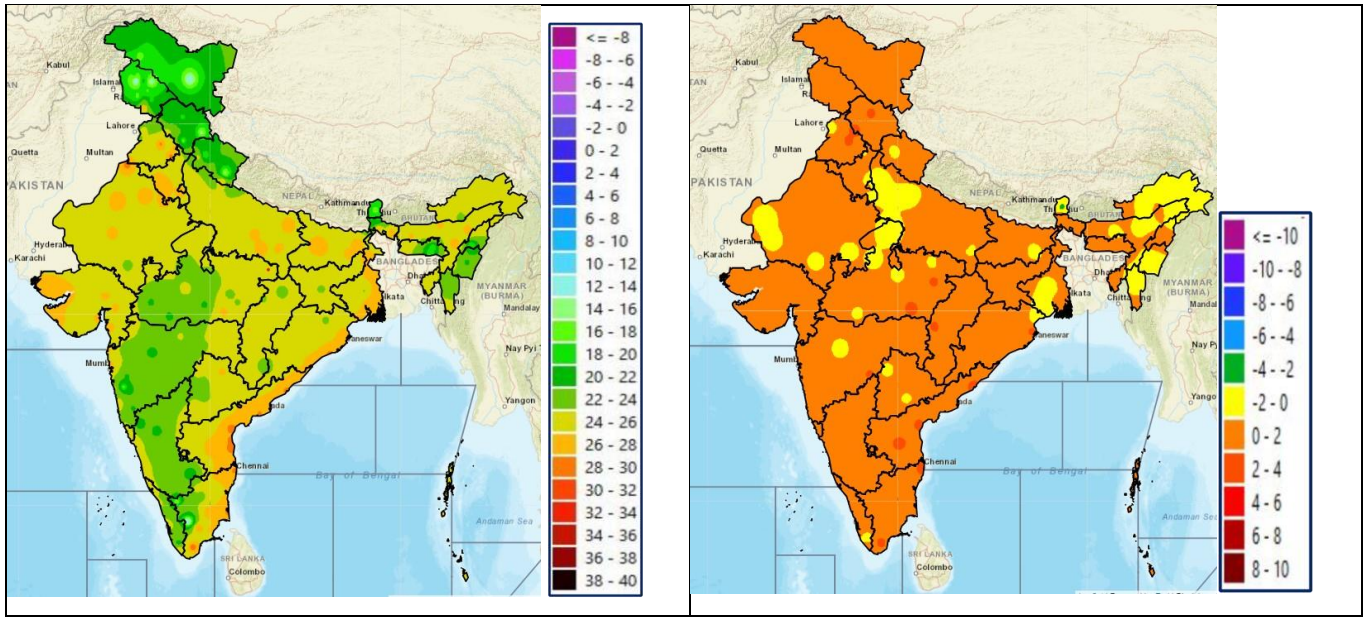
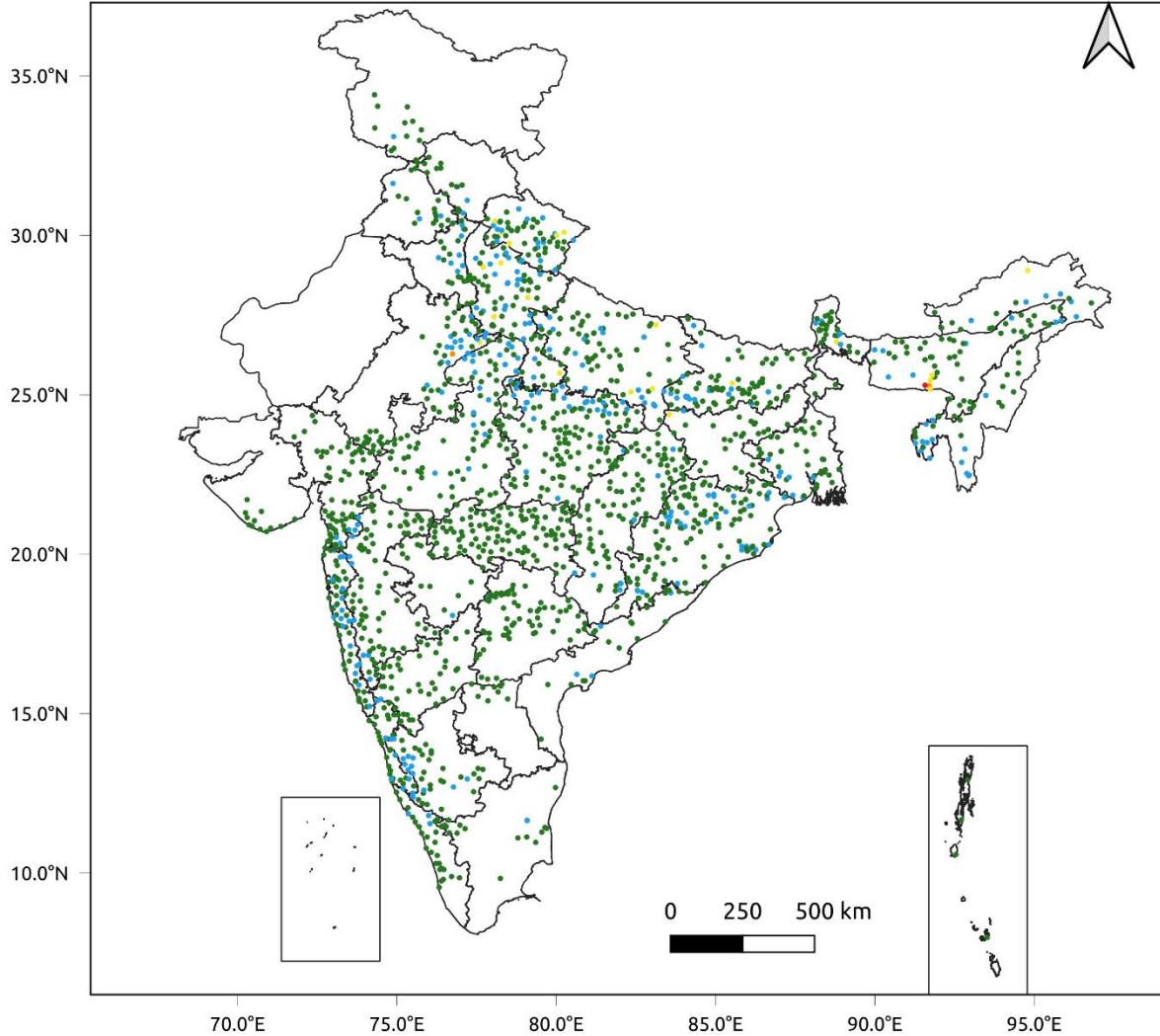


Fig. 5: Accumulated Rainfall (mm) during past 24 hours



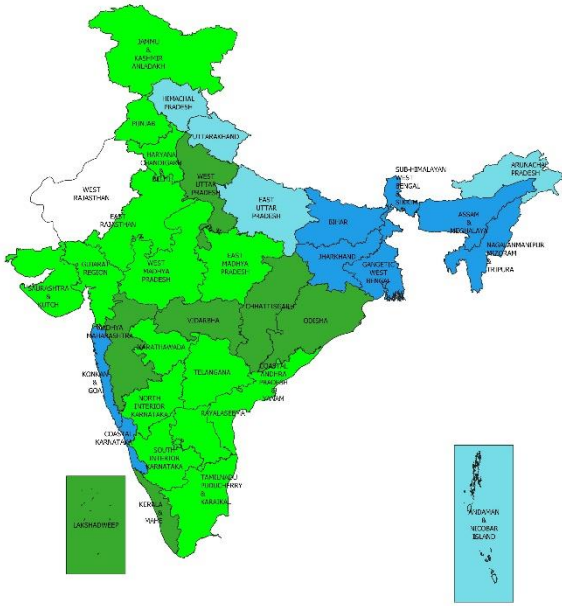
24 Hr cumulative rainfall recorded over different stations during 0830 IST of 5-8-2023 to 0830 IST of 6-8-2023



Legends

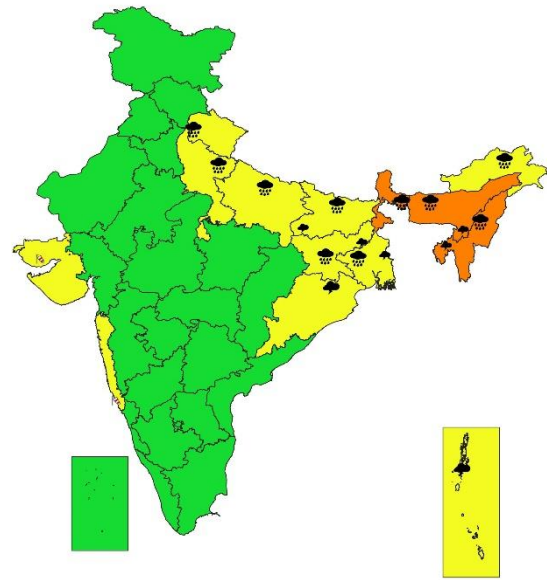
- Very Light to Light Rainfall (0.1 - 15.5 mm)
- Moderate Rainfall (15.6 - 64.4 mm)
- Heavy Rainfall (64.5 - 115.5 mm)
- Very Heavy Rainfall (115.6 - 204.4 mm)
- Extremely Heavy Rainfall (≥ 204.5 mm)

**SUBDIVISIONWISE RAINFALL FORECAST FOR DAY 1
(7-8-2023)**



Legends
 □ DRY : No station reported rainfall ≥ 0.1 mm
 ■ ISOLATED : No. of raingauge stations reported rainfall ≥ 0.1 mm is 1-25% of total no. of reporting stations on the day
 ■ SCATTERED : No. of raingauge stations reported rainfall ≥ 0.1 mm is 26-50% of total no. of reporting stations on the day
 ■ FAIRLY WIDE SPREAD : No. of raingauge stations reported rainfall ≥ 0.1 mm is 51-75% of total no. of reporting stations on the day
 ■ WIDE SPREAD : No. of raingauge stations reported rainfall ≥ 0.1 mm is 75-100% of total no. of reporting stations on the day

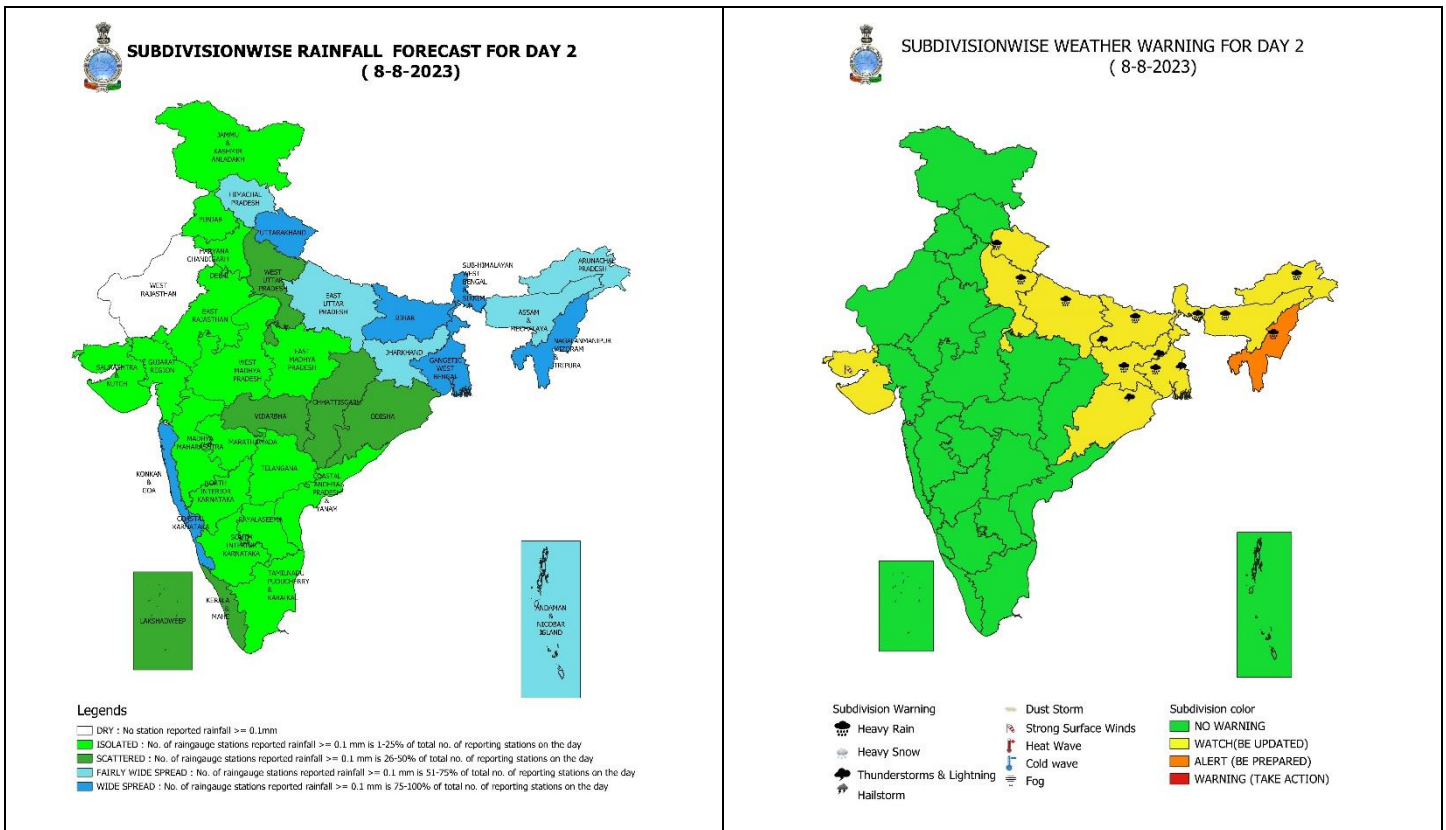
**SUBDIVISIONWISE WEATHER WARNING FOR DAY 1
(7-8-2023)**



Subdivision Warning
 ☁ Heavy Rain
 ❄ Heavy Snow
 ⚡ Thunderstorms & Lightning
 ⚡ Hailstorm
 ☁ Dust Storm
 🌪 Strong Surface Winds
 🌡 Heat Wave
 🌡 Cold wave
 🌫 Fog
 🌫 Subdivision color
 🟡 WATCH(BE UPDATED)
 🟠 ALERT (BE PREPARED)
 🔴 WARNING (TAKE ACTION)

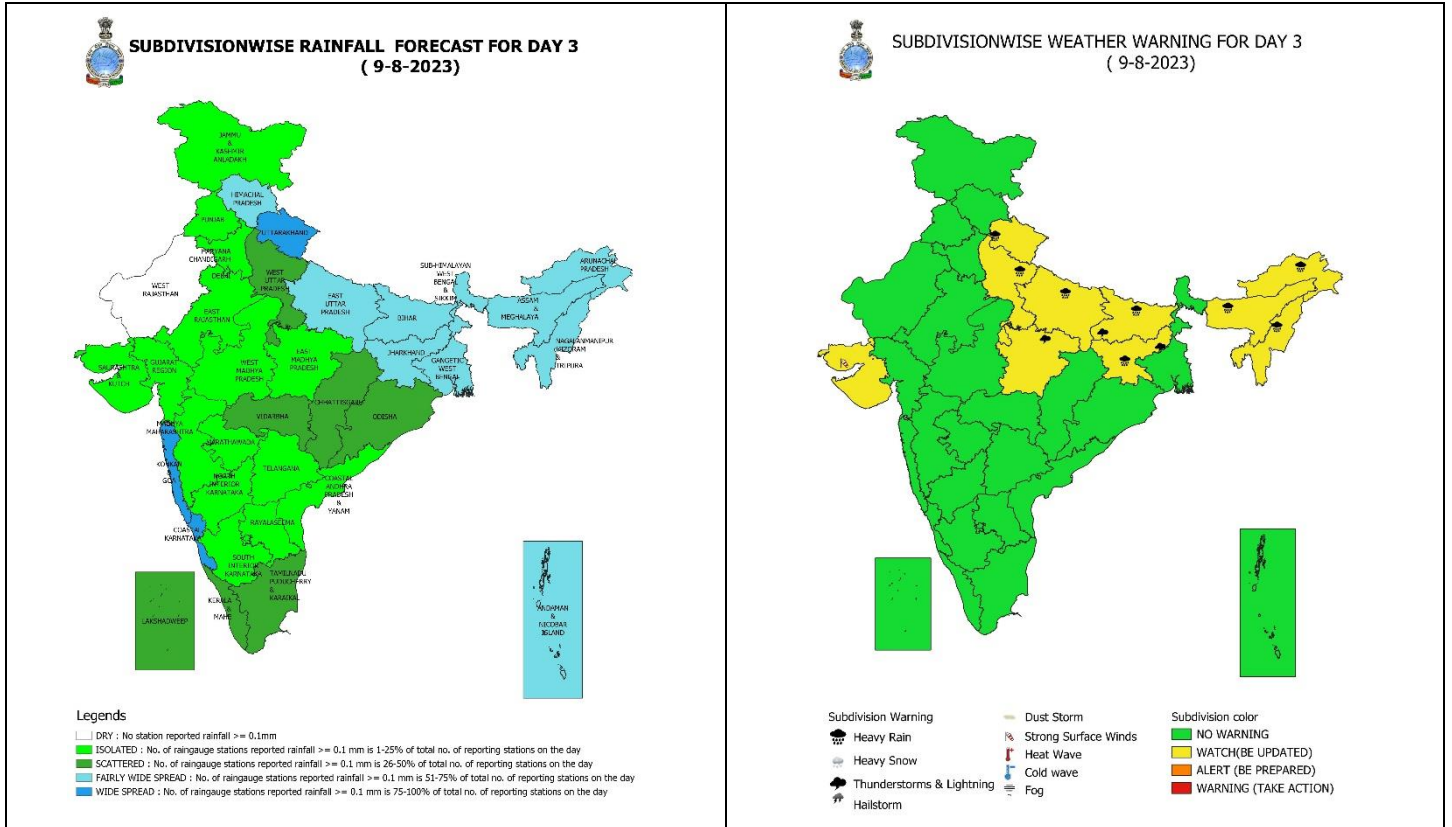
07 August (Day 1):

- ❖ **Heavy to very heavy rainfall with extremely heavy falls** very likely at isolated places over Meghalaya; **Heavy to very heavy rainfall** at isolated places over Assam, Nagaland, Manipur, Mizoram & Tripura, Sub-Himalaya West Bengal & Sikkim, Bihar; **Heavy rainfall** at isolated places over Uttarakhand, Uttar Pradesh, East Madhya Pradesh, Chhattisgarh, Jharkhand, Gangetic West Bengal, Arunachal Pradesh.
- ❖ **Thunderstorm with lightning** very likely at isolated places over Andaman & Nicobar Islands, Gangetic West Bengal, Bihar, Jharkhand, Odisha, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura.
- ❖ **Squally wind speed of 45-55 kmph gusting to 65 kmph** very likely over Southwest, Central & North Arabian Sea, along & off Gujarat-north Maharashtra coasts and Comorin area; **Squally weather with wind speed reaching 40-45 kmph gusting to 55 kmph** over Central & North Bay of Bengal. **Fishermen are advised not to venture into these areas.**
- ❖ **24 hours Outlook for the Flash Flood Risk (FFR) till 1730 IST of 07-08-2023**
Moderate flash flood risk likely over few watersheds & neighbourhoods of Southern parts of Assam & Meghalaya and NMMT Met Sub-divisions during next 24 hours.



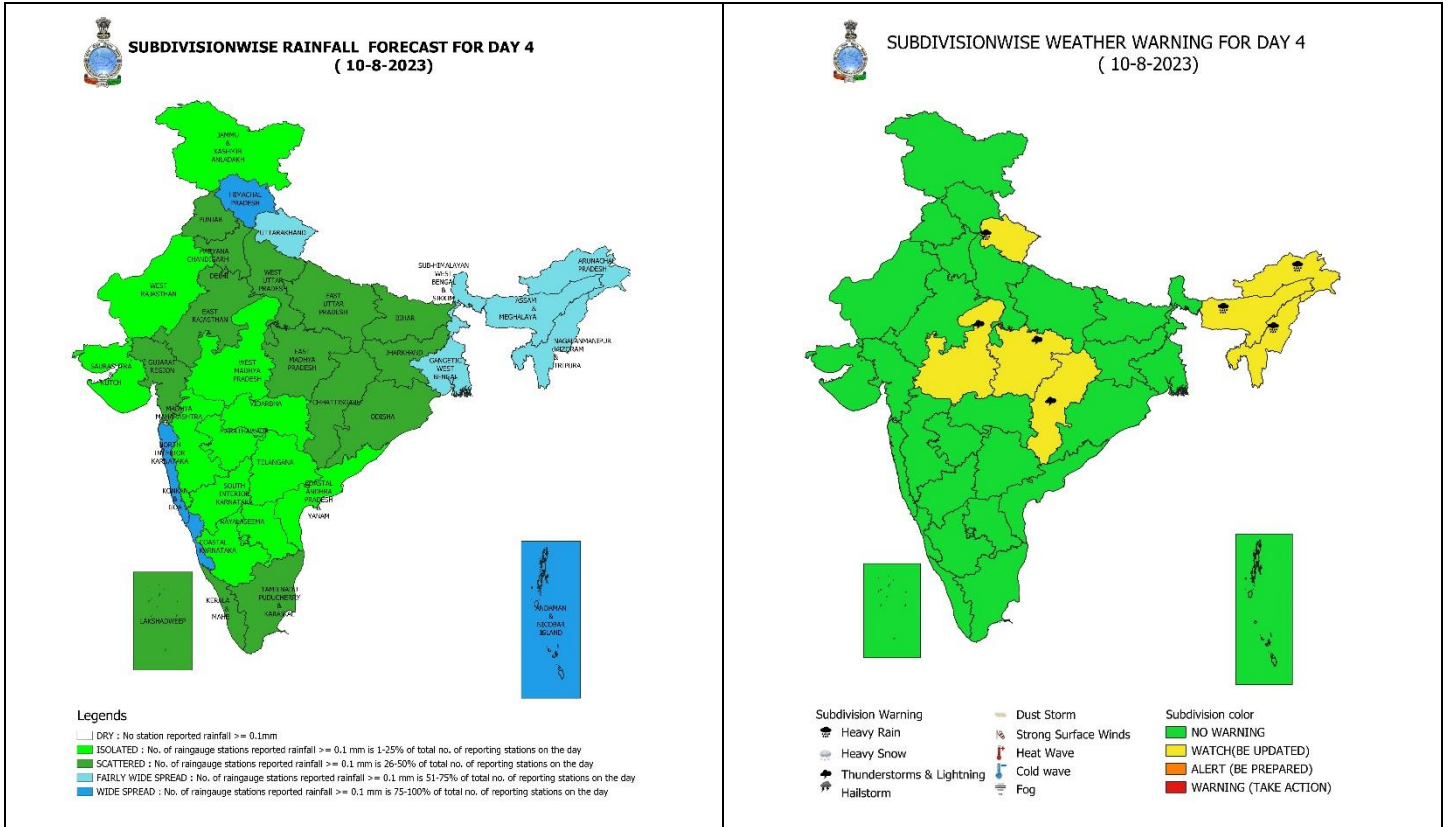
08 August (Day 2):

- ❖ **Heavy to very heavy rainfall** at isolated places over Uttarakhand, East Uttar Pradesh, Bihar, Meghalaya, Nagaland, Manipur, Mizoram & Tripura; **Heavy rainfall** at isolated places over West Uttar Pradesh, West Bengal & Sikkim, Jharkhand, Arunachal Pradesh, Assam.
- ❖ **Thunderstorm with lightning** likely at isolated places over Gangetic West Bengal, Bihar, Jharkhand, Odisha.
- ❖ **Squally wind speed of 45-55 kmph gusting to 65 kmph** very likely over Southwest, Central & North Arabian Sea, along & off Gujarat coasts; **Squally weather with wind speed reaching 40-45 kmph gusting to 55 kmph** over Central & North Bay of Bengal. **Fishermen are advised not to venture into these areas.**



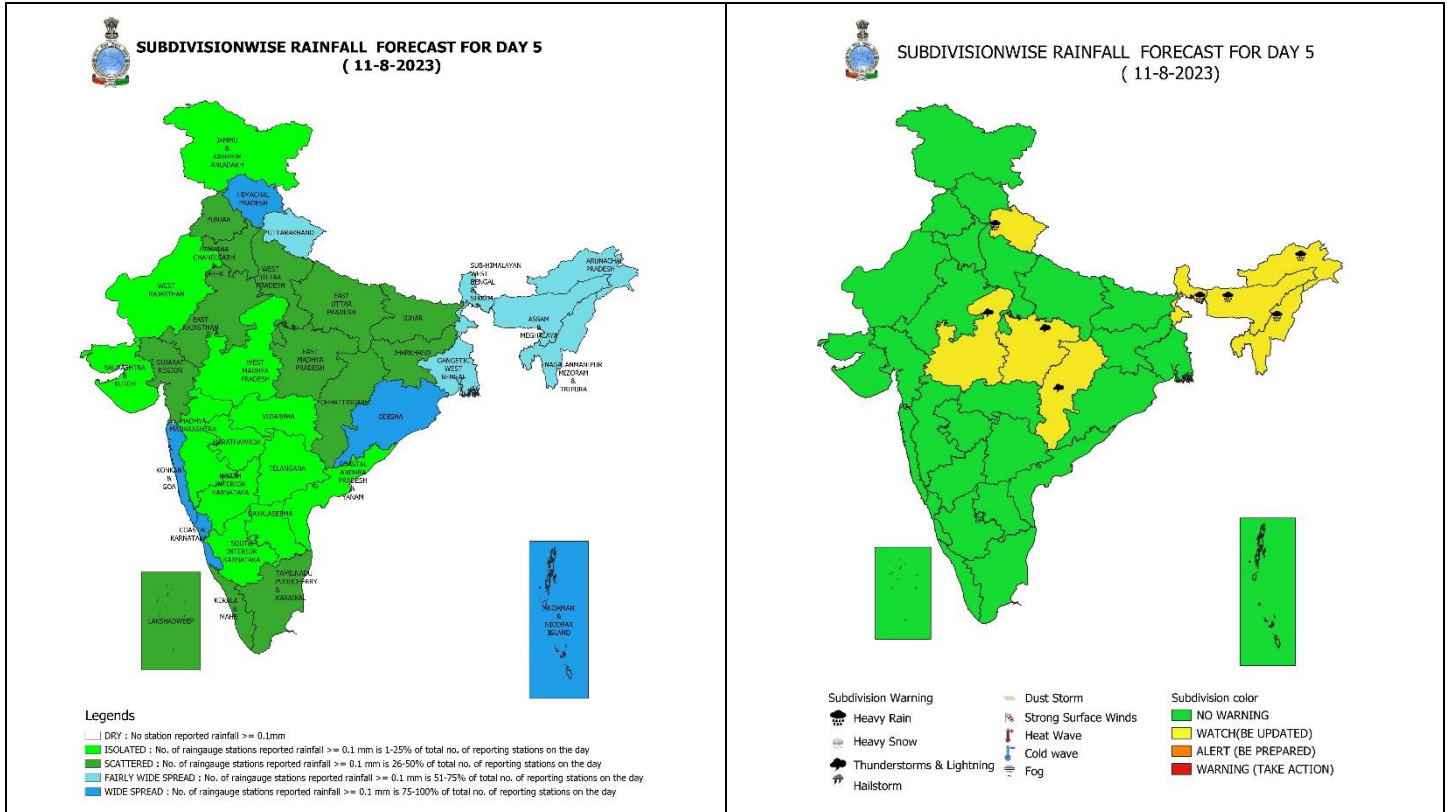
09 August (Day 3):

- ❖ **Heavy to very heavy rainfall** likely at isolated places over Uttarakhand, East Uttar Pradesh; **Heavy rainfall** at isolated places over West Uttar Pradesh, Bihar, Jharkhand, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura.
- ❖ **Thunderstorm with lightning** likely at isolated places over East Madhya Pradesh, Bihar, Jharkhand.
- ❖ **Squally wind speed of 45-55 kmph gusting to 65 kmph** very likely over Southwest, Central & North Arabian Sea, along & off Gujarat-north Maharashtra coasts. **Fishermen are advised not to venture into these areas.**



10 August (Day 4):

- ❖ **Heavy rainfall** at isolated places over Uttarakhand, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura.
- ❖ **Thunderstorm with lightning** likely at isolated places over Madhya Pradesh and Chhattisgarh.
- ❖ **Squally wind speed of 45-55 kmph gusting to 65 kmph** very likely over Southwest, Central & North Arabian Sea. **Fishermen are advised not to venture into these areas.**



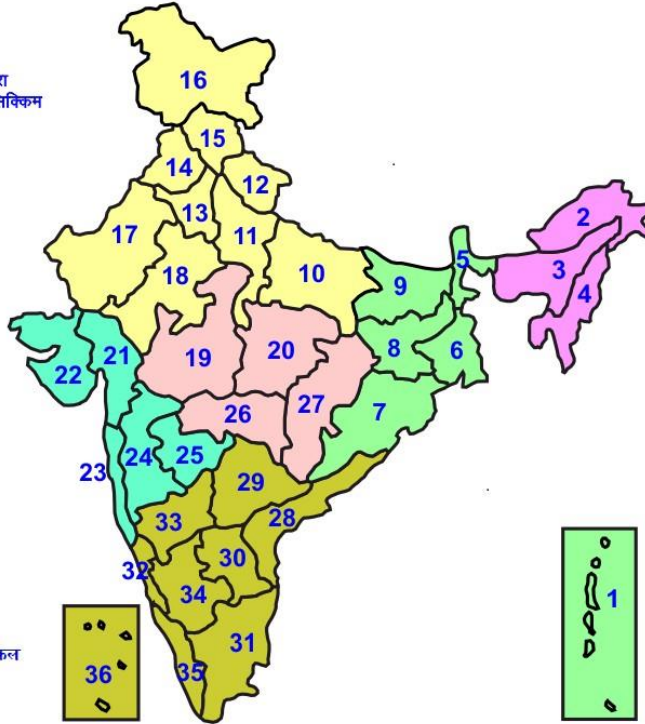
11 August (Day 5):

- ❖ **Heavy rainfall** at isolated places over Uttarakhand, Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura.
- ❖ **Thunderstorm with lightning** likely at isolated places over Madhya Pradesh and Chhattisgarh.
- ❖ **Squally wind speed of 45-55 kmph gusting to 65 kmph** very likely over Southwest, Central & North Arabian Sea. **Fishermen are advised not to venture into these areas.**



LEGENDS

- 1 अंडमान और निकोबार द्वीप समुह
- 2 अरुणाचल प्रदेश
- 3 असम और मेघालय
- 4 नागालैंड मनीपुर मीजोरम और त्रिपुरा
- 5 उप हिमालय पश्चिम बंगाल एवं सिक्किम
- 6 पश्चिम गंगेय बंगाल
- 7 ओडिशा
- 8 झारखंड
- 9 बिहार
- 10 पूर्वी उत्तर प्रदेश
- 11 पश्चिम उत्तर प्रदेश
- 12 उत्तराखंड
- 13 हरियाणा चंडिगढ़ एवं दिल्ली
- 14 पंजाब
- 15 हिमाचल प्रदेश
- 16 जम्मू एवं कश्मीर एवं लद्दाख
- 17 पश्चिम राजस्थान
- 18 पूर्वी राजस्थान
- 19 पश्चिम मध्य प्रदेश
- 20 पूर्वी मध्य प्रदेश
- 21 गुजरात क्षेत्र
- 22 सौराष्ट्र एवं कच्छ
- 23 कोंकण एवं गोवा
- 24 मध्य महाराष्ट्र
- 25 मराठावाड़ा
- 26 विदर्भ
- 27 छत्तीसगढ़
- 28 तटीय आंध्र प्रदेश एवं यनम
- 29 तेलंगाना
- 30 रायलसीमा
- 31 तमिलनाडु, पुदुचेरी एवं कराईकल
- 32 तटिय कर्नाटक
- 33 आंतरिक उत्तरी कर्नाटक
- 34 आंतरिक दक्षिणी कर्नाटक
- 35 केरल एवं 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. Orissa
8. Jharkhand
9. Bihar
10. East Uttar Pradesh
11. West Uttar Pradesh
12. Uttarakhand
13. Haryana, Chd & 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. Marathawada
26. Vidharbha
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)

WARNING

WARNING (TAKE ACTION)
ALERT (BE PREPARED)
WATCH (BE UPDATED)
NO WARNING (NO ACTION)

Probabilistic Forecast

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



Heavy Rain



Heavy Snow



Thunderstorm



Dust Storm



Strong Winds



Visibility



Cyclone



Squall/ Hail



Frost



Cold Wave



Heat Wave



Sea State

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WATCH (BE UPDATED)
NO WARNING (NO ACTION)

Probabilistic Forecast

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



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 118-165 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 color warning does not mean "Red Alert" Red color 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)