

2026-07-31

Time of Issue: 13:13:00 hours IST
(Mid-Day)

ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

Significant Weather Features

Weather System:

The **Depression** over east Vidarbha and adjoining westcentral Chhattisgarh moved nearly west-northwestwards with a speed of 15 kmph during past 6 hours, and lay centred at 0830 hrs IST of today, the 31st July 2026, over western Vidarbha and adjoining south Madhya Pradesh near latitude 21.1°N and longitude 78.2°E, 50 km east-northeast of Amravati (Maharashtra), 60 km northwest of Wardha (Maharashtra), 90 km south-southeast of Betul (Madhya Pradesh), 210 km east-southeast of Khandwa (Madhya Pradesh) and 280 km east-southeast of Khargone (Madhya Pradesh). It is very likely to move west-northwestwards across Vidarbha, south Madhya Pradesh & adjoining Madhya Maharashtra and weaken into a Well Marked low pressure area during next 24 hours.

Weather forecast and Warnings:

Northwest India:

Fairly Widespread to Widespread rainfall likely over Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and Uttarakhand during 31st July-6th August.

Fairly Widespread to Widespread rainfall likely over Haryana Chandigarh & Delhi and Punjab during 31st July-5th August; West Uttar Pradesh during 3rd-6th August; East Uttar Pradesh during 2nd-6th August; West Rajasthan on 2nd August.

Isolated to Scattered rainfall likely over Haryana Chandigarh & Delhi and Punjab on 6th August; West Uttar Pradesh during 1st-2nd August; East Uttar Pradesh on 1st August; West Rajasthan during 31st July-1st August and during 3rd-6th August; East Rajasthan during 31st July-6th August.

Isolated thunderstorm, lightning & gusty winds (speed reaching 30-40 kmph gusting to 50 kmph) likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and Uttarakhand during 31st July-6th August.

Isolated thunderstorm, lightning & gusty winds (speed reaching 30-40 kmph gusting to 50 kmph) likely over East Uttar Pradesh during 1st-2nd August.

Isolated heavy rainfall likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 31st July-4th August; Himachal Pradesh and Uttarakhand during 31st July-6th August; Haryana Chandigarh & Delhi and Punjab during 31st July-5th August; West Uttar Pradesh during 3rd-5th August; East Uttar Pradesh during 2nd-6th August; West Rajasthan during 1st-2nd August; East Rajasthan on 31st July and on 2nd August with isolated **very heavy rainfall** also likely over East Rajasthan on 1st August.

Central India:

Fairly Widespread to Widespread rainfall likely over West Madhya Pradesh during 31st July-1st August; Chhattisgarh and East Madhya Pradesh on 31st July and during 3rd-6th August; Vidarbha during 31st July-1st August and on 6th August.

Isolated to Scattered rainfall likely over West Madhya Pradesh during 2nd-6th August; Chhattisgarh and East Madhya Pradesh during 1st-2nd August; Vidarbha during 2nd-5th August.

Isolated thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph) likely over West Madhya Pradesh during 31st July-1st August, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over West Madhya Pradesh during 2nd-4th August; East Madhya Pradesh during 31st July-4th August; Vidarbha on 31st July.

Isolated thunderstorm & lightning likely over Vidarbha during 1st-4th August; Chhattisgarh during 31st July-4th

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August.

Isolated **heavy rainfall** likely over Vidarbha and West Madhya Pradesh on 31st July; Chhattisgarh during 3rd-6th August.

East India:

Fairly Widespread to Widespread rainfall likely over Andaman & Nicobar Islands, Gangetic West Bengal, Jharkhand and Sub-Himalayan West Bengal & Sikkim during 31st July-6th August; Bihar during 1st-5th August; Odisha during 2nd-5th August.

Isolated to Scattered rainfall likely over Bihar on 31st July and on 6th August; Odisha during 31st July-1st August and on 6th August.

Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Andaman & Nicobar Islands during 31st July-6th August; Jharkhand during 31st July-4th August, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Bihar during 31st July-6th August; Odisha during 31st July-2nd August.

Isolated **thunderstorm & lightning** likely over Gangetic West Bengal on 31st July.

Isolated **heavy rainfall** likely over Andaman & Nicobar Islands and Bihar during 1st-6th August; Sub-Himalayan West Bengal & Sikkim during 31st July-1st August and on 6th August; Gangetic West Bengal during 4th-6th August; Odisha during 2nd-6th August with isolated **very heavy rainfall** also likely over Sub-Himalayan West Bengal & Sikkim during 2nd-5th August.

Northeast India:

Fairly Widespread to Widespread rainfall likely over Arunachal Pradesh during 31st July-2nd August; Assam & Meghalaya during 31st July-5th August; Nagaland, Manipur, Mizoram & Tripura during 31st July-6th August.

Isolated to Scattered rainfall likely over Arunachal Pradesh during 3rd-6th August; Assam & Meghalaya on 6th August.

Isolated **thunderstorm & lightning** likely over Arunachal Pradesh during 31st July-1st August; Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 31st July-4th August.

Isolated **heavy rainfall** likely over Arunachal Pradesh during 1st-6th August; Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 31st July-6th August with isolated **very heavy rainfall** also likely over Arunachal Pradesh on 31st July.

West India:

Fairly Widespread to Widespread rainfall likely over Konkan & Goa during 31st July-6th August; Madhya Maharashtra during 31st July-1st August; Marathwada on 31st July; Gujarat Region and Saurashtra & Kutch during 31st July-2nd August.

Isolated to Scattered rainfall likely over Madhya Maharashtra during 2nd-6th August; Marathwada during 1st-6th August; Gujarat Region and Saurashtra & Kutch during 3rd-6th August.

Isolated **thunderstorm & lightning** likely over Konkan & Goa and Madhya Maharashtra on 31st July; Gujarat Region and Saurashtra & Kutch during 31st July-2nd August.

Isolated **heavy rainfall** likely over Konkan & Goa and Madhya Maharashtra on 31st July and during 2nd-3rd August; Marathwada on 31st July; Gujarat Region during 31st July-1st August; Saurashtra & Kutch during 31st July-2nd August with isolated **very heavy rainfall** also likely over Konkan & Goa and Madhya Maharashtra on 1st August;

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Gujarat Region on 2nd August.

Heavy to very heavy rainfall with extremely heavy rainfall likely at isolated places over Madhya Maharashtra on 31st and Saurashtra & Kutch on 31st July & 01st August July

Isolated exceptionally heavy rainfall over Gujarat Region on 31st July and extremely heavy rainfall likely at isolated places over Gujarat Region on 01st August.

South Peninsular India:

Isolated to Scattered rainfall likely over Coastal Andhra Pradesh & Yanam, Rayalaseema, Tamil Nadu, Puducherry & Karaikal and Telangana during 31st July-6th August; Lakshadweep during 5th-6th August; North Interior Karnataka and South Interior Karnataka during 1st-6th August.

Fairly Widespread to Widespread rainfall likely over Coastal Karnataka and Kerala & Mahe during 31st July-6th August; Lakshadweep during 31st July-4th August; North Interior Karnataka and South Interior Karnataka on 31st July.

Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Coastal Karnataka, Kerala & Mahe, Lakshadweep, South Interior Karnataka and Tamil Nadu, Puducherry & Karaikal during 31st July-1st August; North Interior Karnataka during 2nd-4th August; Coastal Andhra Pradesh & Yanam and Rayalaseema during 31st July-2nd August, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Kerala & Mahe and Lakshadweep on 2nd August; Coastal Karnataka and South Interior Karnataka during 2nd-4th August; Coastal Andhra Pradesh & Yanam and Rayalaseema during 3rd-4th August; Telangana during 31st July-4th August.

Isolated **heavy rainfall** likely over Tamil Nadu, Puducherry & Karaikal on 1st August; Coastal Karnataka, Kerala & Mahe and South Interior Karnataka on 2nd August; Lakshadweep and North Interior Karnataka during 31st July-1st August with isolated **very heavy rainfall** also likely over Tamil Nadu, Puducherry & Karaikal on 31st July; Coastal Karnataka, Kerala & Mahe and South Interior Karnataka during 31st July-1st August.

Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph) likely over North Interior Karnataka during 31st July-1st August.

Strong Surface Winds likely over Kerala & Mahe and Lakshadweep during 31st July-2nd August; Coastal Andhra Pradesh & Yanam, Coastal Karnataka, North Interior Karnataka, Rayalaseema, South Interior Karnataka and Telangana during 31st July-4th August.

Main Weather Observations:

❖ **Rainfall distribution** (from 0830 hours IST of yesterday to 0830 hours IST of today): **at most places** over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Sub Himalayan West Bengal & Sikkim, Gangetic West Bengal, Uttarakhand, West Madhya Pradesh, Konkan & Goa, Madhya Maharashtra, Marathwada, Vidarbha, Chhattisgarh, Telangana, Coastal Karnataka, Kerala & Mahe and Lakshadweep; **at many places** over Andaman & Nicobar Islands, Arunachal Pradesh, Jharkhand, Bihar, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, East Madhya Pradesh, Gujarat Region, Coastal Andhra Pradesh & Yanam, North Interior Karnataka and South Interior Karnataka; **at a few places** over Odisha, East Uttar Pradesh, Haryana-Chandigarh-Delhi, Punjab and East Rajasthan; **at isolated places** over West Uttar Pradesh, West Rajasthan, Saurashtra & Kutch, Rayalaseema and Tamil Nadu, Puducherry & Karaikal.

Significant rainfall recorded(in cm) (from 0830 hours IST of yesterday to 0830 hours IST of today): **Vidarbha:** Ner (dist Yeotmal) 22; Babulgaon (dist Yeotmal) 21; Arni (dist Yeotmal), Nandgaonkazi (dist Amraoti), Jalgaon Jamod (dist Buldhana), Darwha (dist Yeotmal) 20 Each; Nandura (dist Buldhana), Digras (dist Yeotmal) 17 Each; Malegaon (dist Washim), Mahagaon (dist Yeotmal), Chandur Rlwy (dist Amraoti), Wardha (dist Wardha) 16 Each; Kalamb (dist Yeotmal), Dhamangaon Rlwy (dist Amraoti), Ghatanji (dist Yeotmal), Yeotmal (dist Yeotmal), Khamgaon (dist Buldhana), Deoli (dist Wardha) 15 Each; Shegaon (dist Buldhana) 14; Malkapur (dist Buldhana), Buldana (dist Buldhana), Pusad (dist Yeotmal) 13 Each; **Madhya Maharashtra:** Jamner (dist Jalgaon) 22; Mahabaleshwar (dist Satara) 20; Jalgaon - IMD Pt (dist Jalgaon) 16; Dhule (dist Dhule), Chopda (dist Jalgaon) 13 Each; Parola (dist Jalgaon), Bhusawal (dist Jalgaon) 12 Each; Amalner (dist Jalgaon), Dahigaon - Fmo (dist Jalgaon) 11 Each; Erandol (dist Jalgaon) 10; **Marathwada:** Mahur (dist Nanded) 21; Soegaon (dist Chh. Sambhajinagar), Kinwat (dist Nanded) 14 Each; Sillod (dist Chh. Sambhajinagar) 13; Ahmedpur (dist Latur), Gangakhed (dist Parbhani), Pathri (dist Parbhani), Purna (dist Parbhani), Kandhar (dist Nanded) 10 Each; **West Madhya Pradesh:** Gogawan (dist Khargone) 19; Burhanpur (dist Burhanpur) 18; Bhimpur (dist Betul), Warla (dist Barwani) 16 Each; Khandwa (dist Khandwa), Khaknar (dist Burhanpur), Udaigarh (dist Alirajpur) 13 Each; Barwaha (dist Khargone), Khargone-aws (dist Khargone), Shegaon (dist Khargone), Chachariyapati (dist Barwani) 11 Each; **West Uttar Pradesh:** Bijnor (dist Bijnor) 16; **Himachal Pradesh:** Dharmasala (dist Kangra) 15; **Telangana:** Velagatoor (dist Jagtial) 14; Talamadugu (dist Adilabad) 13; Dharmapuri (dist Jagtial), Jainoor (dist Kumaram Bheem) 12 Each; Sarangapur (dist Jagtial), Luxettipet (dist Mancheria), Utnur (dist Adilabad), Mancheria (dist Mancheria), Mandhamarri (dist Mancheria) 11 Each; Kerameri (dist Kumaram Bheem), Sirpuru (dist Kumaram Bheem), Dandepalle (dist Mancheria), Jannaram (dist Mancheria), Belampalle (dist Mancheria) 10 Each; **Assam & Meghalaya:** Hazuah (dist Barpeta) 13; Baksa Kvk AWS (dist Baksa) 10; **Nagaland, Manipur, Mizoram & Tripura:** Phek Sadar Nsdma AWS (dist Phek) 12; **Kerala & Mahe:** Peermade To (dist Idukki) 11; **Chhattisgarh:** Bijapur (dist Bijapur) 11; **Tamil Nadu, Puducherry & Karaikal:** Sholayar (dist Coimbatore) 10.

❖ **Heavy Rainfall observed** (from 0830 hours IST of yesterday to 0830 hours IST of today): **Extremely heavy rainfall** has been recorded over Madhya Maharashtra, Vidarbha and Marathwada. **Very Heavy rainfall (12-20 cm)** has been recorded over Himachal Pradesh, West Uttar Pradesh, West Madhya Pradesh, Gujarat Region, Assam, Nagaland, Telangana, **Heavy rainfall (7-11 cm)** has been recorded over Uttarakhand, Haryana, East Rajasthan, Chhattisgarh, Sub-Himalayan West Bengal & Sikkim, Odisha, Jharkhand, Tamil Nadu, Kerala & Mahe, Coastal Karnataka, South Interior Karnataka.

❖ **Minimum Temperature Departures (as on 31-07-2026):** **markedly above normal(> 5.1°C)** at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Bihar, West Uttar Pradesh, Himachal Pradesh, West Rajasthan, West Madhya Pradesh, East Madhya Pradesh, Saurashtra & Kutch and Vidarbha. **appreciably above normal(3.1°C to 5.0°C)** at few places over Andaman & Nicobar Islands, Sub Himalayan West Bengal & Sikkim, East Rajasthan and Gujarat Region; at isolated places over Odisha, East Uttar Pradesh, Madhya Maharashtra, Rayalaseema and Tamil Nadu, Puducherry & Karaikal. **above normal(1.6°C to 3.0°C)** at many places over Konkan & Goa and Lakshadweep; at few places over Coastal Karnataka; at isolated places over Gangetic West Bengal, Jharkhand, Uttarakhand, Haryana-Chandigarh-Delhi, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Marathwada, Coastal Andhra Pradesh & Yanam, South Interior Karnataka and Kerala & Mahe. **near normal(-1.5°C to 1.5°C)** at many places over Telangana; at most places over Arunachal Pradesh, Punjab, Chhattisgarh and North Interior Karnataka. **The lowest minimum temperature** of 18.0°C was reported at BOUDH (ORISSA) over the Plains of India.

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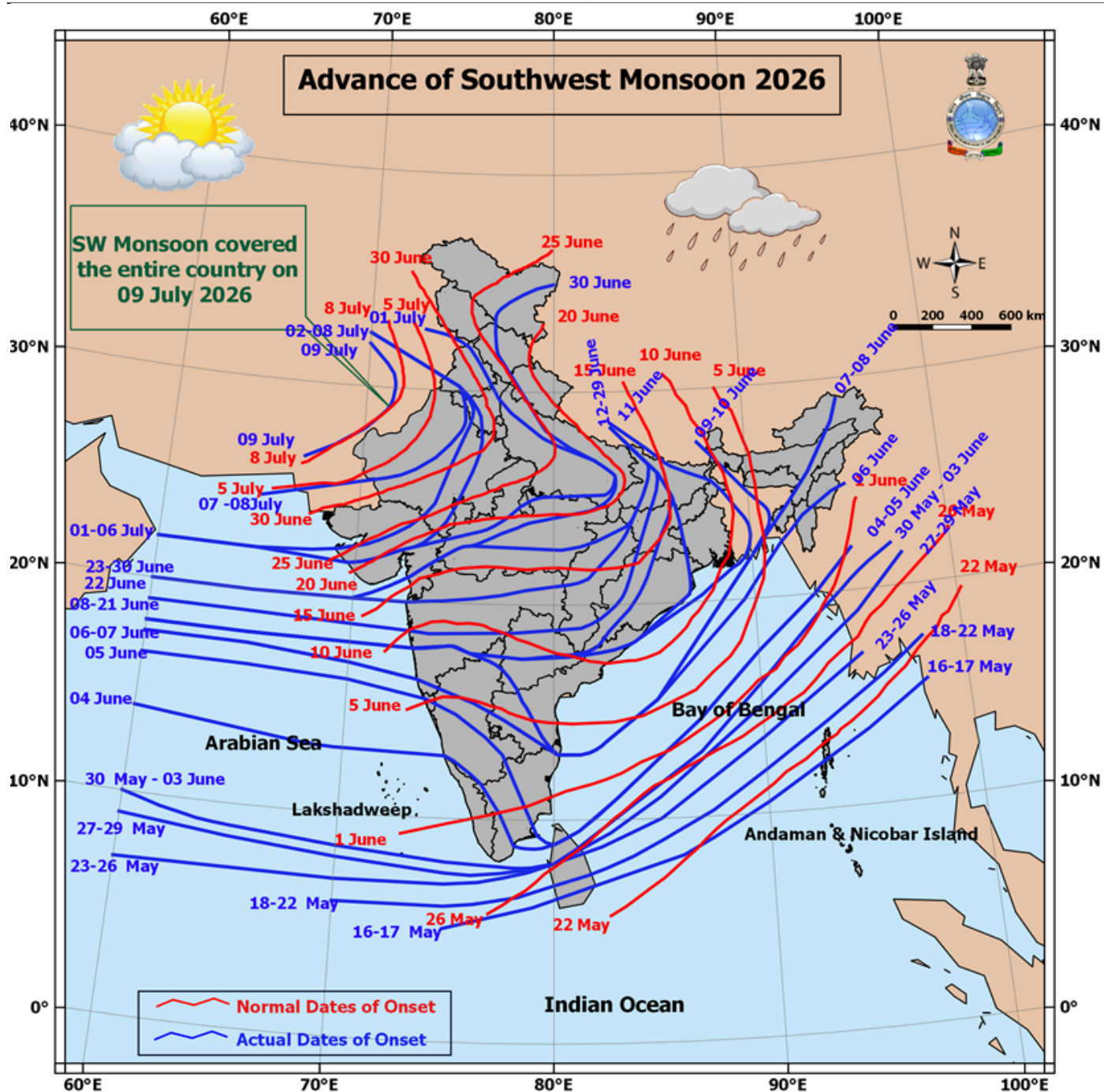


❖ **Maximum Temperature Departures (as on 30-07-2026):** appreciably above normal(3.1°C to 5.0°C) at most places over Himachal Pradesh; at isolated places over Tamil Nadu, Puducherry & Karaikal. **near normal(-1.5°C to 1.5°C)** at few places over West Uttar Pradesh. **The highest maximum temperature** of 40.1°C was reported at SRIGANGANAGAR (RAJASTHAN).



Meteorological Analysis (Based on 0830 hours IST)

- The **Depression** over east Vidarbha and adjoining westcentral Chhattisgarh moved nearly west-northwestwards with a speed of 15 kmph during past 6 hours, and lay centred at 0830 hrs IST of today, the 31st July 2026, over western Vidarbha and adjoining south Madhya Pradesh near latitude 21.1°N and longitude 78.2°E, 50 km east-northeast of Amravati (Maharashtra), 60 km northwest of Wardha (Maharashtra), 90 km south-southeast of Betul (Madhya Pradesh), 210 km east-southeast of Khandwa (Madhya Pradesh) and 280 km east-southeast of Khargone (Madhya Pradesh). It is very likely to move west-northwestwards across Vidarbha, south Madhya Pradesh & adjoining Madhya Maharashtra and weaken into a Well Marked low pressure area during next 24 hours.
- The **Monsoon trough** at mean sea level now passes through Jaisalmer, Udaipur, Indore, centre of **Depression** over Western Vidarbha and adjoining south Madhya Pradesh, Gopalpur thence southeastwards towards Central Bay of Bengal at mean sea level.
- A fresh **Western Disturbance** as a trough in middle tropospheric westerlies with its axis at 5.8 km above mean sea level runs roughly along Long. 71°E to the north of Lat. 30°N.
- The **east-west shear** zone roughly along latitude 21°N now seen as a trough from Northeast Arabian sea to cyclonic circulation associated with **Depression** over western Vidarbha and adjoining south Madhya Pradesh across South Gujarat, North Madhya Maharashtra between 1.5 & 7.6 km above mean sea level.
- The **upper air cyclonic circulation** over central Assam persists and now seen at 1.5 km above mean sea level.
- The **off-Shore trough** at mean sea level from South Gujarat to North Kerala persists.
- The **Western Disturbance** as a cyclonic circulation over north Haryana & neighbourhood at 3.1 km above mean sea level has become less marked.

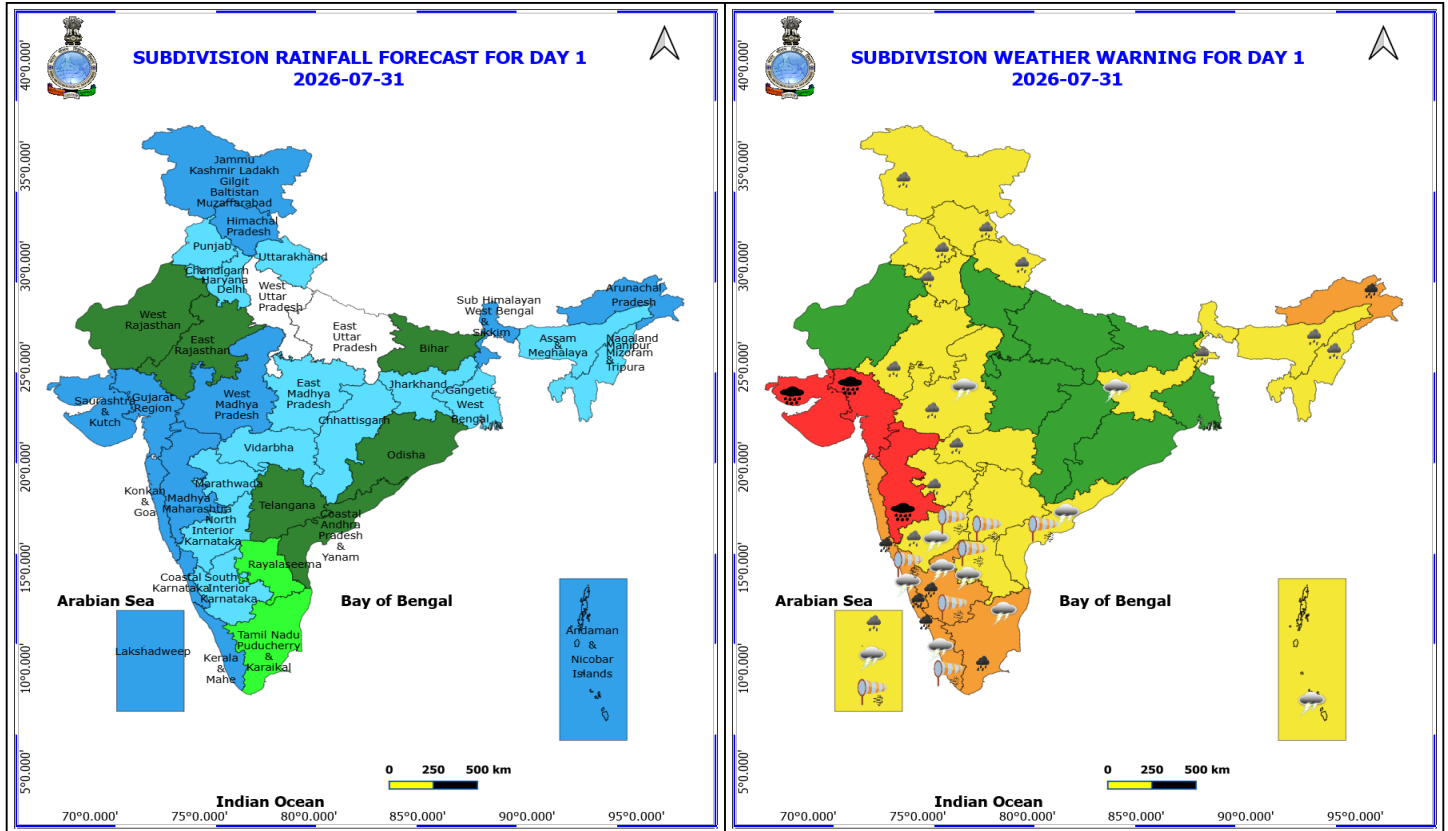


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31 July (Day 1)

- ❖ **Heavy to Very Heavy Rainfall with isolated Extremely Heavy Rainfall** very likely at isolated places over Gujarat State and Madhya Maharashtra.
- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Arunachal Pradesh, Coastal Karnataka, Kerala & Mahe, Konkan & Goa, South Interior Karnataka and Tamil Nadu Puducherry & Karaikal.
- ❖ **Heavy Rainfall** very likely at isolated places over Assam & Meghalaya, East Rajasthan, Haryana, Chandigarh & Delhi, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Lakshadweep, Marathwada, Nagaland, Manipur, Mizoram and Tripura, North Interior Karnataka, Punjab, Sub Himalayan West Bengal & Sikkim, Uttarakhand, Vidarbha and West Madhya Pradesh.
- ❖ **Thundersquall with wind speed reaching(50-60kmph)** very likely at isolated places over North Interior Karnataka.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Andaman & Nicobar Islands, Andhra Pradesh, Coastal Karnataka, Jharkhand, Kerala & Mahe, Lakshadweep, South Interior Karnataka, Tamil Nadu Puducherry & Karaikal and West Madhya Pradesh.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Bihar, East Madhya Pradesh, East Uttar Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Odisha, Telangana, Uttarakhand and Vidarbha.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Chhattisgarh, Gangetic West Bengal, Gujarat State, Konkan & Goa, Madhya Maharashtra and Nagaland, Manipur, Mizoram and Tripura.

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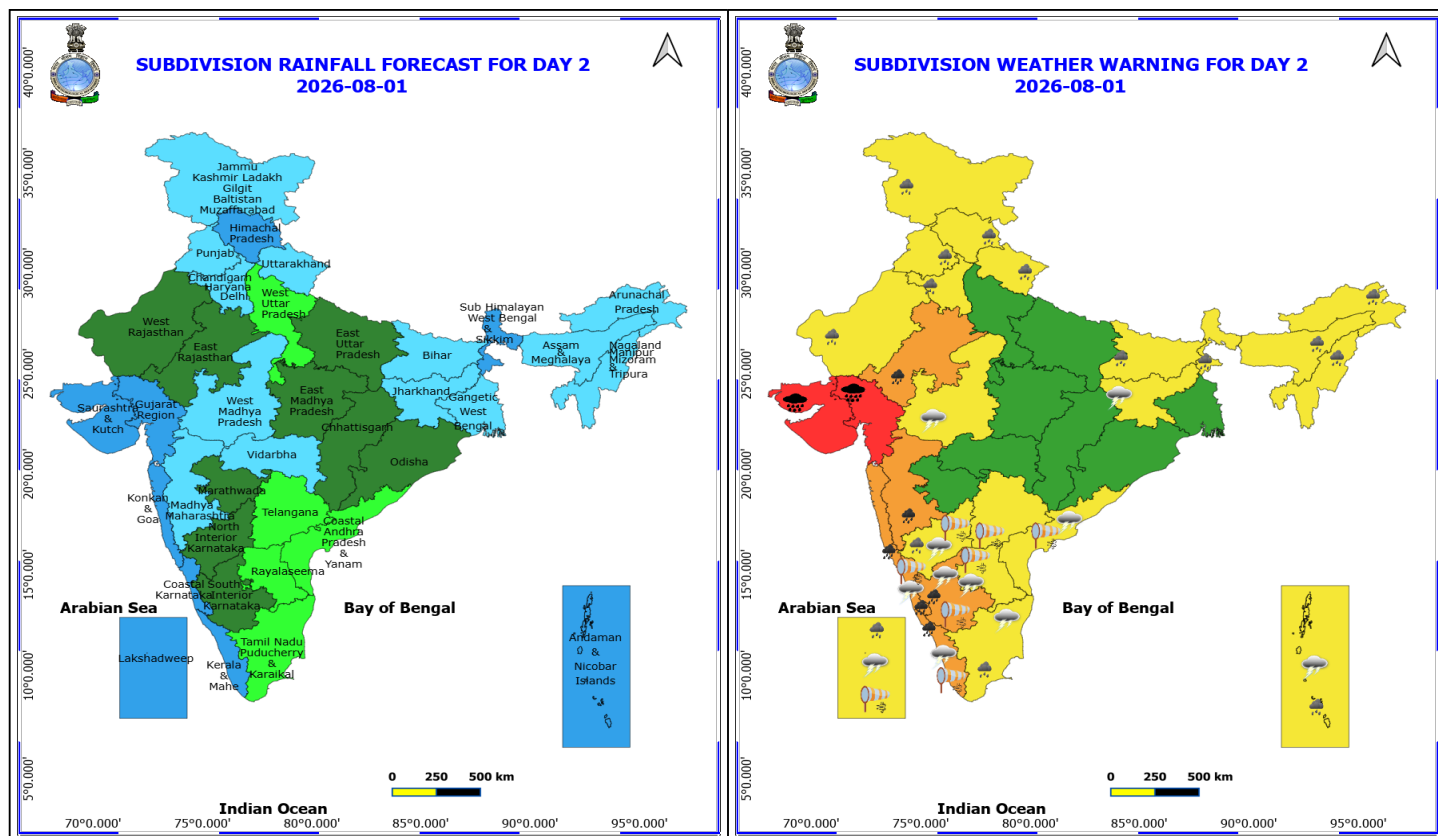
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❖ **Strong Surface Winds** very likely at isolated places over Andhra Pradesh, Karnataka, Kerala & Mahe, Lakshadweep and Telangana.

❖ **Arabian Sea:** Squally wind with speed 45-55 kmph gusting to 65 kmph is likely to prevail along and off Somalia and Oman Coasts, over most parts of central adjoining some parts of southwest and few parts of southeast & north Arabian Sea. Squally Weather with wind speed 40-50 kmph gusting to 60 kmph is likely to prevail along and off South Gujarat, Konkan & Goa, Karnataka, Kerala coasts, Lakshadweep area and adjoining sea areas.

❖ **Bay of Bengal:** Squally wind with speed 45-55 kmph gusting to 65 kmph is likely to prevail over few parts of Gulf of Mannar, southwest Bay of Bengal adjoining north & south Sri Lanka coasts. Squally Weather with wind speed 40-50 kmph gusting to 60 kmph is likely to prevail along and off south Odisha coasts adjoining northwest Bay of Bengal.



1 August (Day 2)

- ❖ **Heavy to Very Heavy Rainfall with isolated Extremely Heavy Rainfall** very likely at isolated places over Gujarat State.
- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Coastal Karnataka, East Rajasthan, Kerala & Mahe, Konkan & Goa, Madhya Maharashtra and South Interior Karnataka.
- ❖ **Heavy Rainfall** very likely at isolated places over Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Bihar, Haryana, Chandigarh & Delhi, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Lakshadweep, Nagaland, Manipur, Mizoram and Tripura, North Interior Karnataka, Punjab, Sub Himalayan West Bengal & Sikkim, Tamil Nadu Puducherry & Karaikal, Uttarakhand and West Rajasthan.
- ❖ **Thundersquall with wind speed reaching(50-60kmph)** very likely at isolated places over North Interior Karnataka.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Andaman & Nicobar Islands, Andhra Pradesh, Coastal Karnataka, Jharkhand, Kerala & Mahe, Lakshadweep, South Interior Karnataka, Tamil Nadu Puducherry & Karaikal and West Madhya Pradesh.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Bihar, East Madhya Pradesh, East Uttar Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Odisha, Telangana and Uttarakhand.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Chhattisgarh, Gujarat State, Nagaland, Manipur, Mizoram and Tripura and Vidarbha.
- ❖ **Strong Surface Winds** very likely at isolated places over Andhra Pradesh, Karnataka, Kerala & Mahe,

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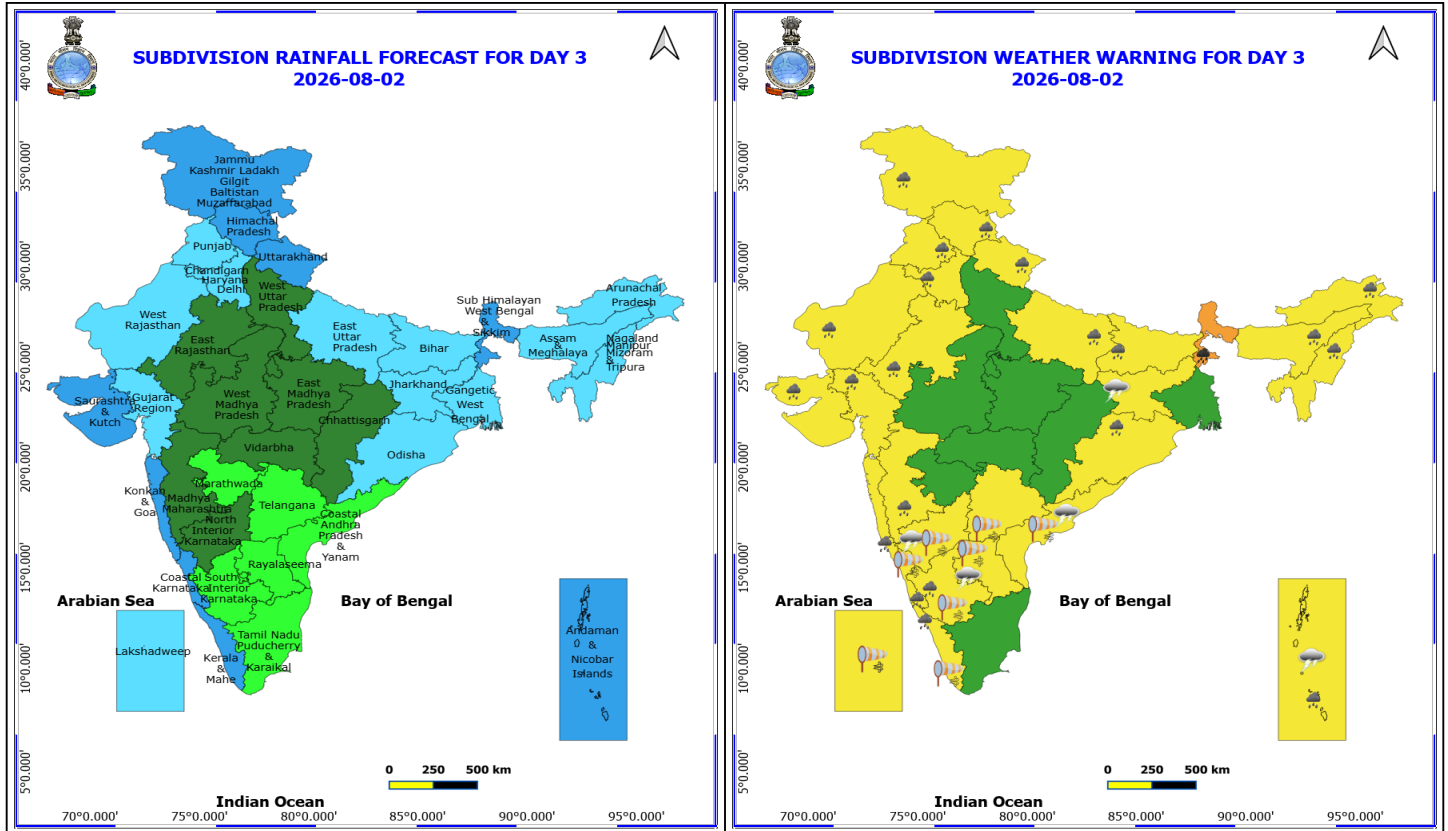
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Lakshadweep and Telangana.

- ❖ **Arabian Sea:** Squally weather with wind speed 50-60 kmph gusting to 70 kmph is likely to prevail along and off south Gujarat, north Maharashtra and adjoining northeast & eastcentral Arabian Sea, some parts of southwest & westcentral Arabian Sea adjoining Somalia coasts. Squally wind with speed 45-55 kmph gusting to 65 kmph is likely to prevail along and off Somalia and Oman coasts, over most parts of central adjoining some parts of southwest, few parts of southeast & northwest Arabian Sea. Squally Weather with wind speed 40-50 kmph gusting to 60 kmph is likely to prevail along and off south Maharashtra & Goa, Karnataka, Kerala coasts, Lakshadweep area & adjoining sea areas.
- ❖ **Bay of Bengal:** Squally wind with speed 45-55 kmph gusting to 65 kmph is likely to prevail over few parts of Gulf of Mannar, southwest Bay of Bengal adjoining south Sri Lanka coasts.



2 August (Day 3)

- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Sub Himalayan West Bengal & Sikkim.
- ❖ **Heavy Rainfall** very likely at isolated places over Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Bihar, Coastal Karnataka, East Uttar Pradesh, Gujarat State, Haryana, Chandigarh & Delhi, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Kerala & Mahe, Konkan & Goa, Madhya Maharashtra, Nagaland, Manipur, Mizoram and Tripura, Odisha, Punjab, Rajasthan, South Interior Karnataka and Uttarakhand.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Andaman & Nicobar Islands, Andhra Pradesh, Jharkhand and North Interior Karnataka.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Bihar, Coastal Karnataka, East Uttar Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Kerala & Mahe, Lakshadweep, Madhya Pradesh, Odisha, South Interior Karnataka, Telangana and Uttarakhand.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Assam & Meghalaya, Chhattisgarh, Gujarat State, Nagaland, Manipur, Mizoram and Tripura and Vidarbha.
- ❖ **Strong Surface Winds** very likely at isolated places over Andhra Pradesh, Karnataka, Kerala & Mahe, Lakshadweep and Telangana.
- ❖ **Arabian Sea:** Squally wind with speed 45-55 kmph gusting to 65 kmph is likely to prevail along and off Somalia and Oman coasts, over most parts of central adjoining some parts of southwest and few parts of north Arabian Sea and Squally weather with wind speed 45-55 kmph gusting to 65 kmph is likely to prevail over Comorin area and south Sri Lanka coasts adjoining sea areas. Squally Weather with wind speed 40-50 kmph gusting to 60 kmph is likely to prevail along and off Gujarat, Karnataka, Kerala coasts, Lakshadweep area, Comorin area and adjoining sea areas.

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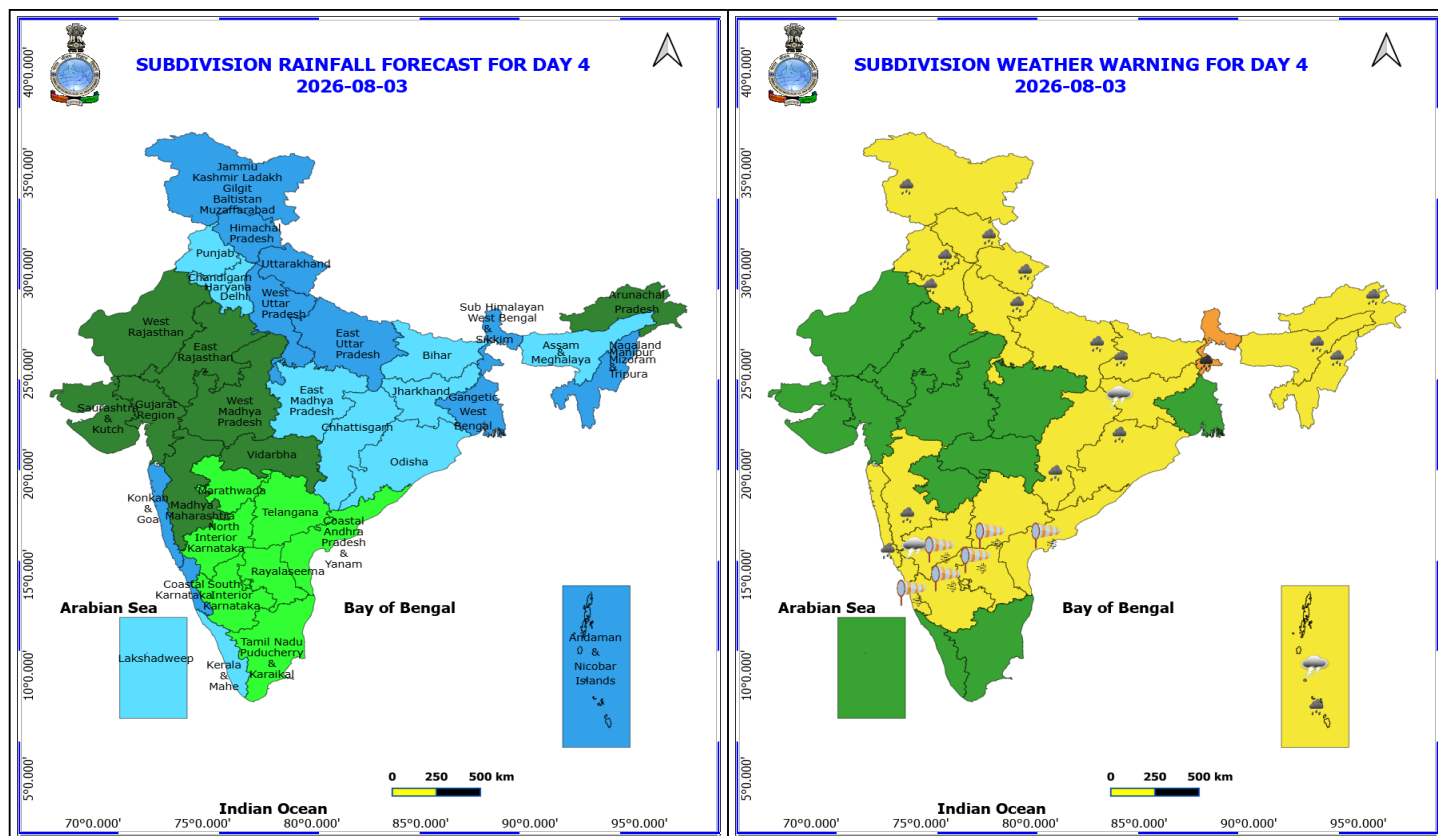
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❖ **Bay of Bengal:** Squally weather with wind speed 40-50 kmph gusting to 60 kmph is likely to prevail along & off south Sri Lanka coast adjoining few parts of southwest Bay of Bengal and over Gulf of Mannar.



3 August (Day 4)

- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Sub Himalayan West Bengal & Sikkim.
- ❖ **Heavy Rainfall** likely at isolated places over Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Bihar, Chhattisgarh, Haryana, Chandigarh & Delhi, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Konkan & Goa, Madhya Maharashtra, Nagaland, Manipur, Mizoram and Tripura, Odisha, Punjab, Uttar Pradesh and Uttarakhand.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Andaman & Nicobar Islands, Jharkhand and North Interior Karnataka.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Andhra Pradesh, Bihar, Coastal Karnataka, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Madhya Pradesh, South Interior Karnataka, Telangana and Uttarakhand.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Assam & Meghalaya, Chhattisgarh, Nagaland, Manipur, Mizoram and Tripura and Vidarbha.
- ❖ **Strong Surface Winds** likely at isolated places over Andhra Pradesh, Karnataka and Telangana.
- ❖ **Arabian Sea:** Squally wind with speed 45-55 kmph gusting to 65 kmph is likely to prevail along and off Somalia and Oman coasts, over most parts of westcentral adjoining some parts of eastcentral, southwest & north Arabian Sea. Squally weather with wind speed 45-55 kmph gusting to 65 kmph is likely to prevail along and off Gujarat coasts adjoining northeast Arabian Sea, Comorin area. Squally Weather with wind speed 40-50 kmph gusting to 60 kmph is likely to prevail along and off Karnataka, Kerala coasts, Lakshadweep area, Comorin area and adjoining sea areas.
- ❖ **Bay of Bengal:** Squally weather with wind speed 45-55 kmph gusting to 65 kmph is likely to prevail over Gulf of

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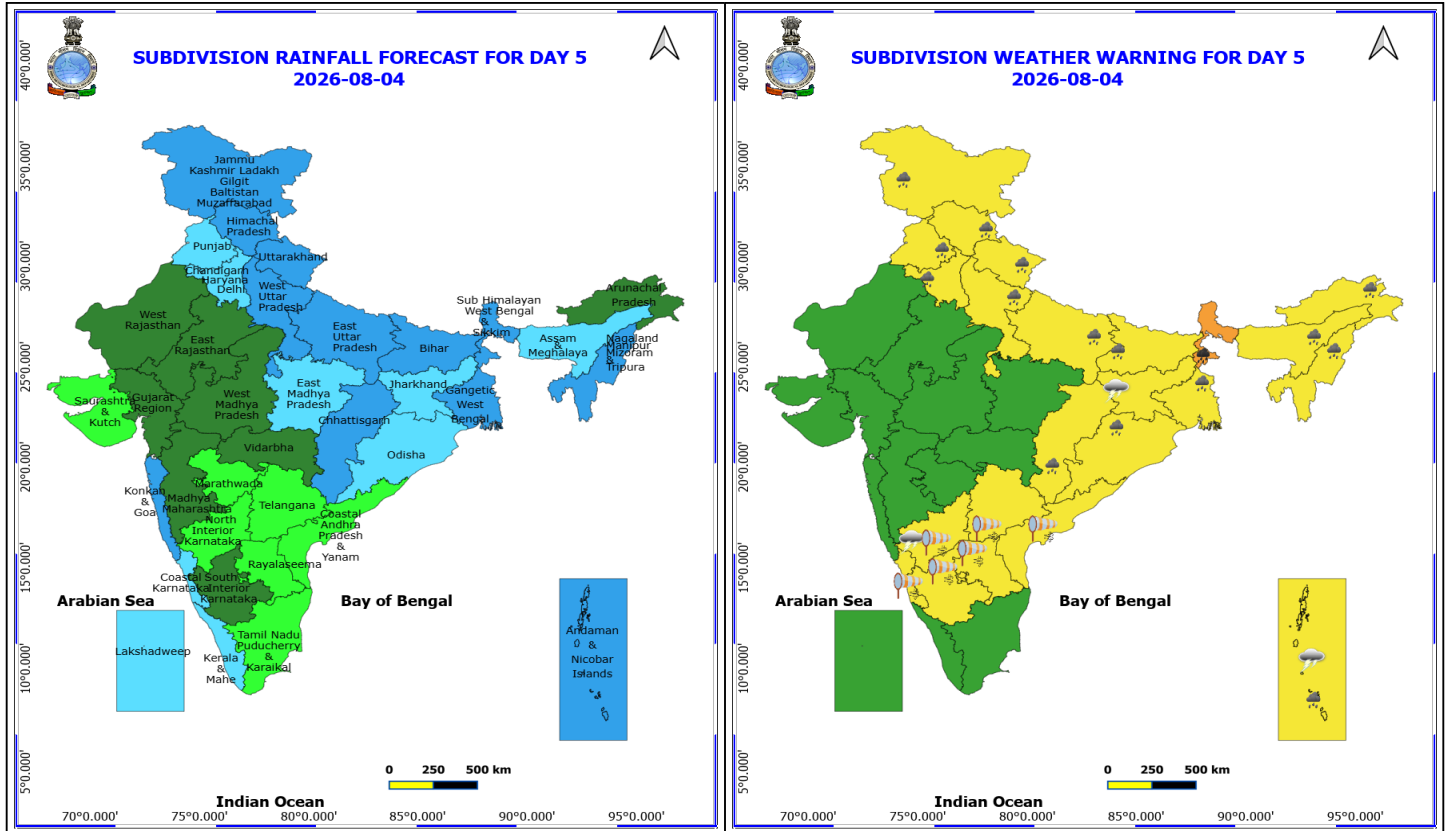
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Mannar adjoining South Sri Lanka coasts.



4 August (Day 5)

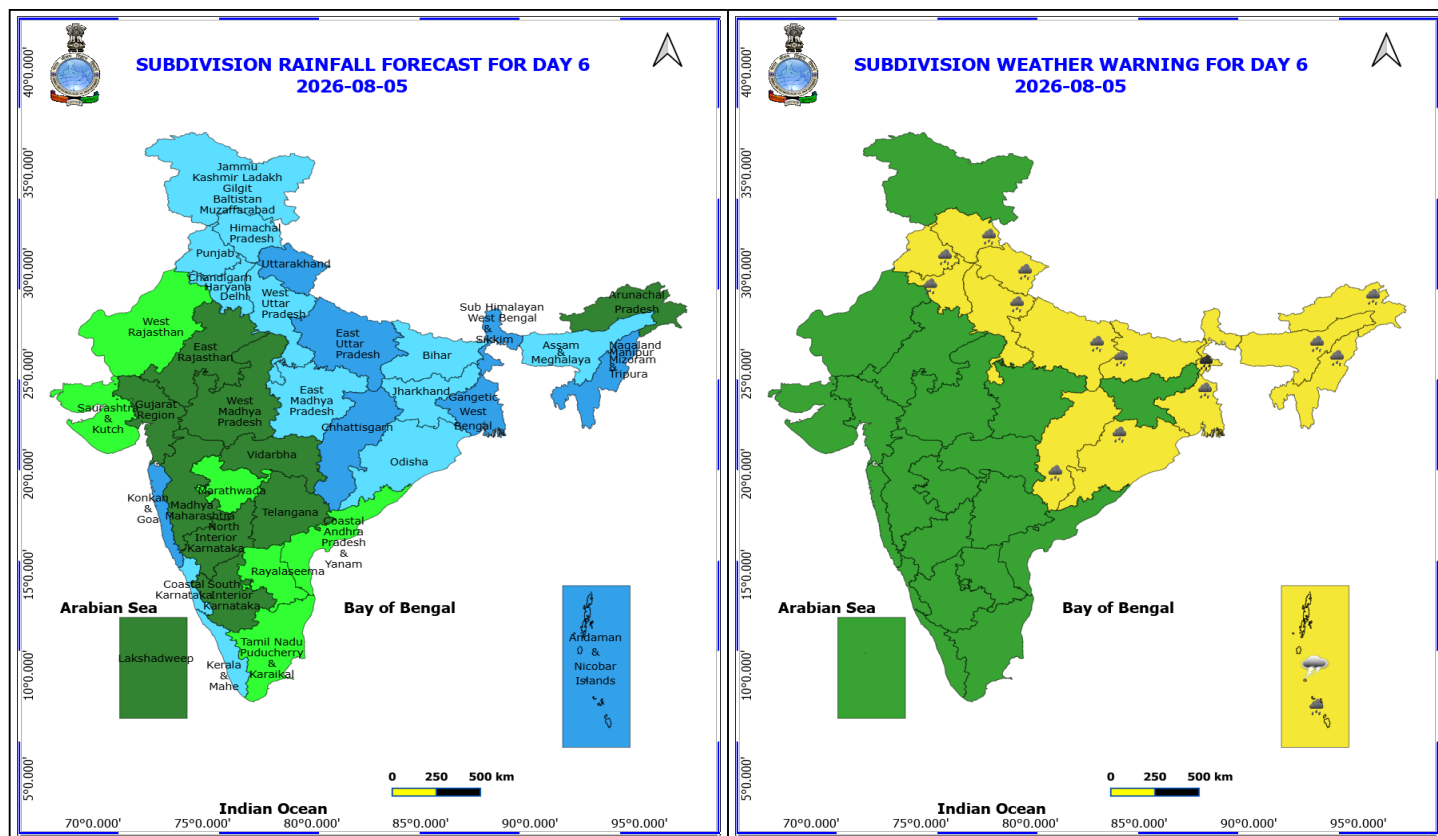
- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Sub Himalayan West Bengal & Sikkim.
- ❖ **Heavy Rainfall** likely at isolated places over Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Bihar, Chhattisgarh, Gangetic West Bengal, Haryana, Chandigarh & Delhi, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Nagaland, Manipur, Mizoram and Tripura, Odisha, Punjab, Uttar Pradesh and Uttarakhand.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Andaman & Nicobar Islands, Jharkhand and North Interior Karnataka.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Andhra Pradesh, Bihar, Coastal Karnataka, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Madhya Pradesh, South Interior Karnataka, Telangana and Uttarakhand.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Assam & Meghalaya, Chhattisgarh, Nagaland, Manipur, Mizoram and Tripura and Vidarbha.
- ❖ **Strong Surface Winds** likely at isolated places over Andhra Pradesh, Karnataka and Telangana.
- ❖ **Arabian Sea:** Squally wind with speed 45-55 kmph gusting to 65 kmph is likely to prevail along and off Somalia and Oman coasts, over most parts of westcentral adjoining some parts of eastcentral, southwest & north Arabian Sea. Squally weather with wind speed 45-55 kmph gusting to 65 kmph is likely to prevail over Comorin area.
- ❖ **Bay of Bengal:** Squally weather with wind speed 45-55 kmph gusting to 65 kmph is likely to prevail over Gulf of Mannar, South Sri Lanka coasts adjoining Sea areas. Squally Weather with wind speed 40-50 kmph gusting to 60 kmph is likely to prevail over Andaman Sea.

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5 August (Day 6)

- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Sub Himalayan West Bengal & Sikkim.
- ❖ **Heavy Rainfall** likely at isolated places over Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Bihar, Chhattisgarh, Gangetic West Bengal, Haryana, Chandigarh & Delhi, Himachal Pradesh, Nagaland, Manipur, Mizoram and Tripura, Odisha, Punjab, Uttar Pradesh and Uttarakhand.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Andaman & Nicobar Islands.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Bihar, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and Uttarakhand.

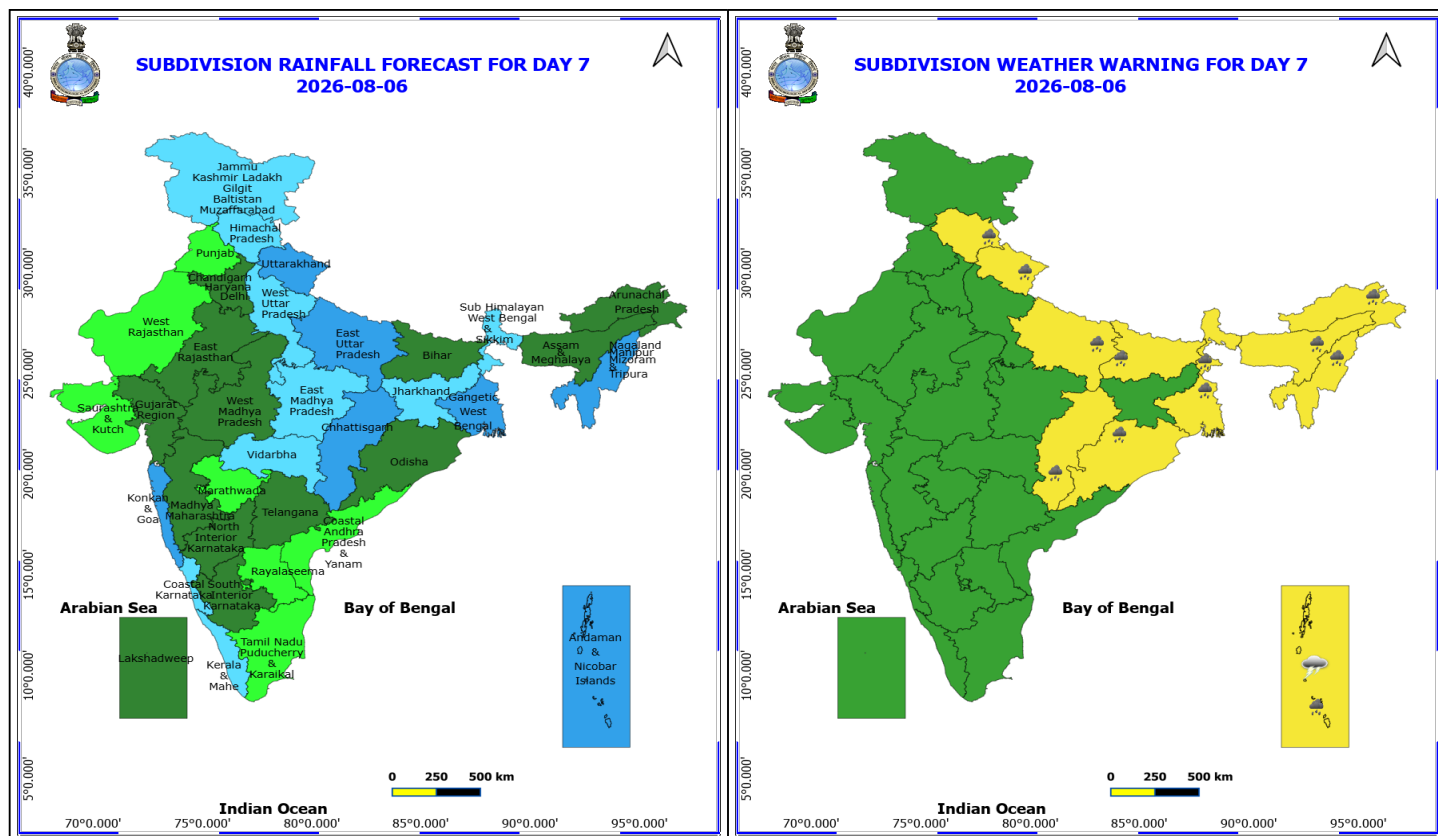
No Fishermen Warning

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6 August (Day 7)

- ❖ **Heavy Rainfall** likely at isolated places over Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Bihar, Chhattisgarh, East Uttar Pradesh, Himachal Pradesh, Nagaland, Manipur, Mizoram and Tripura, Odisha, Uttarakhand and West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Andaman & Nicobar Islands.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Bihar, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and Uttarakhand.

No Fishermen Warning

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Flash Flood Warnings

24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 01-08-2026 :

Low to Moderate flash flood risk likely over few watersheds & neighbourhoods of following Met Sub-divisions during next 24 hours.

West Madhya Pradesh - Agar-Malwa, Alirajpur, Barwani, Burhanpur, Dewas, Dhar, Indore, Jhabua, Khandwa, Khargone, Mandsaur, Nimach, Ratlam and Shajapur districts.

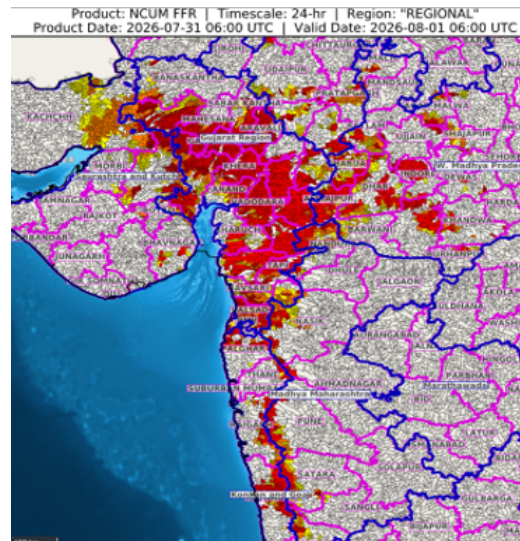
Gujarat Region - Dadar & Nagar Haveli, Daman, Ahmadabad, Anand, Aravalli, Banaskantha, Bharuch, Chhota Udepur, Dahod, Dangs, Gandhinagar, Khera, Mahesana, Mahisagar, Narmada, Navsari, Panchmahal, Patan, Sabar Kantha, Surat, Tapi, Vadodara and Valsad districts.

Konkan & Goa - Palghar, Raigarh, Ratnagiri and Thane districts.

Madhya Maharashtra - Nandurbar, Nasik, Pune and Satara districts.

Saurashtra & Kutch - Bhavnagar, Rajkot, Surendranagar, Morbi and Kachchh districts.

Surface runoff/ Inundation may occur at some fully saturated soils & low-lying areas over Area of Concern (AoC) as shown in map due to expected rainfall occurrence in next 24 hours.



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Table-1

7 Days Rainfall Forecast

S.No.	Subdivision	31- Jul	1- Aug	2- Aug	3- Aug	4- Aug	5- Aug	6- Aug
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	WS	WS	WS	WS	WS	WS	WS
2	ARUNACHAL PRADESH	WS	FWS	FWS	SCT	SCT	SCT	SCT
3	ASSAM & MEHGHALAYA	FWS	FWS	FWS	FWS	FWS	FWS	SCT
4	N. M. M. & T.	FWS	FWS	FWS	WS	WS	WS	WS
5	S.H. WEST BENGAL & SIKKIM	WS	WS	WS	WS	WS	WS	FWS
6	GANGETIC WEST BENGAL	FWS	FWS	FWS	WS	WS	WS	WS
7	ODISHA	SCT	SCT	FWS	FWS	FWS	FWS	SCT
8	JHARKHAND	FWS	FWS	FWS	FWS	FWS	FWS	FWS
9	BIHAR	SCT	FWS	FWS	FWS	WS	FWS	SCT
10	EAST UTTAR PRADESH	DRY	SCT	FWS	WS	WS	WS	WS
11	WEST UTTAR PRADESH	DRY	ISOL	SCT	WS	WS	FWS	FWS
12	UTTARAKHAND	FWS	FWS	WS	WS	WS	WS	WS
13	HARYANA, CHD & DELHI	FWS	FWS	FWS	FWS	FWS	FWS	SCT
14	PUNJAB	FWS	FWS	FWS	FWS	FWS	FWS	ISOL
15	HIMACHAL PRADESH	WS	WS	WS	WS	WS	FWS	FWS
16	JAMMU AND KASHMIR AND LADAKH	WS	FWS	WS	WS	WS	FWS	FWS
17	WEST RAJASTHAN	SCT	SCT	FWS	SCT	SCT	ISOL	ISOL
18	EAST RAJASTHAN	SCT	SCT	SCT	SCT	SCT	SCT	SCT
19	WEST MADHYA PRADESH	WS	FWS	SCT	SCT	SCT	SCT	SCT
20	EAST MADHYA PRADESH	FWS	SCT	SCT	FWS	FWS	FWS	FWS
21	GUJRAT REGION	WS	WS	FWS	SCT	SCT	SCT	SCT
22	SAURASHTRA & KUTCH	WS	WS	WS	SCT	ISOL	ISOL	ISOL
23	KONKAN & GOA	WS	WS	WS	WS	WS	WS	WS
24	MADHYA MAHARASHTRA	WS	FWS	SCT	SCT	SCT	SCT	SCT
25	MARATHWADA	FWS	SCT	ISOL	ISOL	ISOL	ISOL	ISOL
26	VIDARBHA	FWS	FWS	SCT	SCT	SCT	SCT	FWS
27	CHATTISGARH	FWS	SCT	SCT	FWS	WS	WS	WS
28	COASTAL ANDHRA PRADESH	SCT	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
29	TELANGANA	SCT	ISOL	ISOL	ISOL	ISOL	SCT	SCT
30	RAYALASEEMA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
31	TAMILNADU & PUDUCHERRY	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
32	COSTAL KARNATAKA	WS	WS	WS	WS	FWS	FWS	FWS
33	NORTH INTERIOR KARNATAKA	FWS	SCT	SCT	ISOL	ISOL	SCT	SCT
34	SOUTH INTERIOR KARNATAKA	FWS	SCT	ISOL	ISOL	SCT	SCT	SCT
35	KERALA	WS	WS	WS	FWS	FWS	FWS	FWS
36	LAKSHDWEEP	WS	WS	FWS	FWS	FWS	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 2026-07-30

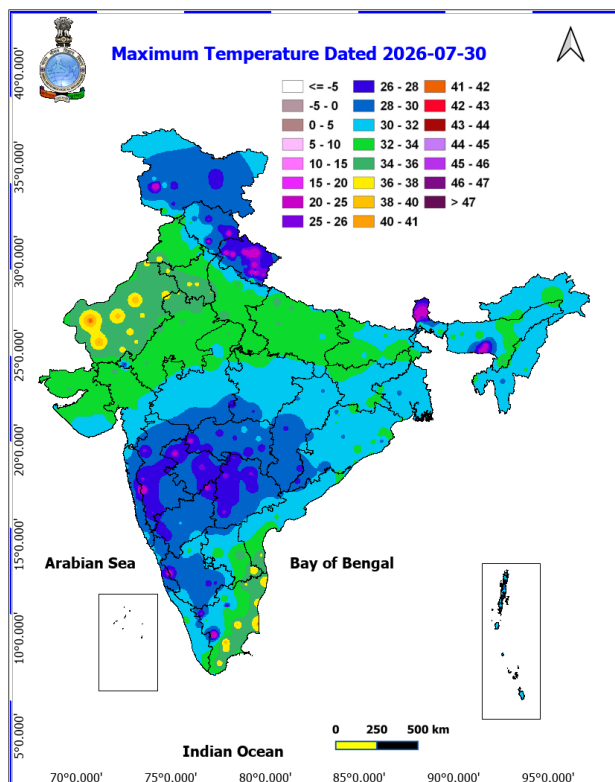


Fig. 2: Departure of Maximum Temp. Dated 2026-07-30

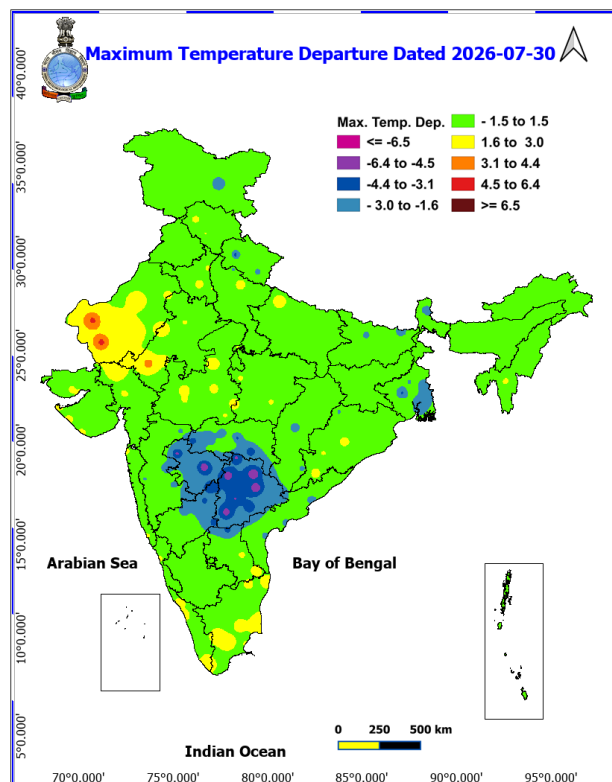


Fig. 3: Minimum Temperatures Dated 2026-07-31

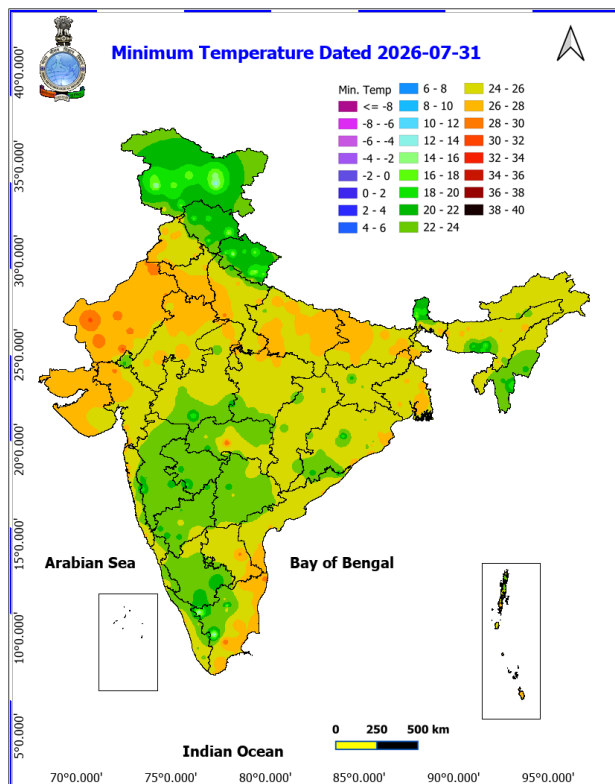
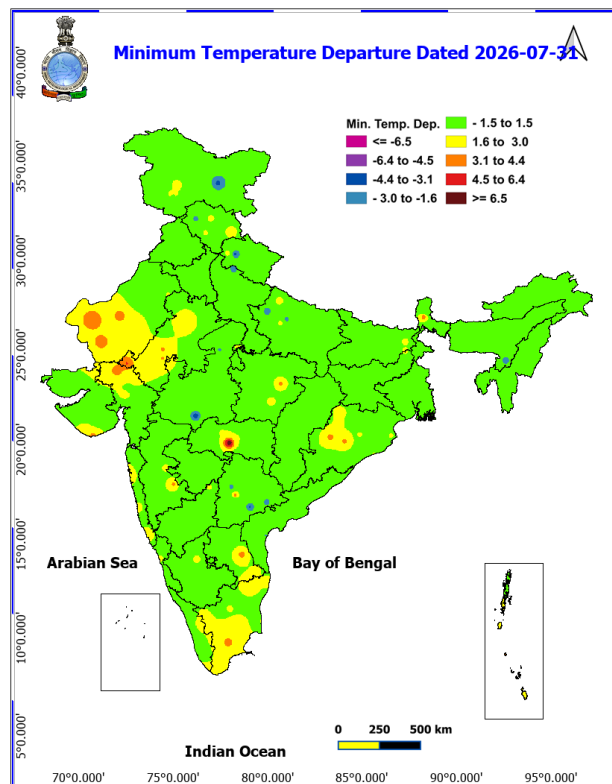


Fig. 4: Departure of Minimum Temp. Dated 2026-07-31

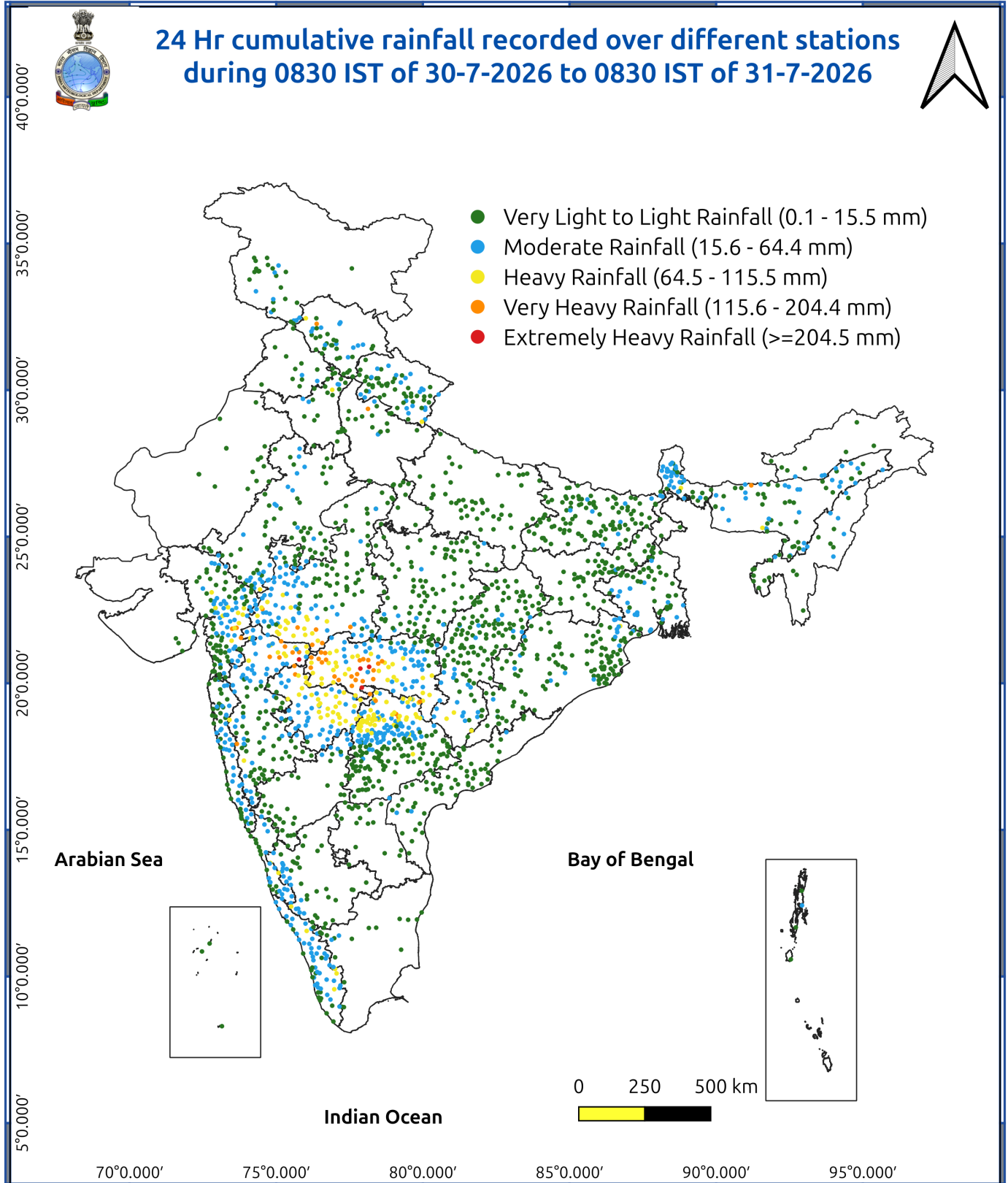


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Impact and Actions

Impact Expected & Action Suggested due to heavy/very heavy/extremely heavy rainfall:

- Isolated exceptionally heavy rainfall over Gujarat Region on 31st July and extremely heavy rainfall likely at isolated places over Gujarat Region on 01st August. Heavy to very heavy rainfall with extremely heavy rainfall likely at isolated places over Saurashtra & Kutch and Madhya Maharashtra on 31st July.

Impact Expected

- Localized Flooding of roads, water logging in low lying areas and closure of underpasses mainly in urban areas.
- Occasional reduction in visibility due to heavy rainfall.
- Disruption of traffic in major cities due to water logging in roads leading to increased travel time.
- Minor damage to kutcha roads.
- Possibilities of damage to vulnerable structure.
- Localized Landslides/Mudslides/landslips/mudslips/landsinks/mudsinks.
- Damage to horticulture and standing crops in some areas due to inundation.
- It may lead to riverine flooding in some river catchments (for riverine flooding please visit Web page of CWC)

Action Suggested

- Check for traffic congestion on your route before leaving for your destination.
- Follow any traffic advisories that are issued in this regard.
- Avoid going to areas that face the water logging problems often.
- Avoid staying in vulnerable structure.

Agromet advisories for various parts of the country

Agromet advisories for likely impact of Heavy Rainfall:

In **Gujarat**, maintain proper drainage to drain out excess rainwater from the field of rice, cotton, pearl millet, soybean, Pigeon pea, green gram, black gram, maize, groundnut and vegetable fields to prevent prolonged waterlogging. Provide strong bamboo staking to tall crops (banana, papaya, sugarcane).

In **Konkan**, ensure proper drainage in 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 **Madhya Maharashtra**, drain out excess water from rice nurseries and *kharif* crops like maize, cotton, pigeon pea, groundnut, green gram and black gram.

In **Marathwada**, drain out excess water from *kharif* crops like cotton, pigeon pea, green gram, black gram and groundnut. Postpone fertilizer and plant protection operations until field conditions improve.

In **Vidarbha**, drain out excess water from *kharif* crops like maize, cotton, pigeon pea, soybean, orchards and vegetable nurseries.

In **Tamil Nadu**, make necessary arrangements to drain out excess rain water from standing crops, vegetable fields and orchards. Keep the harvested produce at safer place.

In **Keralam**, ensure proper drainage in banana, coconut, cardamom, ginger, black pepper and vegetable fields to prevent waterlogging.

In **Karnataka**, keep field drainage channels clear and ensure proper drainage in paddy fields, orchards and vegetable fields to prevent prolonged waterlogging.

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In **Telangana**, drain out excess rainwater from rice, maize, cotton, red gram, soybean and vegetable fields to prevent waterlogging.

In **Sub-Himalayan West Bengal**, ensure proper drainage in the fields of rice, jute, ginger and vegetable to prevent prolonged waterlogging.

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.

In **Himachal Pradesh**, 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. Harvest mature fruits wherever field conditions permit.

In **Uttarakhand**, maintain effective drainage in rice, black gram, 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 and Haryana**, maintain effective drainage in rice, maize, cotton, soybean, pigeon pea and groundnut fields and fruit orchards to prevent waterlogging.

In **East Rajasthan**, maintain proper drainage to remove excess rainwater from low-lying soybean, maize, groundnut, cotton and pigeon pea fields to prevent prolonged waterlogging.

In **West Rajasthan**, make necessary arrangements for drainage from the fields of already sown pearl millet, green gram, sesame, moth bean, cluster bean, other standing crops and vegetables.

In **Arunachal Pradesh**, maintain effective drainage in rice, maize, soybean and finger millet fields, orchards and low-lying areas to prevent prolonged waterlogging. Harvest mature crops wherever field conditions permit.

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. Provide staking or support to banana, vegetables and other vulnerable crops against strong winds.

In **Meghalaya**, ensure proper drainage from rice nurseries and fields of maize, cowpea, okra and ginger to prevent prolonged waterlogging. Strengthen nursery bunds and keep drainage channels free from obstruction.

In **Nagaland, Manipur, Mizoram and Tripura**, ensure proper drainage from soybean, black gram, ginger, turmeric, cole crop and vegetable fields to prevent residual waterlogging.

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.

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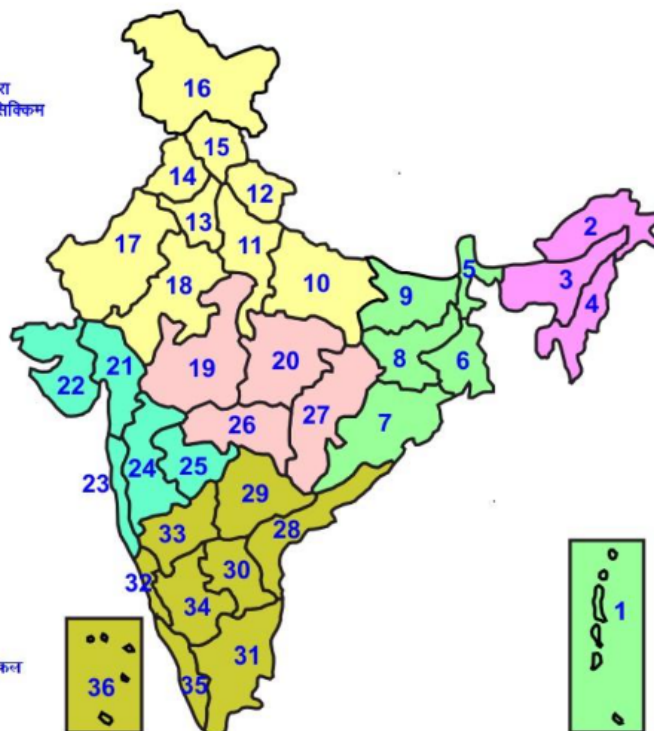
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LEGENDS

- 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 बंगाल
- 7 ओडिसा
- 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 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)

Subdivision Colour

- NO WARNING
- WATCH (BE UPDATED)
- 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

- Heavy Rain
- Thunderstorm & Lightning
- Strong surface winds
- Cold Wave
- Hot & Humid
- Very Heavy Rain
- Hailstorm
- Heat Wave
- Cold Day
- Extremely Heavy Rain
- Dust Storm
- Hot Day
- Ground Frost
- Heavy Snow
- Dust Raising Winds
- Warm Night
- FOG Fog

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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



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

(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 $\geq 37^{\circ}\text{C}$



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 $> 6.4^{\circ}\text{C}$.



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 $\leq 15^{\circ}\text{C}$



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 $\leq -6.5^{\circ}\text{C}$



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



Sudden electrical discharges manifested by a flash of light (Lightning) and a sharp rumbling sound (thunder)



An ensemble of particles of dust or sand energetically lifted to great heights by a strong and turbulent wind.



Ice deposits on ground

Air temperature $\leq 4^{\circ}\text{C}$ (over Plains)



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



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



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)

*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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