

Friday, July 26, 2024
Time of Issue: 0745 hours IST
(MORNING)

ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

Significant Weather Features:

Weather Systems

- ✓ A **cyclonic circulation** lies over Gangetic West Bengal & adjoining Bangladesh in lower & middle tropospheric levels tilting southwards with height.
- ✓ The **Monsoon trough** is active and lies near to its normal position. It is likely to continue to near its normal position during next 3-4 days.
- ✓ The **shear zone** lies in lower & middle tropospheric levels along 22°N tilting southwards with height.
- ✓ The **off-shore trough** at mean sea level along South Gujarat-north Kerala coasts.
- ✓ A **cyclonic circulation** lies over northwest Uttar Pradesh in lower tropospheric levels.

Forecast & Warnings:

❖ West & Central India

- ✓ Fairly widespread to widespread light to moderate rainfall accompanied with thunderstorm & lightning very likely over the region during next 5 days.
- ✓ **Isolated extremely heavy rainfall very likely over ghat areas of Madhya Maharashtra on 26th & 27th; Konkan & Goa on 26th July.**
- ✓ **Very heavy rainfall very likely at isolated places over Madhya Pradesh on 26th; Konkan & Goa on 27th & 28th; Madhya Maharashtra on 28th & 29th; Gujarat region on 26th & 27th July.**
- ✓ **Heavy rainfall** very likely at isolated places over Chhattisgarh, Vidarbha, Saurashtra & Kutch during 26th-29th; Madhya Pradesh during 27th-29th; Gujarat Region on 28th & 29th and Konkan & Goa on 29th July.

❖ Northwest India

- ✓ Fairly widespread to widespread light to moderate rainfall **accompanied with thunderstorm & lightning** very likely over Himachal Pradesh, Uttarakhand; scattered to fairly widespread rainfall over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Punjab, Haryana-Chandigarh-Delhi, Uttar Pradesh, Rajasthan during next 5 days.
- ✓ **Isolated very heavy rainfall also likely over Uttarakhand on 26th & 27th July.**
- ✓ Isolated **heavy rainfall** very likely over Himachal Pradesh, Uttarakhand, East Rajasthan, West Uttar Pradesh during 26th-29th; East Uttar Pradesh on 26th; Haryana-Chandigarh on 26th & 27th; Punjab on 27th and West Rajasthan on 26th & 29th July.

❖ South Peninsular India:

- ✓ Scattered to fairly widespread light to moderate rainfall accompanied with thunderstorm & lightning very likely over Kerala & Mahe, Karnataka, Lakshadweep, Telangana and isolated to scattered rainfall over Coastal Andhra Pradesh & Yanam, Rayalaseema, Tamil Nadu, Puducherry & Karaikal during next 5 days.
- ✓ **Very heavy rainfall very likely at isolated places over South Interior Karnataka, Coastal Karnataka on 26th & 27th and North Interior Karnataka on 26th July.**
- ✓ **Heavy rainfall** very likely at isolated places over Tamil Nadu on 26th; Kerala & Mahe during 26th-29th and Coastal & South Interior Karnataka on 28th & 29th July.

❖ East & Northeast India

- ✓ Fairly widespread to widespread light to moderate rainfall with **accompanied with thunderstorm, lightning** very likely over East & Northeast India during next 5 days.
- ✓ **Very heavy rainfall very likely at isolated places over Odisha on 26th July.**
- ✓ Isolated **heavy rainfall** very likely over Assam & Meghalaya on 26th & 27th; Gangetic West Bengal, Jharkhand on 26th; Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura on 28th & 29th; Sub-Himalayan West Bengal & Sikkim and Odisha during 27th-29th July.

Main Weather Observations:

- ❖ **Rainfall distribution** (from 0830 hours IST to 1730 hours IST of yesterday): **at most places** over Konkan & Goa; **at many places** over Madhya Maharashtra, Kerala & Mahe, Vidarbha, Telangana, Uttarakhand, Chhattisgarh; **a few places** over Madhya Pradesh, Uttar Pradesh, West Bengal, Sikkim, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Arunachal Pradesh, Saurashtra & Kutch, Bihar, Jharkhand; **at isolated places** over Tamil Nadu, Puducherry & Karaikal, Karnataka, Gujarat state, Marathwada, Rayalaseema, Chhattisgarh, Odisha, Himachal Pradesh, East Rajasthan, Lakshadweep, Andaman & Nicobar Islands.
- ❖ **Heavy rainfall recorded** (from 0830 hours IST to 1730 hours IST of yesterday): **Heavy to very heavy rainfall** at isolated places over Madhya Maharashtra; **Heavy rainfall** at isolated places over Konkan & Goa, East Rajasthan and East Madhya Pradesh.
- ❖ **Significant amount of rainfall** (from 0830 hours IST to 1730 hours IST of yesterday): (in cm): **Madhya Maharashtra:** Mahabaleshwar 14, Lonavala 12, Lavasa 10, Matheran 13, Lavale 7, Chinchwad 7, Talegaon 6, Pashan 6, Pune (Shivajinagar) 5; **Konkan & Goa:** Mumbai (Santacruz) 8, Thane 5, Harnai 5, Mumbai (Colaba) 4; **East Madhya Pradesh:** Satna 9; West Madhya Pradesh: Ratlam 8, **East Rajasthan:** Kota 6; **Odisha:** Baripada & Boudh 4 each. **Gujarat State:** Dahod 6, Ahmedabad 3.
- ❖ **Minimum Temperature Departures (as on 25-07-2024):** Minimum temperatures were **above normal (1.6°C to 3.0°C)** at most places over Andaman & Nicobar Islands; at many places over Bihar; at a few places over East Uttar Pradesh, Haryana-Chandigarh-Delhi, Gangetic West Bengal, West Rajasthan; at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh, Madhya Maharashtra, Rayalaseema, Coastal Andhra Pradesh & Yanam, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe, Assam & Meghalaya, Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura. These were **below normal (-1.6°C to -3.0°C)** at isolated places over Telangana, Vidarbha. Odisha, Madhya Pradesh and **near normal** over rest parts of the country. Yesterday, **the lowest minimum temperature of 17.5°C** was reported at **Yeotmal (Vidarbha)** over the plains of the country.
- ❖ **Maximum Temperature Departures (as on 25-07-2024):** Maximum temperatures were **markedly above normal (5.1°C or more)** at isolated places over **Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad**; **appreciably above normal (3.1°C to 5.0°C)** at isolated places over Himachal Pradesh, Uttar Pradesh, Assam & Meghalaya; **above normal (1.6°C to 3.0°C)** at a few places over Punjab, Bihar; at isolated places over Nagaland, Manipur, Mizoram & Tripura, Sub-Himalayan West Bengal & Sikkim, Gangetic West Bengal. These were **Markedly below normal (-5.1 or less)** at many places over Telangana and at isolated places over Marathwada and Odisha; **below normal (-1.6°C to -3.0°C)** at most places over Madhya Maharashtra, and Vidarbha; at many places over North Interior Karnataka: at a few places over Chhattisgarh and South Interior Karnataka; at isolated places over Madhya Pradesh, Konkan & Goa, East Rajasthan, Coastal Andhra Pradesh & Yanam and Rayalaseema and **near normal** over rest parts of the country. Yesterday, **the highest Maximum Temperature of 39.2°C** was reported at **Bikaner (West Rajasthan)** over the country.

Meteorological Analysis (Based on 0530 hours IST)

- ❖ The **cyclonic circulation** over Gangetic West Bengal & adjoining Bangladesh extending upto 7.6 km above mean sea level tilting southwards with height persists.
- ❖ The **Monsoon trough** at mean sea level now passes through Shri Ganganagar, Hissar, Agra, Daltonganj, Jamshedpur, Digha and thence east-southeastwards to Northeast Bay of Bengal.
- ❖ The **cyclonic circulation** over Assam & neighbourhood between 1.5 & 3.1 km above mean sea level persists.
- ❖ The **shear zone** roughly along 22°N over Indian region between 3.1 & 7.6 km above mean sea level tilting southwards with height persists.
- ❖ The cyclonic circulation over northwest Uttar Pradesh & neighbourhood at 1.5 km above mean sea level persists.
- ❖ The **off-shore trough** at mean sea level along South Gujarat-north Kerala coasts persists.

Weather Forecast for next 7 days (Upto 0830 hours IST of 02nd August, 2024)

- ❖ Meteorological sub-division wise detailed 7 days rainfall forecast is given in Table-1.
- ❖ Thunderstorm/lightning likely at isolated places over south Peninsular India and Northeast India region for next 4-5 days.
- ❖ No significant change in maximum temperatures very likely over most parts of the country.

Weather Outlook for subsequent 3 days (During 02nd August -04th August, 2024)

- ❖ Fairly widespread to widespread rainfall likely over most parts of the country except Tamil Nadu, Puducherry & Karaikal and Rayalaseema where isolated to scattered rainfall likely.

Table-1

7 Days Rainfall Forecast								
S. No.	Subdivision	26-Jul	27-Jul	28-Jul	29-Jul	30-Jul	31-Jul	01-Aug
		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	SCT	SCT	FWS	FWS	FWS	FWS	FWS
3	ASSAM & MEGHALAYA	SCT	SCT	FWS	WS	FWS	FWS	FWS
4	NAGALAND, MANIPUR, MIZORAM & TRIPURA	SCT	SCT	FWS	WS	WS	WS	WS
5	SUB-HIMALAYAN WEST BENGAL & SIKKIM	FWS	FWS	WS	WS	WS	WS	WS
6	GANGETIC WEST BENGAL	WS	WS	FWS	WS	WS	WS	WS
7	ODISHA	WS	WS	WS	WS	WS	FWS	FWS
8	JHARKHAND	WS	FWS	FWS	FWS	WS	WS	WS
9	BIHAR	SCT	SCT	SCT	SCT	FWS	FWS	FWS
10	EAST UTTAR PRADESH	SCT	SCT	ISOL	ISOL	SCT	SCT	SCT
11	WEST UTTAR PRADESH	FWS	FWS	FWS	FWS	FWS	FWS	FWS
12	UTTARAKHAND	WS	WS	WS	WS	WS	WS	WS
13	HARYANA CHANDIGARH & DELHI	SCT	FWS	SCT	SCT	SCT	SCT	SCT
14	PUNJAB	SCT	FWS	SCT	SCT	SCT	SCT	SCT
15	HIMACHAL PRADESH	FWS	FWS	WS	WS	WS	WS	WS
16	JAMMU & KASHMIR AND LADAKH	ISOL	ISOL	SCT	FWS	FWS	FWS	FWS
17	WEST RAJASTHAN	SCT	SCT	SCT	FWS	FWS	SCT	SCT
18	EAST RAJASTHAN	FWS	FWS	FWS	FWS	FWS	SCT	SCT
19	WEST MADHYA PRADESH	WS	WS	WS	WS	WS	WS	WS
20	EAST MADHYA PRADESH	WS	WS	WS	WS	WS	WS	WS
21	GUJARAT REGION	WS	WS	WS	WS	WS	WS	WS
22	SAURASHTRA & KUTCH	FWS	FWS	FWS	FWS	FWS	FWS	FWS
23	KONKAN & GOA	WS	WS	WS	WS	WS	WS	WS
24	MADHYA MAHARASHTRA	WS	FWS	FWS	FWS	FWS	FWS	FWS
25	MARATHAWADA	WS	FWS	FWS	SCT	SCT	SCT	SCT
26	VIDARBHA	WS	FWS	FWS	FWS	WS	WS	WS
27	CHHATTISGARH	WS	FWS	FWS	FWS	FWS	FWS	FWS
28	COASTAL ANDHRA PRADESH & YANAM	SCT	SCT	SCT	SCT	ISOL	ISOL	ISOL
29	TELANGANA	SCT	SCT	SCT	SCT	SCT	SCT	SCT
30	RAYALASEEMA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
31	TAMILNADU PUDUCHERRY & KARAIKAL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
32	COASTAL KARNATAKA	WS	WS	WS	WS	WS	WS	WS
33	NORTH INTERIOR KARNATAKA	WS	FWS	FWS	SCT	SCT	SCT	SCT
34	SOUTH INTERIOR KARNATAKA	FWS	SCT	SCT	SCT	SCT	FWS	FWS
35	KERALA & MAHE	WS	WS	FWS	WS	WS	WS	WS
36	LAKSHADWEEP	FWS	SCT	SCT	FWS	FWS	FWS	FWS

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

* 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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Fig. 1: Maximum Temperatures

Fig. 2: Departure of Maximum Temperatures

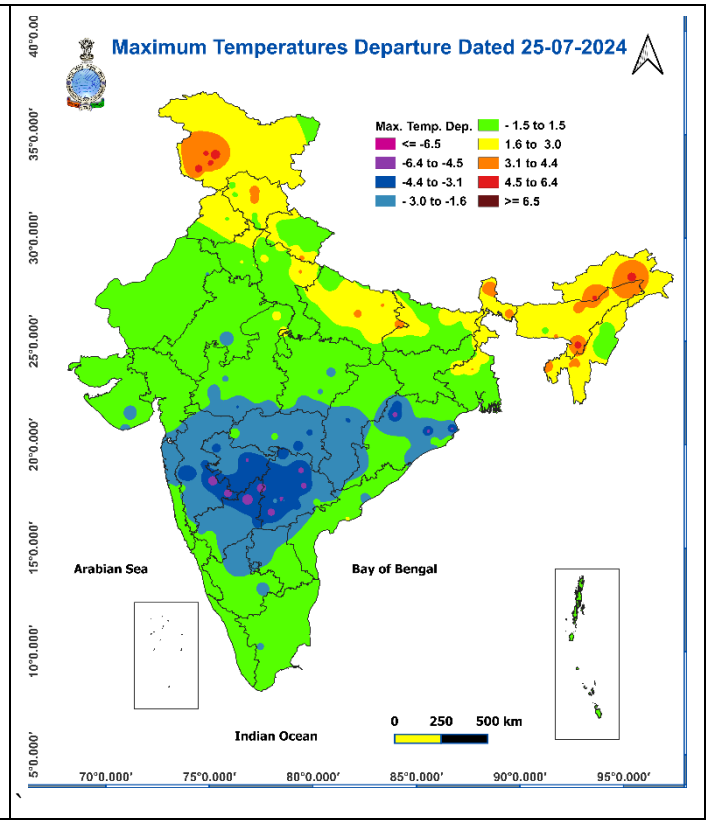
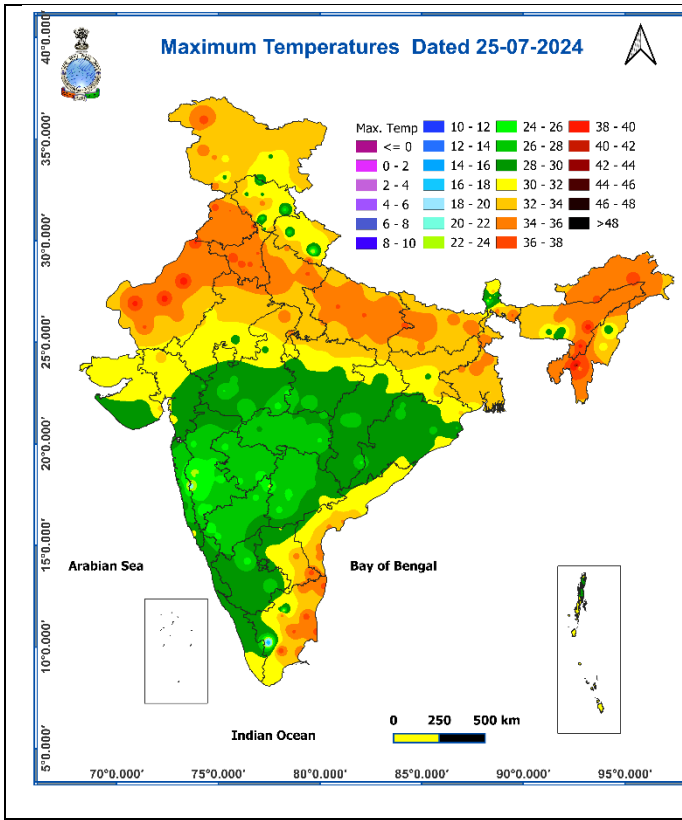
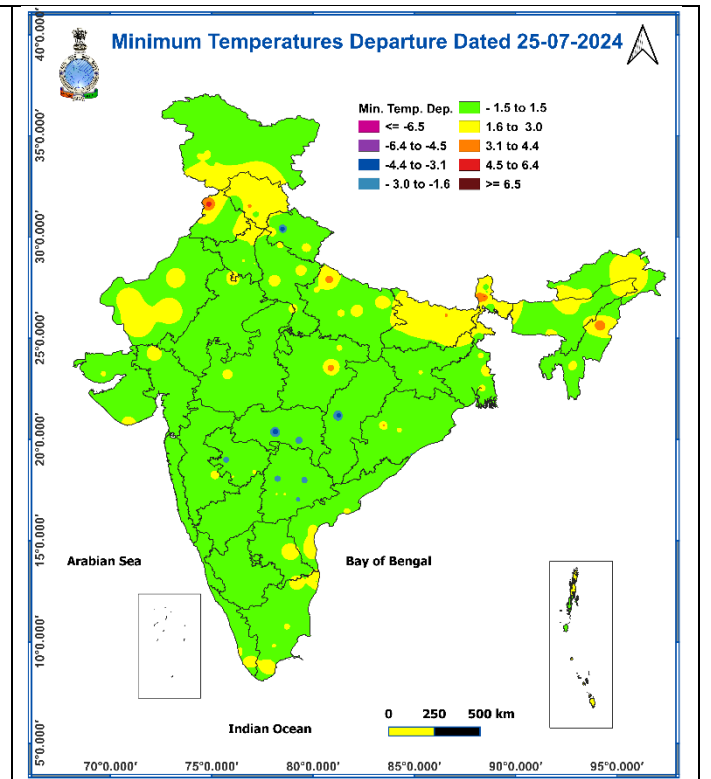
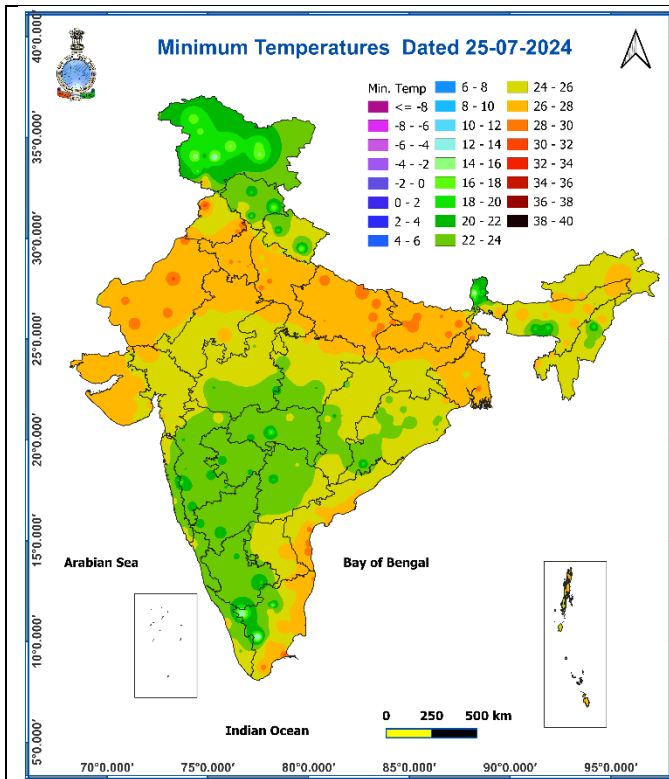


Fig. 3: Minimum Temperatures

Fig. 4: Departure of Minimum Temperatures

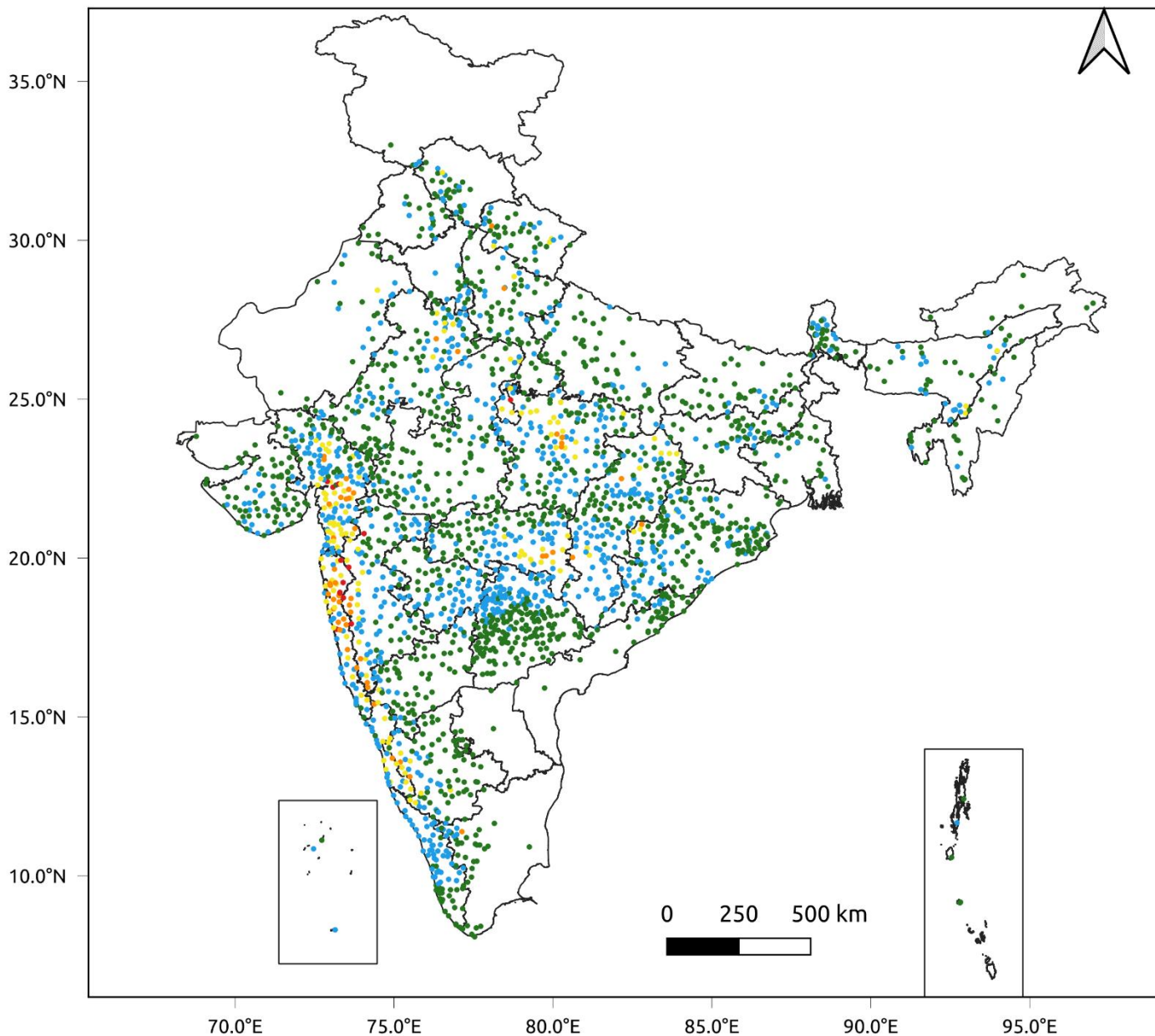


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Fig. 5: Accumulated Rainfall (mm) during past 24 hours

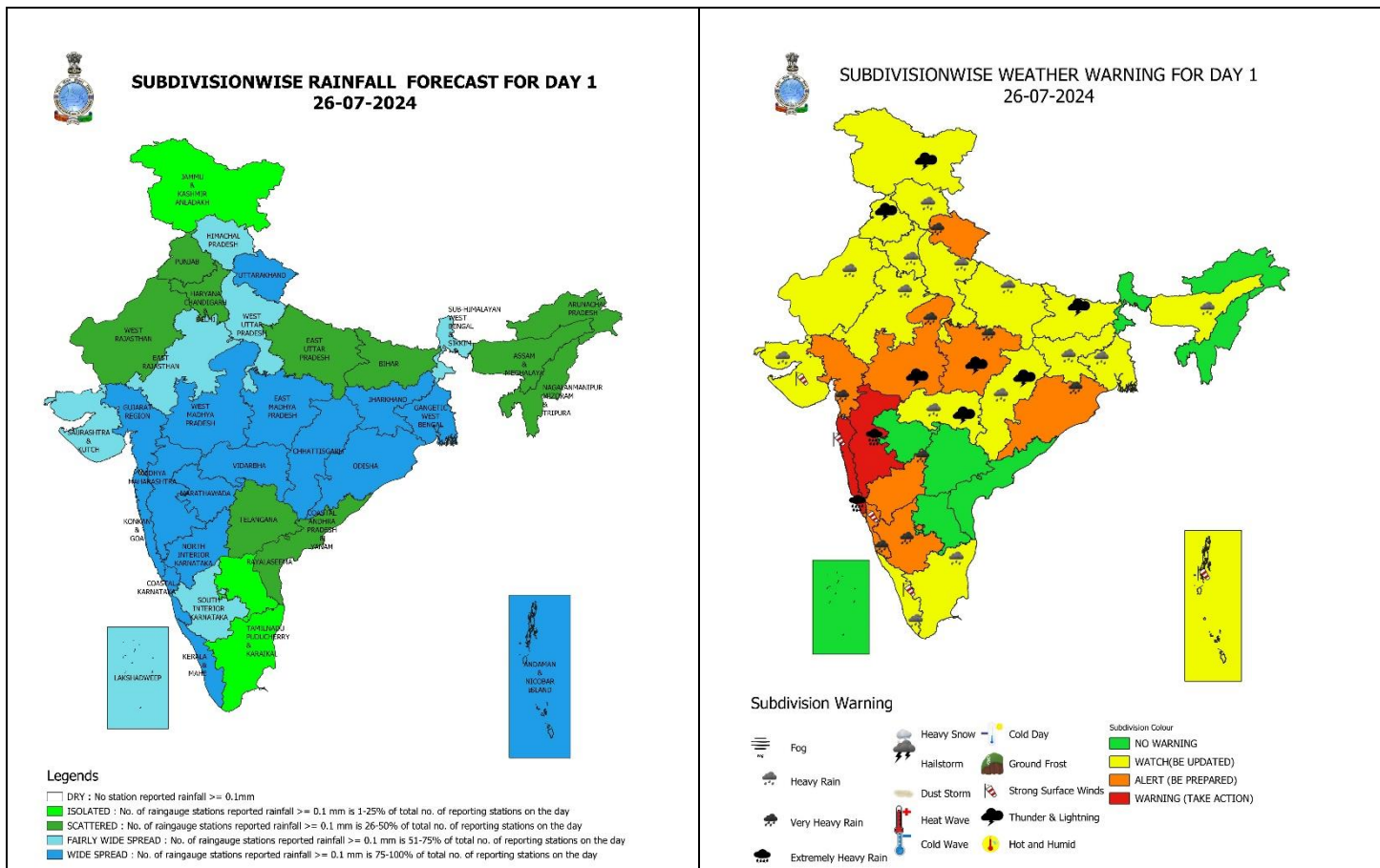


24 Hr cumulative rainfall recorded over different stations during 0830 IST of 24-7-2024 to 0830 IST of 25-7-2024



Legends

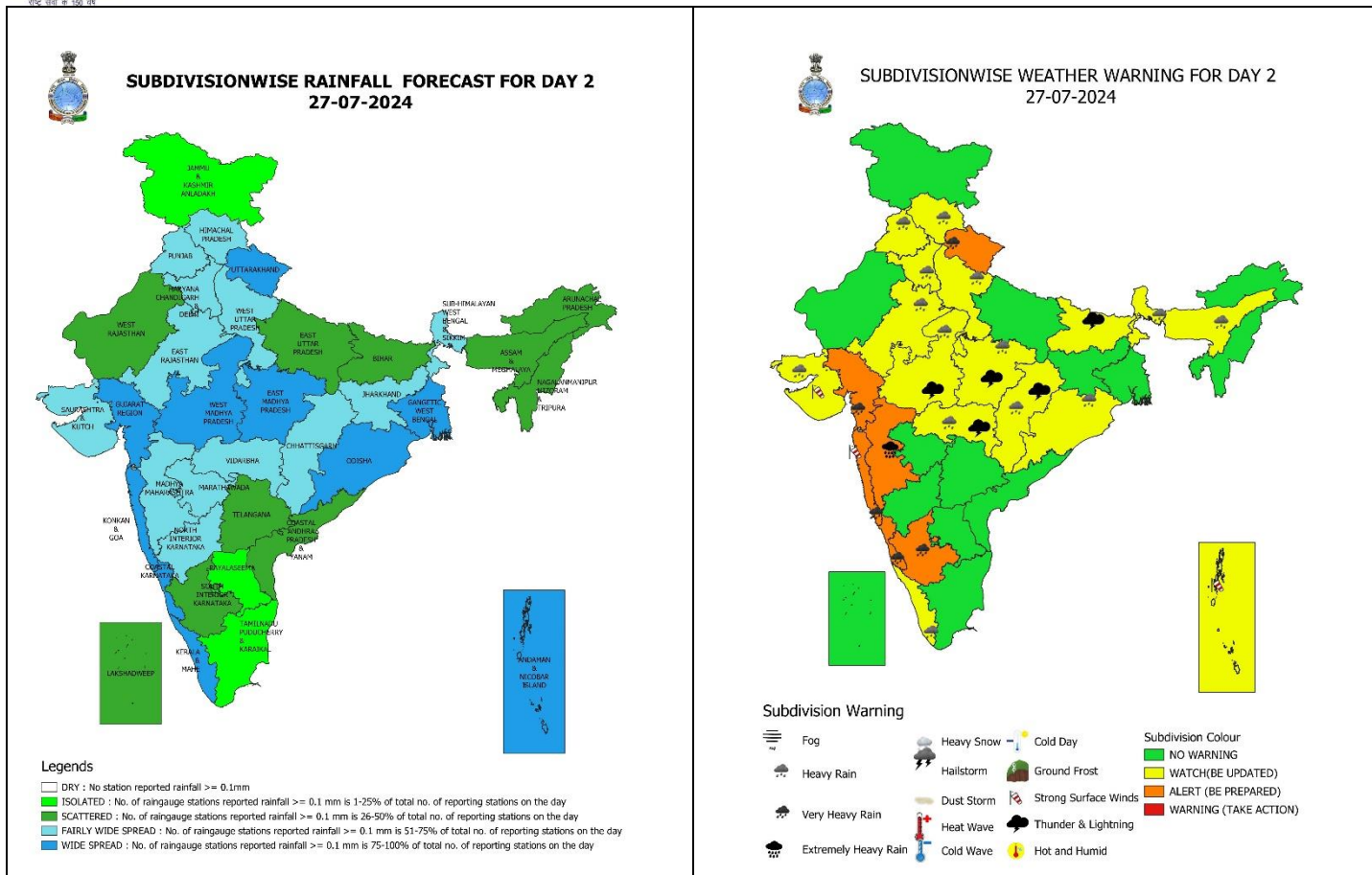
- Very Light to Light Rainfall (0.1 - 15.5 mm)
- Moderate Rainfall (15.6 - 64.4 mm)
- Heavy Rainfall (64.5 - 115.5 mm)
- Very Heavy Rainfall (115.6 - 204.4 mm)
- Extremely Heavy Rainfall (≥ 204.5 mm)



26 July (Day 1):

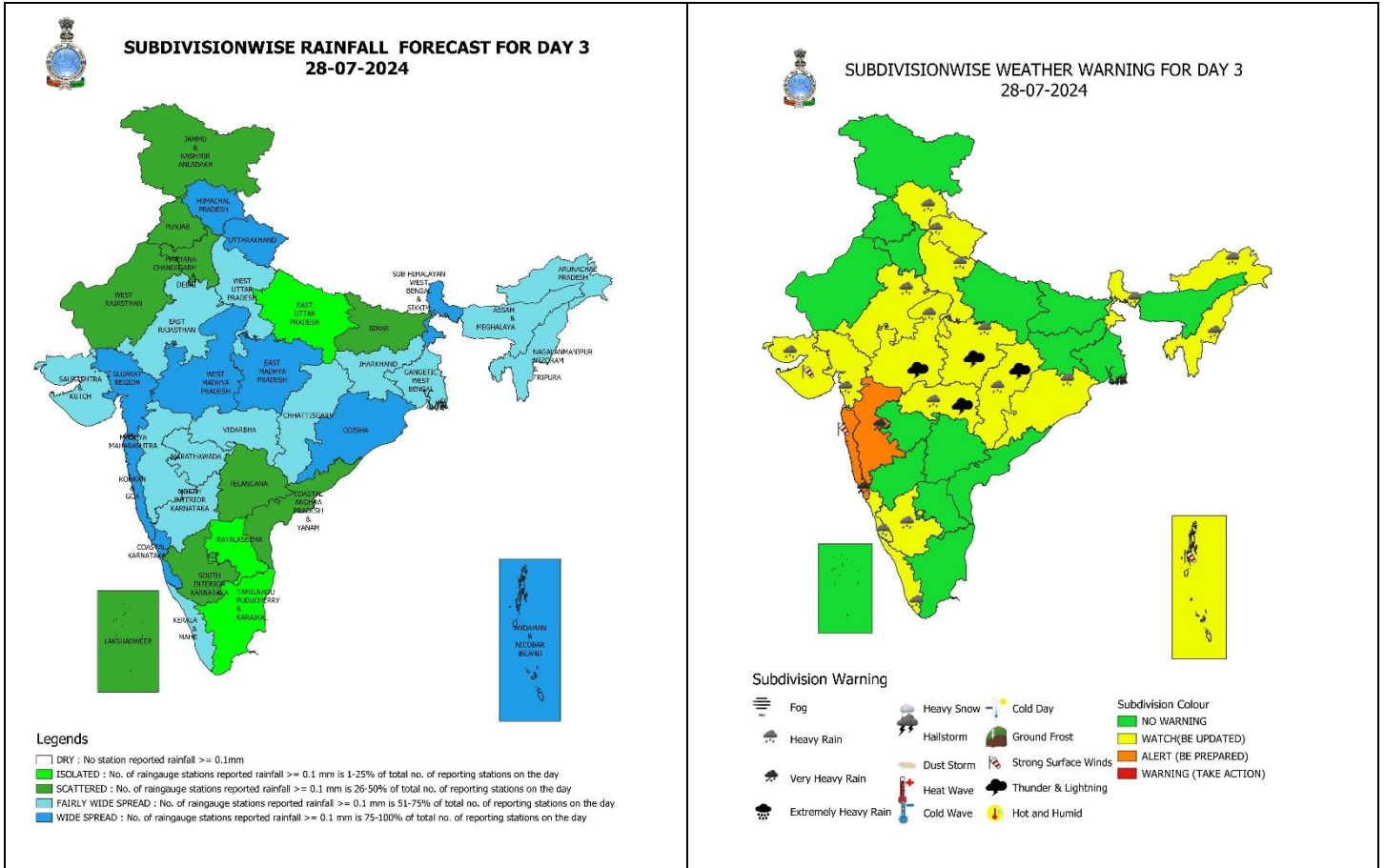
- ❖ **Heavy to very heavy rainfall with extremely heavy falls (≥ 20 cm)** very likely at isolated places over Konkan & Goa, Madhya Maharashtra; **Heavy to very heavy rainfall (≥ 12 cm)** likely at isolated places over Uttarakhand, Madhya Pradesh, Odisha, Gujarat Region, Karnataka; **Heavy rainfall (≥ 7 cm)** at isolated places over Himachal Pradesh, Haryana-Chandigarh-Delhi, Uttar Pradesh, Rajasthan, Vidarbha, Chhattisgarh, Gangetic West Bengal, Jharkhand, Assam & Meghalaya, Saurashtra & Kutch Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe.
- ❖ **Thunderstorm accompanied with lightning** very likely at isolated places over Jammu division, north Punjab, Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar.
- ❖ **Squally weather with wind speed reaching 35 kmph to 45 kmph gusting to 55 kmph** likely to prevail over northeast and adjoining northwest Arabian sea, most parts of east central & many parts of west central Arabian sea, northern parts of southeast and southwest Arabian sea, along and off Karnataka, north Kerala coasts, over Lakshadweep area, gulf of Mannar, off Sri Lanka coast, over many parts of south & most parts of central Bay of Bengal & southern parts of north Bay of Bengal, north Andaman sea, along and off north Andhra Pradesh, off Odisha coasts. **Squally weather with wind speed reaching 45 kmph to 55 kmph gusting to 65 kmph** likely to prevail along and off Gujarat coast, over many parts of central Bay of Bengal & southern parts of northwest Bay of Bengal. **Squally weather with wind speed reaching 50 kmph to 60 kmph gusting to 70 kmph** likely to prevail along and off Maharashtra, Konkan, goa, coasts. **Squally winds with speed reaching 45 kmph to 55 kmph gusting to 65 kmph** likely to prevail over central Arabian sea & adjoining areas of southeast and southwest Arabian sea, southern parts of north Arabian sea, along & off Somalia & Oman coasts.

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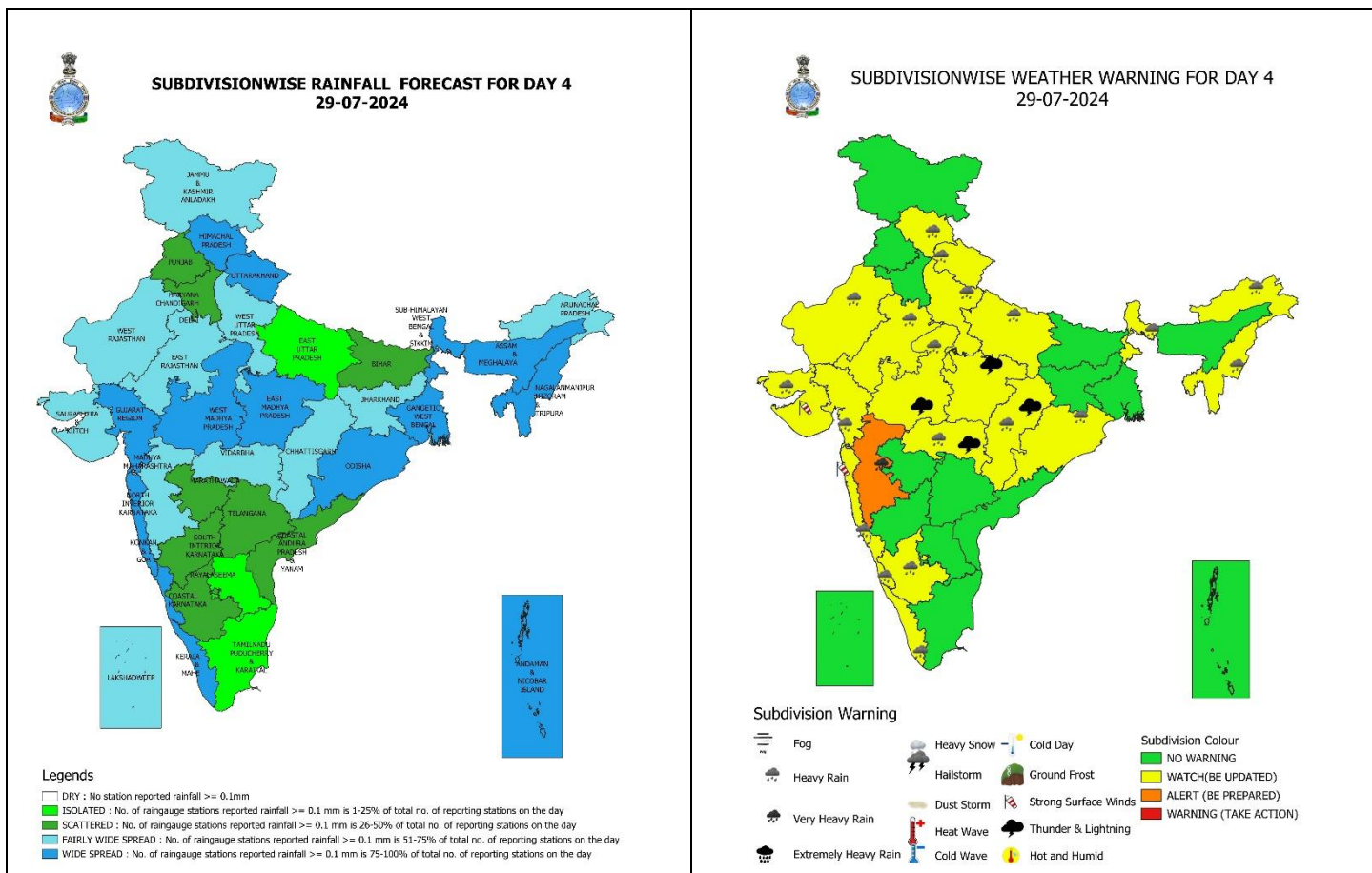
27 July (Day 2):

- ❖ **Heavy to very heavy rainfall with extremely heavy falls (≥ 20 cm)** very likely at isolated places over Madhya Maharashtra; **Heavy to very heavy rainfall (≥ 12 cm)** likely at isolated places over Uttarakhand, Konkan & Goa, Coastal Karnataka, South Interior Karnataka Gujarat Region; **Heavy rainfall (≥ 7 cm)** at isolated places over Punjab, Himachal Pradesh, Haryana-Chandigarh, West Uttar Pradesh, East Rajasthan, Madhya Pradesh, Vidarbha, Chhattisgarh, Sub-Himalayan West Bengal & Sikkim, Odisha, Assam & Meghalaya, Saurashtra & Kutch, Kerala & Mahe.
- ❖ **Thunderstorm accompanied with lightning** very likely at isolated places over Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar.
- ❖ **Squally weather with wind speed reaching 35 kmph to 45 kmph gusting to 55 kmph** likely to prevail over northeast and adjoining northwest Arabian sea, most parts of central Arabian sea, northern parts of southeast and many places of southwest Arabian sea, along and off Gujarat coast adjoining northeast Arabian sea, along and off Karnataka coasts, gulf of Mannar, off Sri Lanka coast, over many parts of southwest and isolated places of southeast Bay of Bengal & most parts of central Bay of Bengal & southern parts of northwest Bay of Bengal, north Andaman sea, off north Andhra Pradesh, Odisha coasts. **Squally weather with wind speed reaching 45 kmph to 55 kmph gusting to 65 kmph** likely to prevail along and off Gujarat coast adjoining northeast Arabian sea, along and off Maharashtra, Konkan, goa coasts, gulf of Mannar, over parts of central Bay of Bengal & southern parts of northwest Bay of Bengal. **Squally winds with speed reaching 45 kmph to 55 kmph gusting to 65 kmph** likely to prevail over central Arabian sea & adjoining areas of southwest Arabian sea, southern parts of north Arabian sea, along & off Somalia & Oman coasts.



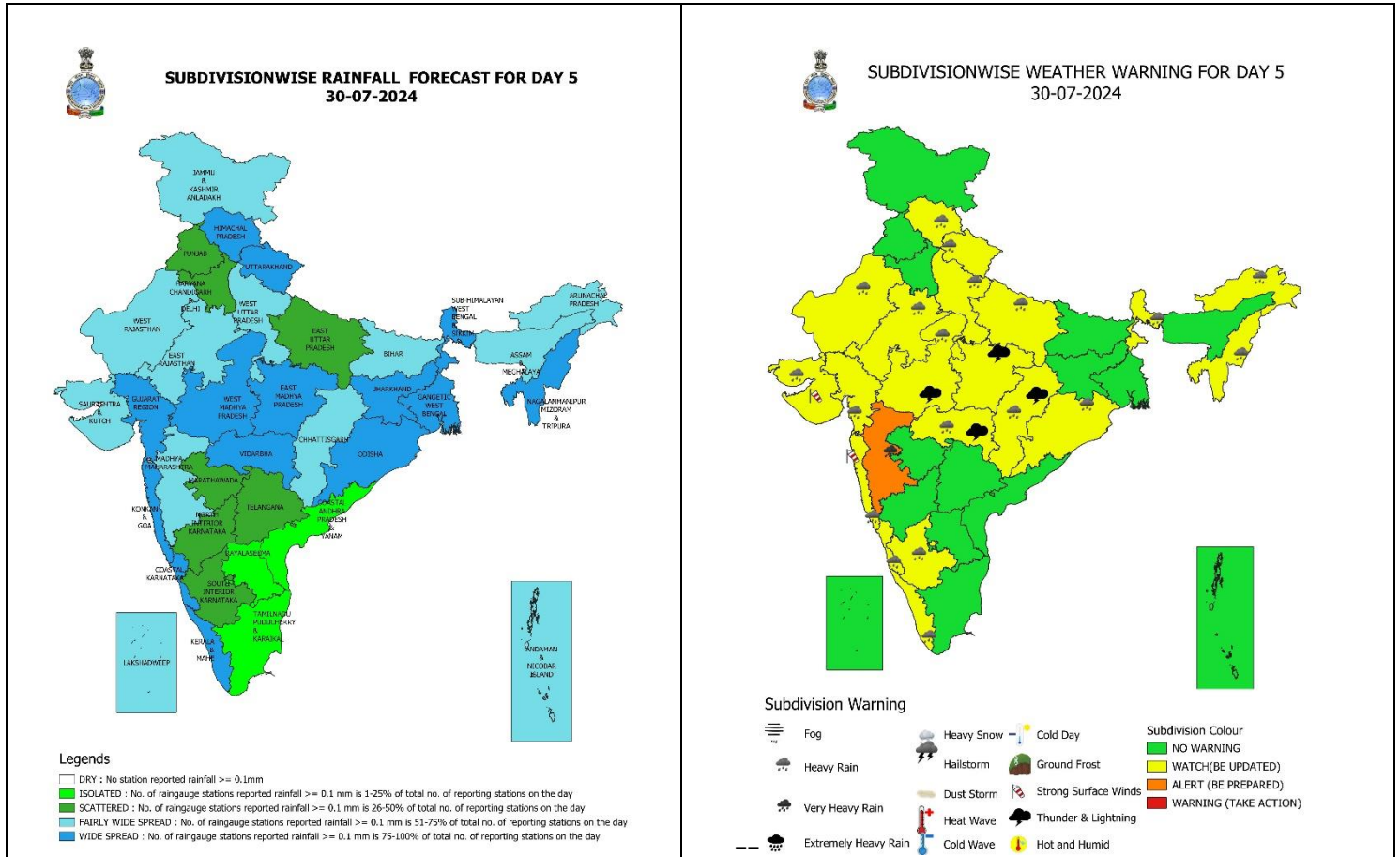
28 July (Day 3):

- ❖ **Heavy to very heavy rainfall (≥ 12 cm)** likely at isolated places over Konkan & Goa, Madhya Maharashtra; **Heavy rainfall (≥ 7 cm)** at isolated places over Uttarakhand, Himachal Pradesh, West Uttar Pradesh, East Rajasthan, Madhya Pradesh, Vidarbha, Chhattisgarh, Sub-Himalayan West Bengal & Sikkim, Odisha, Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Gujarat state, Coastal Karnataka, Kerala & Mahe, South Interior Karnataka.
- ❖ **Thunderstorm accompanied with lightning** likely at isolated places over Madhya Pradesh, Vidarbha, Chhattisgarh.
- ❖ **Squally weather with wind speed reaching 35 kmph to 45 kmph gusting to 55 kmph** likely to prevail over northeast and adjoining northwest Arabian sea, most parts of east central & many parts of west central Arabian sea, northern parts of southeast and southwest Arabian sea, along and off Gujarat coast adjoining northeast Arabian sea, along and off Maharashtra, Konkan, goa, Karnataka coasts, off Sri Lanka coast, over many parts of south & most parts of central Bay of Bengal & southern parts of northwest Bay of Bengal, north Andaman sea, off north Andhra Pradesh, Odisha coasts. **Squally weather with wind speed reaching 45 kmph to 55 kmph gusting to 65 kmph** likely to prevail over gulf of Mannar, parts of west central Bay of Bengal & east central Bay of Bengal. **Squally winds with speed reaching 45 kmph to 55 kmph gusting to 65 kmph** likely to prevail over central Arabian sea & adjoining areas of southwest Arabian sea, southern parts of north Arabian sea, along & off Somalia & Oman coasts.



29 July (Day 4):

- ❖ **Heavy to very heavy rainfall (≥ 12 cm)** likely at isolated places over Madhya Maharashtra; **Heavy rainfall (≥ 7 cm)** at isolated places over Uttarakhand, Himachal Pradesh, West Uttar Pradesh, Rajasthan, West Madhya Pradesh, Vidarbha, Chhattisgarh, Sub-Himalayan West Bengal & Sikkim, Odisha, Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Konkan & Goa, Gujarat state, Coastal Karnataka, Kerala & Mahe, South Interior Karnataka.
- ❖ **Thunderstorm accompanied with lightning** likely at isolated places over Madhya Pradesh, Vidarbha, Chhattisgarh.
- ❖ **Squally weather with wind speed reaching 35 kmph to 45 kmph gusting to 55 kmph** likely to prevail over southern parts of north Arabian sea, most parts of east central & many parts of west central Arabian sea, northern parts of southeast and southwest Arabian sea, off Sri Lanka coast, over many parts of south & most parts of central Bay of Bengal & southern parts of northwest Bay of Bengal. **Squally weather with wind speed reaching 45 kmph to 55 kmph gusting to 65 kmph** likely to prevail over gulf of Mannar, parts of west central Bay of Bengal. **Squally winds with speed reaching 45 kmph to 55 kmph gusting to 65 kmph** likely to prevail over central Arabian sea & adjoining areas of southeast and southwest Arabian sea, southern parts of north Arabian sea, along & off Somalia & Oman coasts.

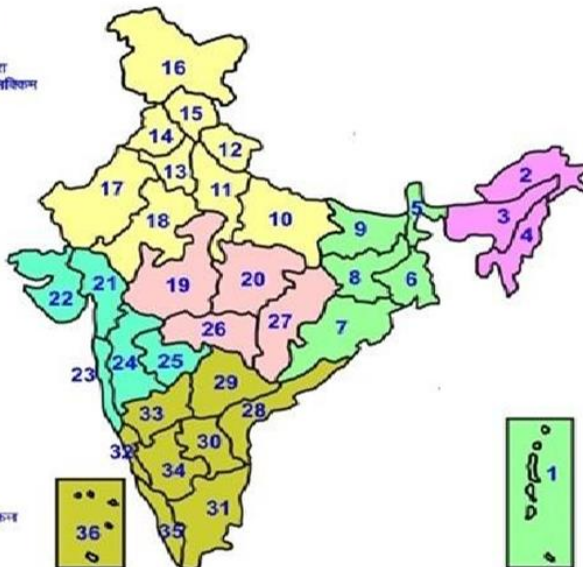


30 July (Day 5):

- ❖ **Heavy to very heavy rainfall (≥ 12 cm)** likely at isolated places over Madhya Maharashtra; **Heavy rainfall (≥ 7 cm)** at isolated places over Uttarakhand, Himachal Pradesh, West Uttar Pradesh, Rajasthan, West Madhya Pradesh, Vidarbha, Chhattisgarh, Sub-Himalayan West Bengal & Sikkim, Odisha, Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Konkan & Goa, Gujarat state, Coastal Karnataka, Kerala & Mahe, South Interior Karnataka.
- ❖ **Thunderstorm accompanied with lightning** likely at isolated places over Madhya Pradesh, Vidarbha, Chhattisgarh.
- ❖ **Squally weather with wind speed reaching 35 kmph to 45 kmph gusting to 55 kmph** likely to prevail over southern parts of north Arabian sea, most parts of east central & many parts of west central Arabian sea, northern parts of southeast and southwest Arabian sea, off Sri Lanka coast, over many parts of south & most parts of central Bay of Bengal & southern parts of northwest Bay of Bengal. **Squally weather with wind speed reaching 45 kmph to 55 kmph gusting to 65 kmph** likely to prevail over gulf of Mannar, parts of west central Bay of Bengal. **Squally winds with speed reaching 45 kmph to 55 kmph gusting to 65 kmph** likely to prevail over central Arabian sea & adjoining areas of southeast and southwest Arabian sea, southern parts of north Arabian sea, along & off Somalia & Oman coasts.

LEGENDS

- 1 अंडमान और निकोबार द्वीप समूह
- 2 अरुणाचल प्रदेश
- 3 असम और मेघालय
- 4 नागालैंड, मणिपुर, मिजोरम और त्रिपुरा
- 5 उप हिमालय पश्चिम बंगाल एवं सिक्किम
- 6 पश्चिम बंगाल
- 7 ओडिशा
- 8 झारखंड
- 9 बिहार
- 10 पूर्वी उत्तर प्रदेश
- 11 पश्चिम उत्तर प्रदेश
- 12 उत्तराखंड
- 13 हरियाणा, चंडीगढ़ 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
- 22 सौराष्ट्र
- 23 कोंकण एवं कच्छ
- 24 मध्य प्रदेश
- 25 मराठवाड़ा
- 26 विदर्भ
- 27 छत्तीसगढ़
- 28 उत्पी आंध्र प्रदेश एवं यानम
- 29 तेलंगाना
- 30 रायलसेमा
- 31 तमिलनाडु, पुदुचेरी एवं केरला
- 32 उत्तरी 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. Odisha
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. Marathwada
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

* 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)

LEGENDS

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



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 Storm: Wind speed > 220 kmph (> 119 knots)