

2025-08-19

Time of Issue: 13:14:00 hours IST
(Mid-Day)

ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

Significant Weather Features

Weather Forecast and Warnings:

West India:

Extremely heavy rainfall very likely at isolated places over **north Konkan (including Mumbai), south Gujarat state and Madhya Maharashtra on 19th & 20th; Saurashtra & Kutch during 19th-21st August.**

Isolated to scattered **heavy to very heavy rainfall** likely over Madhya Maharashtra, Konkan (including Mumbai) & Goa during 19th-21st; Gujarat State during 19th-22nd August.

Isolated **heavy rainfall** likely over Konkan & Goa, Madhya Maharashtra, Gujarat State during 7 days, Marathwada on 19th August.

Strong surface winds (speed reaching 40-50 kmph) very likely over the region till 22nd August.

Light to moderate rainfall at most/many places very likely over the region during next 7 days.

South Peninsular India:

Extremely heavy rainfall very likely at isolated places over north Telangana on 19th August.

Isolated **heavy rainfall** likely over Coastal Karnataka, Telangana on 19th & 20th; Kerala & Mahe, Coastal Andhra Pradesh, Interior Karnataka on 19th August with isolated **very heavy rainfall over South Interior Karnataka and Coastal Karnataka on 19th August.**

Strong surface winds (speed reaching 40-50 kmph) very likely over South Peninsular India till 19th August.

Light to moderate rainfall at most/many places accompanied with thunderstorm & lightning likely over Rayalaseema, Tamil Nadu, Coastal Andhra Pradesh & Yanam and Telangana during next 5 days.

East & Central India:

Extremely heavy rainfall very likely at isolated places over Vidarbha on 19th August.

Isolated **heavy rainfall** likely over Madhya Pradesh, Chhattisgarh, Sub-Himalayan West Bengal & Sikkim during next 7 days; Vidarbha on 19th, 20th, 24th & 25th; Odisha on 19th, during 21st-23rd; Gangetic West Bengal, Jharkhand during 21st-25th; Bihar during 20th-25th August **with isolated very heavy rainfall over Chhattisgarh, East Madhya Pradesh on 19th; Jharkhand on 22nd; Bihar on 22nd & 23rd and Madhya Pradesh during 23rd-25th and Chhattisgarh during 24th-25th August.**

Light to moderate rainfall at most/many places accompanied with thunderstorm & lightning likely over the region during next 5 days.

Northwest India:

Isolated **heavy rainfall** likely over Jammu-Kashmir during 22nd-24th; Himachal Pradesh, Uttarakhand, East Rajasthan during next 7 days; Punjab, Haryana on 19th, during 22nd-25th; Uttar Pradesh during 22nd-25th August **with very heavy rainfall over Uttarakhand, West Uttar Pradesh during 23rd-25th; East Uttar Pradesh during 22nd-24th August.**

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Light/moderate rainfall at most/many places accompanied with thunderstorm & lightning likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Uttarakhand & Rajasthan during next 7 days.

Northeast India:

Isolated **heavy rainfall** likely to continue over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Arunachal Pradesh during 7 days with **very heavy rainfall over Arunachal Pradesh on 21st-23rd**; **Tripura, Mizoram during 21st-25th and Assam & Meghalaya during 21st-24th August.**

Light/moderate rainfall at many places accompanied with thunderstorm & lightning likely during next 3 days.

Main Weather Observations:

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

❖ **Significant rainfall recorded (in cm)** (from 0830 hours IST of yesterday to 0830 hours IST of today): **Saurashtra & Kutch**: Sutrapada (dist Gir Somnath) 29; Diu (dist Diu) 15; Kodinar (dist Gir Somnath) 13; Gir Gadhada (dist Gir Somnath) 12; Veraval (dist Gir Somnath), Mangrol(j) (dist Junagadh) 11 Each; Talala (dist Gir Somnath), Malia (dist Junagadh), Una (dist Gir Somnath) 7 Each; **Madhya Maharashtra**: Gaganbawada (dist Kolhapur) 26; Radhanagari (dist Kolhapur) 22; Mahabaleshwar (dist Satara) 17; Shahuwadi (dist Kolhapur) 16; Lonavala ARG (dist Pune) 15; Kolhapur/Karvir IMD (dist Kolhapur), Kagal (dist Kolhapur) 7 Each; Kokrud (dist Sangli), Patan (dist Satara), Gargoti/bhudargad (dist Kolhapur), Hatkanangale (dist Kolhapur), Gadhinglaj (dist Kolhapur) 6 Each; **Konkan & Goa**: Matheran (dist Raigad), Mhasla (dist Raigad) 25 Each; Santacruz (dist Mumbai Suburban), Tala (dist Raigad), Savarde-arg (dist Ratnagiri) 24 Each; Dapoli ARG (dist Ratnagiri), Vaibhavwadi (dist Sindhudurg) 23 Each; Mangaon (dist Raigad), Roha (dist Raigad), Vasai (dist Palghar) 22 Each; Tbia IMD Part Time (dist Thane), Panvel ARG (dist Raigad), Shriwardhan (dist Raigad), Lanja (dist Ratnagiri) 21 Each; Pen (dist Raigad) 19; Sudhagad Pali (dist Raigad), Rajapur (dist Ratnagiri) 18 Each; Thane (dist Thane), Mandangad (dist Ratnagiri), Karjat ARG (dist Raigad) 17 Each; Wada (dist Palghar), Mahad (dist Raigad), Poladpur (dist Raigad) 16 Each; Khed (dist Ratnagiri), Chiplun (dist Ratnagiri), Bhiwandi (dist Thane) 15 Each; Ratnagiri (dist Ratnagiri), Sanguem (dist South Goa), Uran (dist Raigad) 14 Each; Ambernath (dist Thane), Devgad (dist Sindhudurg), Khalapur (dist Raigad), Wakwali ARG (dist Ratnagiri), Sangameshwar Devrukh (dist Ratnagiri) 13 Each; Harnai IMD (dist Ratnagiri), Guhagarh (dist Ratnagiri), Palghar ARG (dist Palghar), Rameshwar ARG (dist Sindhudurg), Kankavli (dist Sindhudurg), Ulhasnagar (dist Thane), Quepem (dist South Goa) 12 Each; Murbad (dist Thane), Colaba (dist Mumbai City), Vikramgad (dist Palghar) 11 Each; Alibag - IMD Part Time (dist Raigad), Kudal (dist Sindhudurg), Mulde ARG (dist Sindhudurg), Canacona (dist South Goa), Margao (dist South Goa) 10 Each; Murud (dist Raigad), Sawantwadi (dist Sindhudurg) 9 Each; Awalegaon - ARG (dist Sindhudurg), Kalyan (dist Thane) 8 Each; Ponda (dist North Goa), Pernem (dist North Goa) 7 Each; Shahapur (dist Thane), Malvan (dist Sindhudurg), Talasari (dist Palghar), Jawhar (dist Palghar), Dodamarg (dist Sindhudurg), Dabolim N.a.s.- Navy (dist South Goa), Dahanu (dist Palghar) 6 Each; **Coastal Karnataka**: Castle Rock (dist Uttara Kannada) 22; Manki (dist Uttara Kannada) 19; Jagalbet (dist Uttara Kannada) 15; Siddapura (dist Udupi), Kota (dist Udupi) 9 Each; Kadra (dist Uttara Kannada), Kundapur (dist Udupi) 8 Each; Udupi (dist Udupi), Joida (dist Uttara Kannada), Gersoppa (dist Uttara Kannada), Haliyal (dist Uttara Kannada) 7 Each; Yellapur (dist Uttara Kannada), Shirali PTO (dist Uttara Kannada) 6 Each; **West Madhya Pradesh**: Bhimpur (dist Betul) 17; Punasa Dam (dist Khandwa) 8; Bhainsdehi (dist Betul), Piploda (dist Ratlam) 7 Each; Bagli (dist Dewas), Khirkiya-arg (dist Harda), Jaora (dist Ratlam), Sailana (dist Ratlam) 6 Each; **Telangana**: Eturnagaram (dist Mulugu) 17; Venkatapuram (dist Mulugu) 14; Wankdi (dist Kumaram Bheem) 12; Tadwai Mlg (dist Mulugu) 11; Mancherial (dist Mancherial) 10; Adilabad (dist Adilabad) 9; Bhiknur (dist Kamareddy), Kerameri (dist Kumaram Bheem) 8 Each; Perur (dist Mulugu) 7; Sarangapur (dist Jagtial), Utnur (dist Adilabad), Aswapuram (dist B. Kothagudem), Belampalle (dist Mancherial), Manuguru (dist B. Kothagudem), Bhupalpalle (dist J. Bhupalpally) 6 Each; **Punjab**: Gurdaspur AMFU (dist Gurdaspur) 16; **South Interior Karnataka**: Kottigehara (dist Chikkamagaluru), Agumbe AWS (dist Shivamogga) 16 Each; Jayapura (dist Chikkamagaluru) 9; Koppa (dist Chikkamagaluru) 8; Sringeri HMS (dist Chikkamagaluru) 7; Kammardi (dist Chikkamagaluru), Balehonnur (dist Chikkamagaluru), Kalasa (dist Chikkamagaluru) 6 Each; **Vidarbha**: Armori (dist Gadchiroli) 16; Bramhapuri (dist Chandrapur), Desaijanj (dist Gadchiroli) 15 Each; Bhamragad (dist Gadchiroli), Gadchiroli (dist Gadchiroli) 13 Each; Lakhandur (dist Bhandara), Bhiwapur (dist Nagpur) 11 Each; Saoli (dist Chandrapur), Nagbhir (dist Chandrapur) 10 Each; Nagpur Aerodrome (dist Nagpur) 9; Arjuni Morgaon (dist Gondia), Chamorshi (dist Gadchiroli), Saoner (dist Nagpur), Kalmeshwar (dist Nagpur), Mul (dist Chandrapur) 8 Each; Dhanora (dist Gadchiroli), Kurkheda (dist Gadchiroli), Pauni (dist Bhandara), Mulchera (dist Gadchiroli), Chimur (dist Chandrapur), Etapalli (dist Gadchiroli), Pombhurna (dist Chandrapur) 7 Each; Kamptee (dist Nagpur), Katol (dist Nagpur), Korpana (dist Chandrapur), Kharangha (dist Wardha), Hingna (dist Nagpur), Chandrapur (dist Chandrapur), Dharni (dist Amraoti), Sindewahi (dist Chandrapur), Joiti (dist Chandrapur), Warud (dist Amraoti) 6 Each; **Odisha**:

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Kotpad (dist Koraput) 15; Kashinagar (dist Gajapati) 10; Raigarh (dist Nawarangpur), Jhorigam (dist Nawarangpur), Paralakhemundi (dist Gajapati), Lamataput (dist Koraput), Papadahandi (dist Nawarangpur), Boden (dist Nawapara) 8 Each; Koraput (dist Koraput) 7; Pottangi (dist Koraput), Belgaon (dist Bolangir), Khandapara (dist Nayagarh), Kosagumda (dist Nawarangpur), Kalinga (dist Kandhamal) 6 Each; **Chhattisgarh**: Narayanpur (dist Narayanpur) 14; Aundhi (dist Mohala Manpur Chowki) 10; Darbha (dist Bastar), Bastanar (dist Bastar), Bhairamgarh (dist Bijapur) 8 Each; Jagdalpur (dist Bastar), Katekalyan (dist Dantewada), Nangur (dist Bastar) 7 Each; Usoor (dist Bijapur), Kohkameta (dist Narayanpur), Kutaru (dist Bijapur), Bade Bacheli (dist Dantewada) 6 Each; **East Madhya Pradesh**: Sausar (dist Chhindwara) 13; Kurai (dist Seoni) 11; Pandhurna (dist Chhindwara) 10; **Haryana-Chandigarh-Delhi**: Sahlawas (dist Jhajjar) 11; Madluda REV (dist Panipat) 7; **Assam & Meghalaya**: Shella (dist East Khasi Hills) 11; Silchar (dist Cachar) 9; A P Ghat (dist Cachar) 8; Cherrapunji (dist East Khasi Hills) 7; Cherrapunji(rkm) (dist East Khasi Hills) 6; **East Rajasthan**: Bhungra SR (dist Banswara) 11; Nainwa (dist Bundi) 7; Pipalkhunt SR (dist Pratapgarh) 6; **Gujarat Region**: Umergam (dist Valsad) 11; Deesa (dist Banaskantha) 8; Silvassa (dist Dadara & Nagar Haveli) 7; Navsari (dist Navsari), Daman (dist Daman), Khanvel (dist Dadara & Nagar Haveli) 6 Each; **West Uttar Pradesh**: Sardhana (dist Meerut) 10; Mavi Fmo (dist Shamli) 9; **North Interior Karnataka**: Londa (dist Belagavi) 9; Nippani (dist Belagavi) 8; Khanapur (dist Belagavi), Kittur (dist Belagavi) 6 Each; **Tamil Nadu, Puducherry & Karaikal**: Avalanche (dist Nilgiris) 9; Naduvattam (dist Nilgiris), Taluk Office Pandalur (dist Nilgiris) 8 Each; **Sub Himalayan West Bengal & Sikkim**: Beech Tea Garden (dist Alipurduar) 8; Kurti T.e. (dist Jalpaiguri) 7; Ghatia T.e. (dist Jalpaiguri), Jhallong (dist Kalimpong) 6 Each; **Coastal Andhra Pradesh & Yanam**: Pathapatnam (dist Srikakulam) 8; Tekkali (dist Srikakulam) 6; **Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad**: Raj Pura ARG (dist Poonch) 8; **Marathwada**: Georai (dist Beed), Kandhar (dist Nanded) 7 Each; Mahur (dist Nanded) 6; **Bihar**: Madanpur (dist Aurangabad) 7; **Himachal Pradesh**: Shimla AP (dist Shimla) 7; Amb (dist Una) 6.

❖ **Heavy Rainfall observed** (from 0830 hours IST of yesterday to 0830 hours IST of today): **Extremely heavy rain** at isolated places over Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra and Coastal Karnataka. **Heavy to very heavy rain** at a few places over Konkan & Goa and at isolated places over Odisha, Punjab, West Madhya Pradesh, East Madhya Pradesh, Saurashtra & Kutch, Madhya Maharashtra, Vidarbha, Chhattisgarh, Telangana, Coastal Karnataka and South Interior Karnataka. **Heavy rain** at isolated places over Assam & Meghalaya, Sub Himalayan West Bengal & Sikkim, Bihar, West Uttar Pradesh, Haryana-Chandigarh-Delhi, Himachal Pradesh, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad, East Rajasthan, Gujarat Region, Marathwada, Coastal Andhra Pradesh & Yanam, Tamil Nadu, Puducherry & Karaikal and North Interior Karnataka.

❖ **Minimum Temperature Departures (as on 19-08-2025): markedly above normal(> 5.1°C)** at few places over West Madhya Pradesh and East Madhya Pradesh; at isolated places over Assam & Meghalaya, West Uttar Pradesh, Himachal Pradesh and Saurashtra & Kutch. **appreciably above normal(3.1°C to 5.0°C)** at isolated places over Sub Himalayan West Bengal & Sikkim, Odisha, Bihar, East Uttar Pradesh and Gujarat Region. **above normal(1.6°C to 3.0°C)** at many places over Lakshadweep; at few places over Uttarakhand, Haryana-Chandigarh-Delhi, West Rajasthan and East Rajasthan; at isolated places over Andaman & Nicobar Islands, Gangetic West Bengal, Jharkhand, Madhya Maharashtra, Vidarbha, Chhattisgarh and Tamil Nadu, Puducherry & Karaikal. **near normal(-1.5°C to 1.5°C)** at many places over Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad, Konkan & Goa, Coastal Andhra Pradesh & Yanam and Telangana; at most places over Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Punjab, Marathwada, Rayalaseema, Coastal Karnataka, North Interior Karnataka, South Interior Karnataka and Kerala & Mahe. **The lowest minimum temperature** of 16.2°C is reported at GADAG (KARNATAKA) over the Plains of India.

❖ **Maximum Temperature Departures (as on 18-08-2025): markedly above normal(> 5.1°C)** at few places over Arunachal Pradesh; at isolated places over Assam & Meghalaya. **appreciably above normal(3.1°C to 5.0°C)** at many places over West Rajasthan; at few places over West Madhya Pradesh; at isolated places over Nagaland, Manipur, Mizoram & Tripura, Sub Himalayan West Bengal & Sikkim, Uttarakhand, East Rajasthan, East Madhya Pradesh, Gujarat Region, Saurashtra & Kutch, Vidarbha, Chhattisgarh and Tamil Nadu, Puducherry & Karaikal. **above normal(1.6°C to 3.0°C)** at many places over Bihar and East Uttar Pradesh; at few places over West Uttar Pradesh; at isolated places over Gangetic West Bengal and Odisha. **near normal(-1.5°C to 1.5°C)** at many places over Jharkhand, Haryana-Chandigarh-Delhi, Punjab and Kerala & Mahe; at most places over Himachal Pradesh and Lakshadweep; at few places over Andaman & Nicobar Islands and Coastal Karnataka; at isolated places over Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad and Madhya Maharashtra. **The highest maximum temperature** of 40.1°C is reported at BIKANER (RAJASTHAN).

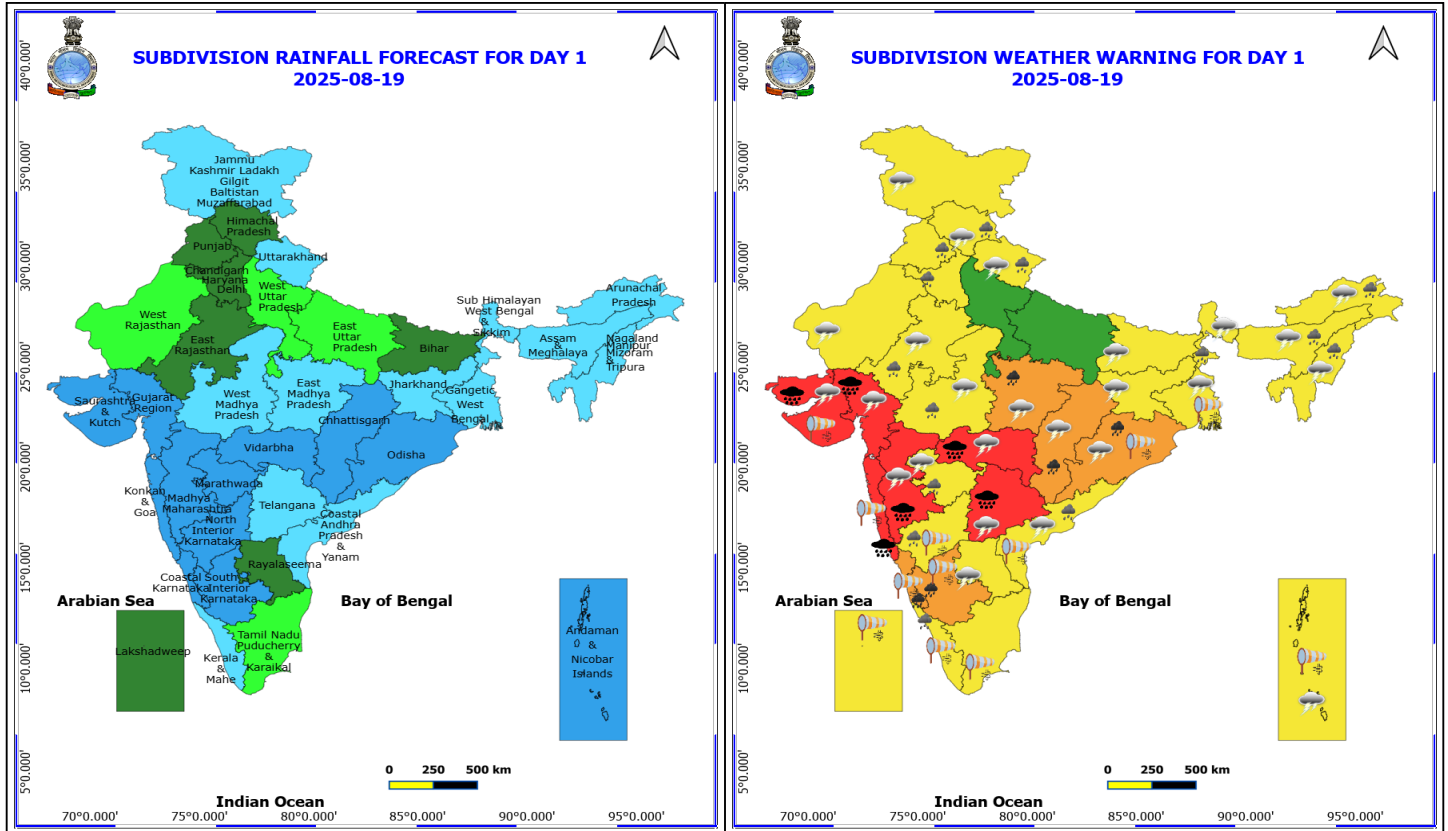


Meteorological Analysis (Based on 0830 hours IST)

- The **Depression** over south coastal Odisha moved west-northwestwards with a speed of 11 kmph during past 6 hours and lay centered at 0830 hrs IST of today, the 19th August over south interior Odisha, near latitude 19.8°N and longitude 84.0°E, about 50 km north-northwest of Daringabadi (Odisha), 90 km east of Bhawanipatna (Odisha) and 90 km southeast of Titlagarh (Odisha). It is likely to continue to move west-northwestwards across south Odisha and south Chhattisgarh and weaken into a **well marked low pressure area** during next 12 hours.
- The **monsoon trough** now passes through Diu, Surat, Nandurbar, Amravati, center of **Depression** over south interior Odisha & thence east southeastward to east Central Bay of Bengal extending upto 1.5 km above mean sea level.
- The **upper air cyclonic circulation** over northeast Arabian Sea & adjoining Gujarat persists and seen between 5.8 & 7.6 km above mean sea level.
- The **shear zone** roughly along Lat. 20°N over the Indian region persists and seen between 3.1 & 4.5 km above mean sea level.
- The **off shore trough** at mean sea level now runs from south Gujarat to north Kerala coasts.
- The **Western Disturbance** as a trough in middle tropospheric westerlies with its axis at 5.8 km above mean sea level now runs roughly along Long. 71°E to the north of Lat. 30°N.

Weather Outlook for subsequent 3 days

- Scattered to Fairly widespread rainfall likely over western India, western peninsular India.
- Isolated to Scattered rainfall likely over the rest parts of the country.



19 August (Day 1)

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

Squally wind with speed reaching 45 kmph to 55 kmph gusting to 65 kmph is likely to prevail along and off Somalia, Oman coasts, most parts of westcentral Arabian sea and adjoining areas of southwest, eastcentral Arabian Sea.

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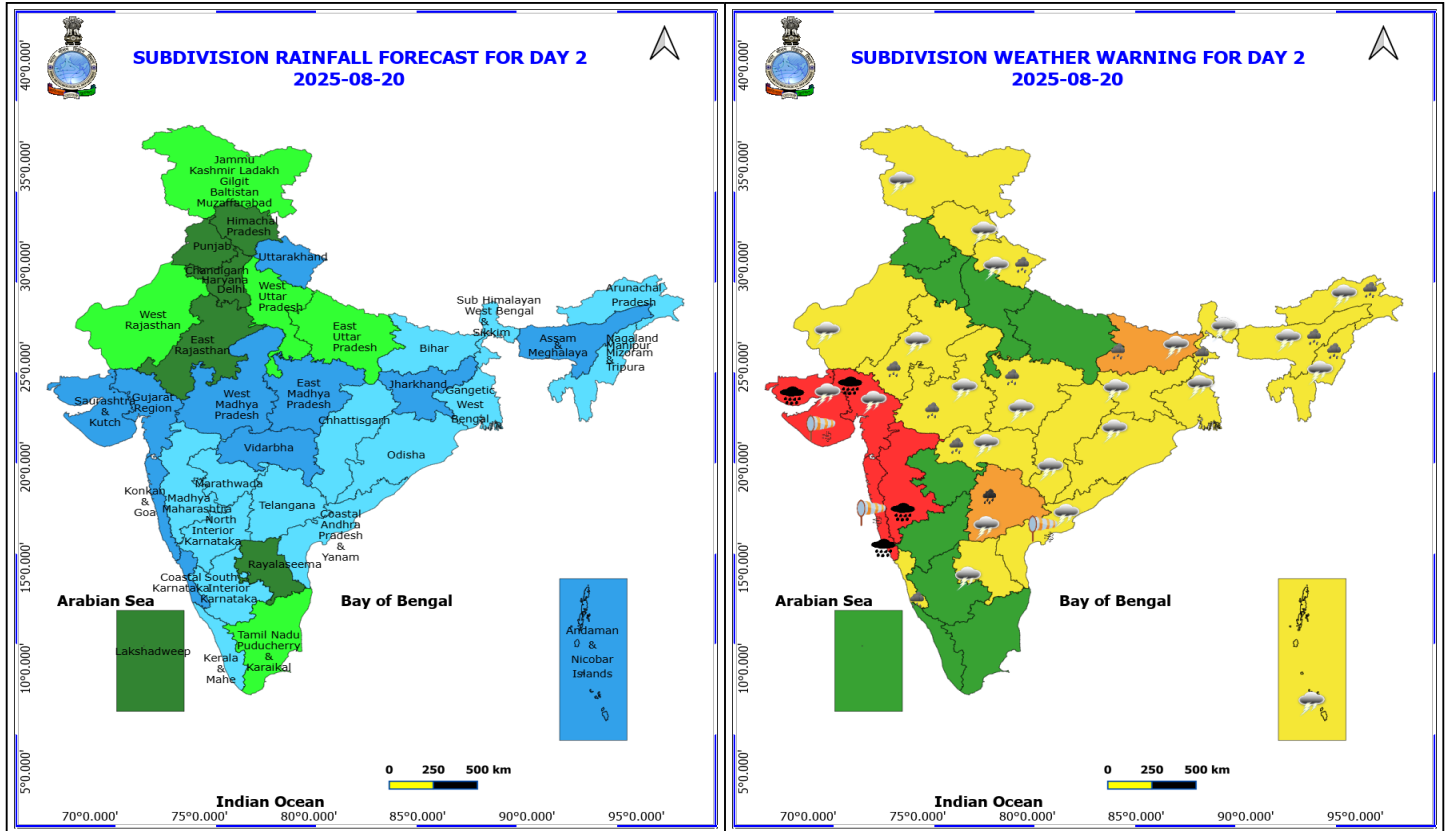
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Squally weather with wind speed reaching 40 - 50 kmph gusting to 60 kmph likely to prevail along and off north Gujarat, Karnataka & Kerala coasts, over Lakshadweep & Comorin areas, Gulf of Mannar, along and off Sri-Lanka coast, over most parts of Bay of Bengal, along and off Tamil Nadu, Andhra Pradesh & Odisha, West Bengal, adjoining Bangladesh coasts, over Andaman Sea.

Squally weather with wind speed reaching 45 - 55 kmph gusting to 65 kmph likely to prevail over along & off south Gujarat coast, Konkan, Goa coasts and adjoining sea areas, most parts of eastcentral, & few parts of northeast Arabian Sea.

Squally wind with speed reaching 50 - 60 kmph gusting to 70 kmph likely to prevail along and off north Konkan, south Gujarat coast and adjoining sea areas.



20 August (Day 2)

- ❖ **Heavy to Very Heavy Rainfall with isolated Extremely Heavy Rainfall** very likely at isolated places over Gujarat State, Konkan & Goa and Madhya Maharashtra.
- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Telangana.
- ❖ **Heavy Rainfall** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Bihar, Coastal Karnataka, East Rajasthan, Madhya Pradesh, Nagaland, Manipur, Mizoram and Tripura, Sub Himalayan West Bengal & Sikkim, Uttarakhand and Vidarbha.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Andaman & Nicobar Islands, Bihar, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Jharkhand, Odisha and West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Andhra Pradesh, Arunachal Pradesh, Assam & Meghalaya, Chhattisgarh, Gujarat State, Himachal Pradesh, Madhya Pradesh, Nagaland, Manipur, Mizoram and Tripura, Rajasthan, Telangana, Uttarakhand and Vidarbha.
- ❖ **Strong Surface Winds** very likely at isolated places over Coastal Andhra Pradesh, Konkan & Goa and Saurashtra & Kutch.

Squally wind with speed reaching 45 kmph to 55 kmph gusting to 65 kmph is likely to prevail along and off Somalia, Oman coasts, most parts of westcentral Arabian sea, adjoining & some parts of southwest, eastcentral Arabian Sea.

Squally weather with wind speed reaching 40 - 50 kmph gusting to 60 kmph likely to prevail along and off north Gujarat, Karnataka coasts, over most parts westcentral & adjoining eastcentral Bay of Bengal, northwest and adjoining northeast Bay of Bengal, many parts of south Bay of Bengal, north Andhra Pradesh & Odisha, West Bengal

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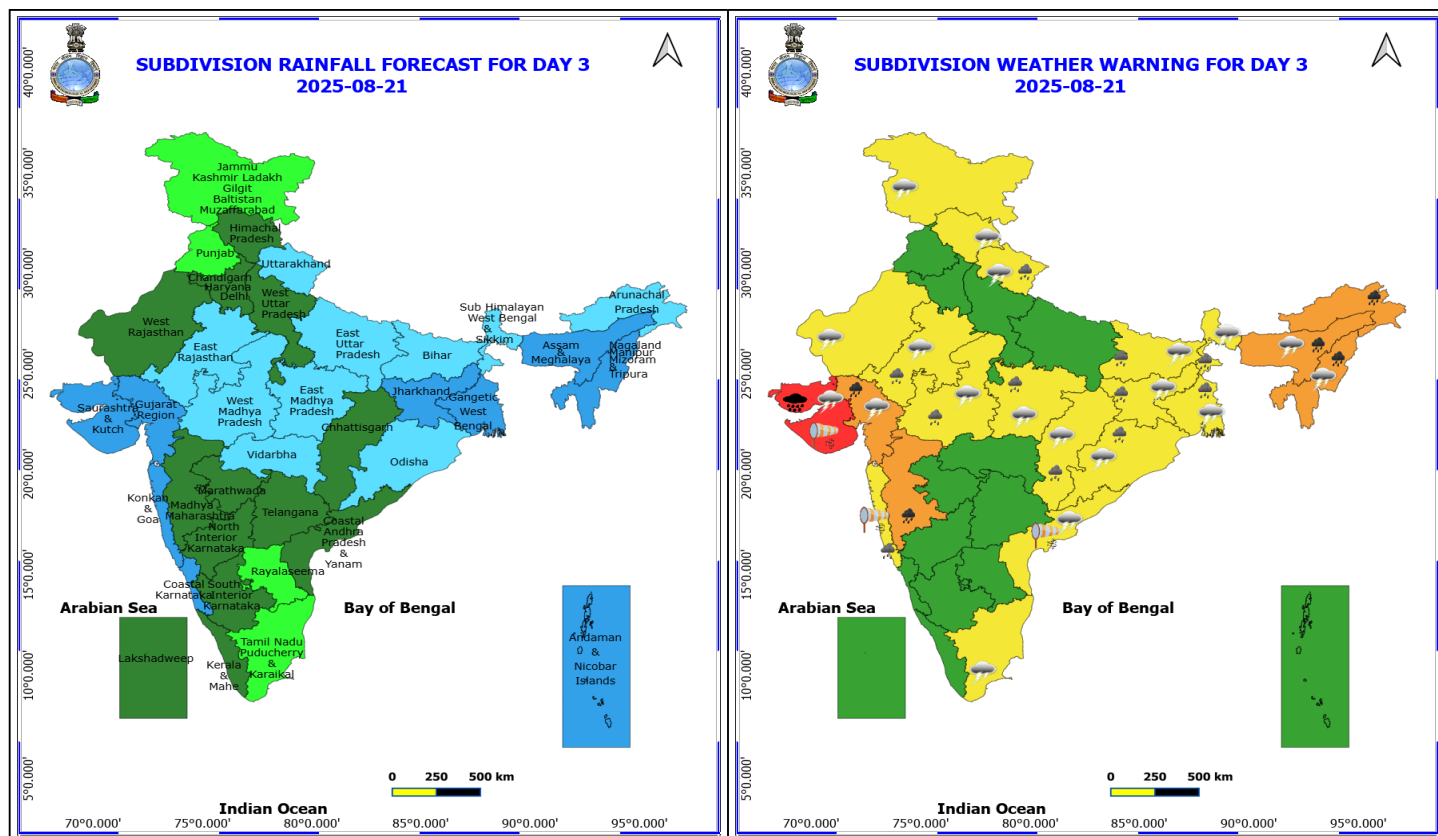
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coasts, over Gulf of Mannar.

Squally weather with wind speed reaching 45 - 55 kmph gusting to 65 kmph likely to prevail over along & off south Gujarat coast, Konkan & Goa coasts and adjoining sea areas, most parts of eastcentral Arabian Sea, off north Konkan coast.

Squally wind with speed reaching 50 - 60 kmph gusting to 70 kmph likely to prevail over some parts of eastcentral Arabian sea and off north Konkan coast.



21 August (Day 3)

- ❖ **Heavy to Very Heavy Rainfall with isolated Extremely Heavy Rainfall** very likely at isolated places over Saurashtra & Kutch.
- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Gujarat Region, Madhya Maharashtra and Nagaland, Manipur, Mizoram and Tripura.
- ❖ **Heavy Rainfall** very likely at isolated places over Bihar, Chhattisgarh, East Rajasthan, Jharkhand, Konkan & Goa, Madhya Pradesh, Odisha, Uttarakhand and West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Bihar, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Jharkhand, Odisha and West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Assam & Meghalaya, Chhattisgarh, Coastal Andhra Pradesh, Gujarat State, Himachal Pradesh, Madhya Pradesh, Nagaland, Manipur, Mizoram and Tripura, Rajasthan, Tamil Nadu Puducherry & Karaikal and Uttarakhand.
- ❖ **Strong Surface Winds** very likely at isolated places over Coastal Andhra Pradesh, Konkan & Goa and Saurashtra & Kutch.

Squally wind with speed reaching 45 kmph to 55 kmph gusting to 65 kmph is likely to prevail along and off Somalia, Oman coasts, most parts of westcentral Arabian sea, adjoining & some parts of southwest, eastcentral Arabian Sea.

Squally weather with wind speed reaching 40 - 50 kmph gusting to 60 kmph likely to prevail over Lakshadweep area, some parts of south Arabian Sea, most parts central & south Bay of Bengal, some parts of northwest Bay of Bengal, Gulf of Mannar.

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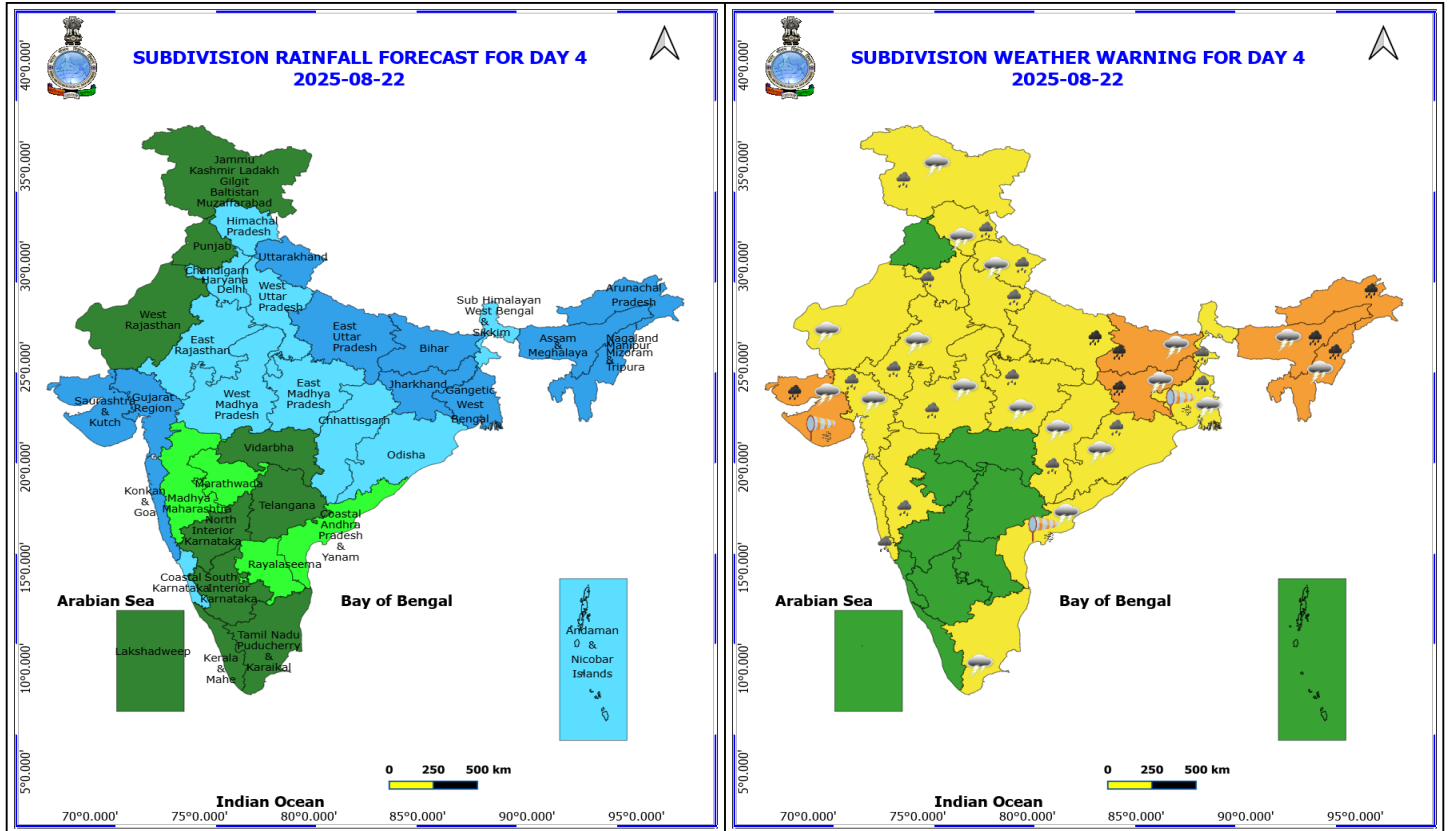
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Squally weather with wind speed reaching 45 - 55 kmph gusting to 65 kmph likely to prevail over along & off Gujarat Konkan & Goa coasts and adjoining sea areas, most parts of eastcentral, & northeast Arabian Sea.

Squally wind with speed reaching 50 - 60 kmph gusting to 70 kmph likely to prevail over some parts of eastcentral & adjoining northeast Arabian sea, and off north Konkan coast.



22 August (Day 4)

- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Bihar, East Uttar Pradesh, Jharkhand, Nagaland, Manipur, Mizoram and Tripura and Saurashtra & Kutch.
- ❖ **Heavy Rainfall** likely at isolated places over Chhattisgarh, East Rajasthan, Gujarat Region, Haryana, Chandigarh & Delhi, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Konkan & Goa, Madhya Maharashtra, Madhya Pradesh, Odisha, Uttarakhand, West Bengal & Sikkim and West Uttar Pradesh.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Bihar, Gangetic West Bengal, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Jharkhand and Odisha.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Assam & Meghalaya, Chhattisgarh, Coastal Andhra Pradesh, Gujarat State, Himachal Pradesh, Madhya Pradesh, Nagaland, Manipur, Mizoram and Tripura, Rajasthan, Tamil Nadu Puducherry & Karaikal and Uttarakhand.
- ❖ **Strong Surface Winds** likely at isolated places over Coastal Andhra Pradesh, Gangetic West Bengal and Saurashtra & Kutch.

Squally wind with speed reaching 45 kmph to 55 kmph gusting to 65 kmph is likely to prevail along and off Somalia, Oman coasts, most parts of westcentral Arabian sea, adjoining & some parts of southwest, eastcentral Arabian Sea.

Squally weather with wind speed reaching 40 - 50 kmph gusting to 60 kmph likely to prevail along and off south Konkan, Goa coasts, some parts of southeast Arabian Sea, Lakshadweep area, over many parts of central & north Bay of Bengal, along and off West Bengal, adjoining Bangladesh coast.

Squally weather with wind speed reaching 45 - 55 kmph gusting to 65 kmph likely to prevail over Gujarat, north Konkan coasts and adjoining sea areas, most parts of eastcentral, northeast Arabian Sea.

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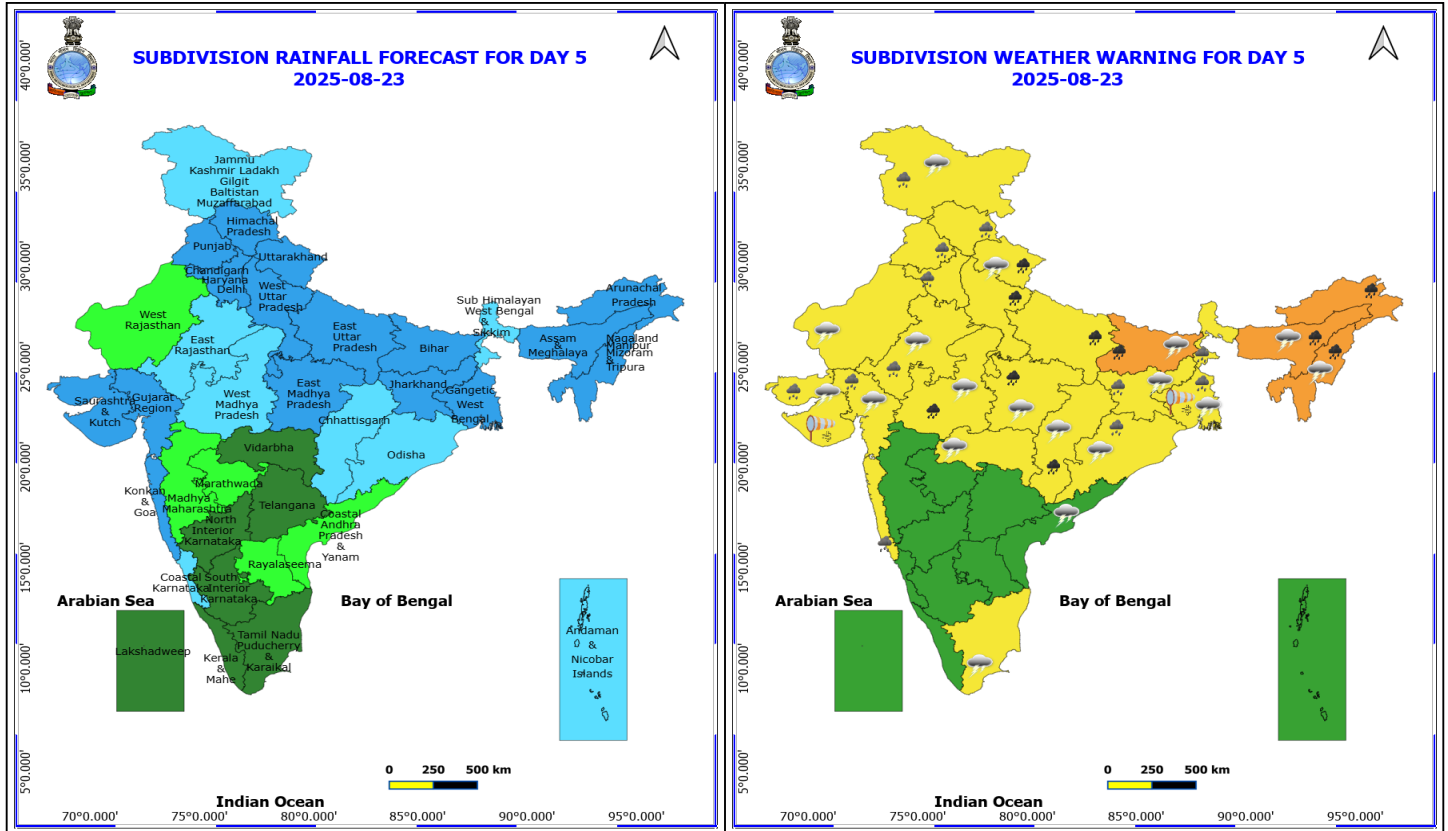
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Squally weather with wind speed reaching 50 - 60 kmph gusting to 70 kmph likely to prevail over few parts eastcentral & northeast Arabian sea.



23 August (Day 5)

- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Bihar, Chhattisgarh, Madhya Pradesh, Nagaland, Manipur, Mizoram and Tripura, Uttar Pradesh and Uttarakhand.
- ❖ **Heavy Rainfall** likely at isolated places over East Rajasthan, Gujarat State, Haryana, Chandigarh & Delhi, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Jharkhand, Konkan & Goa, Odisha, Punjab and West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Bihar, Gangetic West Bengal, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Jharkhand and Odisha.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Assam & Meghalaya, Chhattisgarh, Coastal Andhra Pradesh, Gujarat State, Madhya Pradesh, Nagaland, Manipur, Mizoram and Tripura, Rajasthan, Tamil Nadu Puducherry & Karaikal, Uttarakhand and Vidarbha.
- ❖ **Strong Surface Winds** likely at isolated places over Gangetic West Bengal and Saurashtra & Kutch.

Squally wind with speed reaching 45 kmph to 55 kmph gusting to 65 kmph is likely to prevail along and off Somalia, Oman coasts, many parts of northwest Arabian Sea, most parts of westcentral Arabian sea, adjoining & some parts of southwest, eastcentral Arabian Sea.

Squally weather with wind speed reaching 40 - 50 kmph gusting to 60 kmph likely to prevail along and off south Konkan, Goa coasts, over many parts of central & north Bay of Bengal, along and off West Bengal, adjoining Bangladesh coast.

Squally weather with wind speed reaching 45 - 55 kmph gusting to 65 kmph likely to prevail over Gujarat, north Konkan coasts and adjoining sea areas, most parts of eastcentral, northeast Arabian Sea, over some parts of north

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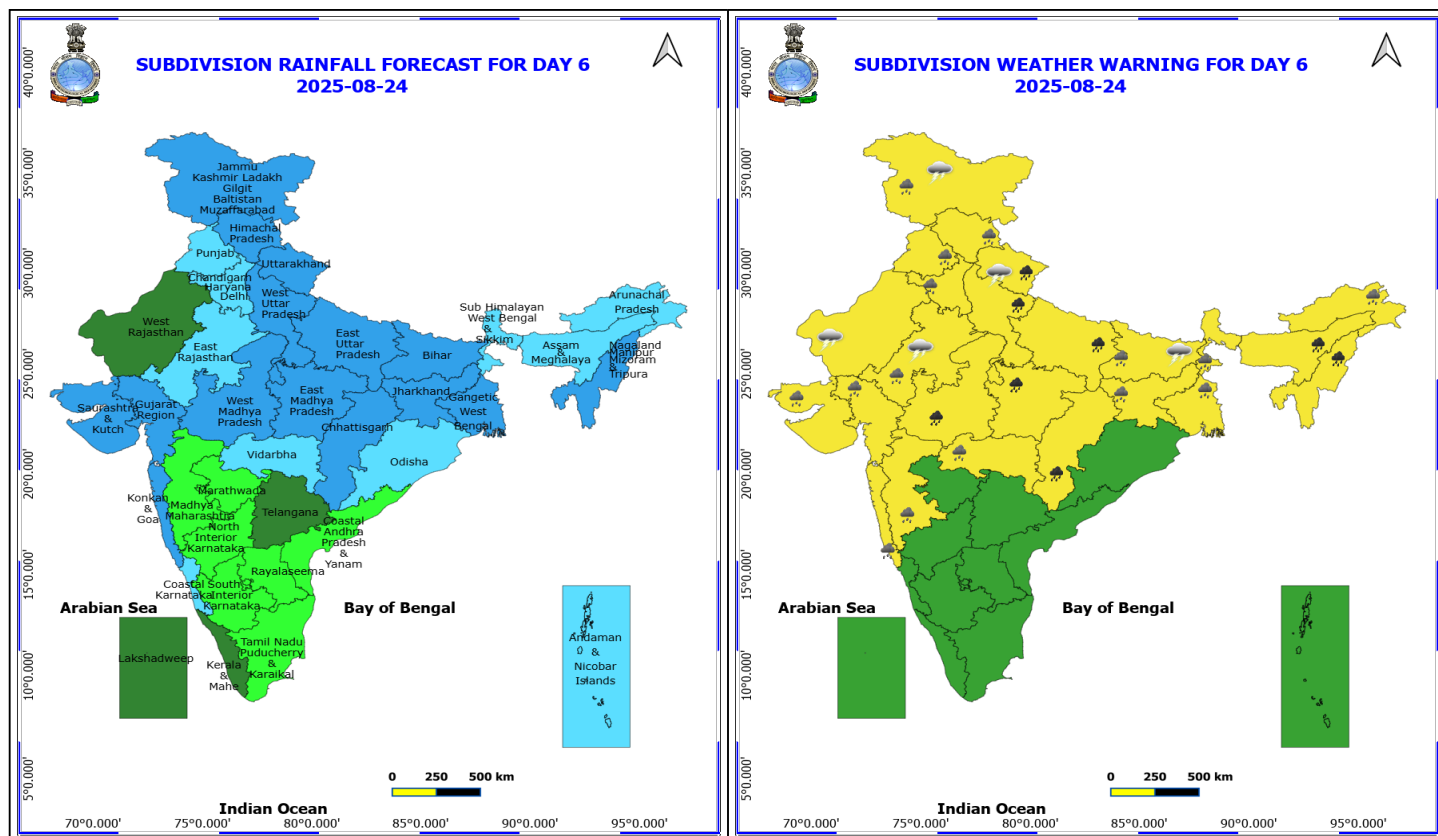
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Bay of Bengal.



24 August (Day 6)

- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Assam & Meghalaya, Chhattisgarh, Madhya Pradesh, Nagaland, Manipur, Mizoram and Tripura, Uttar Pradesh and Uttarakhand.
- ❖ **Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Bihar, East Rajasthan, Gujarat State, Haryana, Chandigarh & Delhi, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Jharkhand, Konkan & Goa, Madhya Maharashtra, Punjab, Vidarbha and West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Bihar and Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Rajasthan and Uttarakhand.

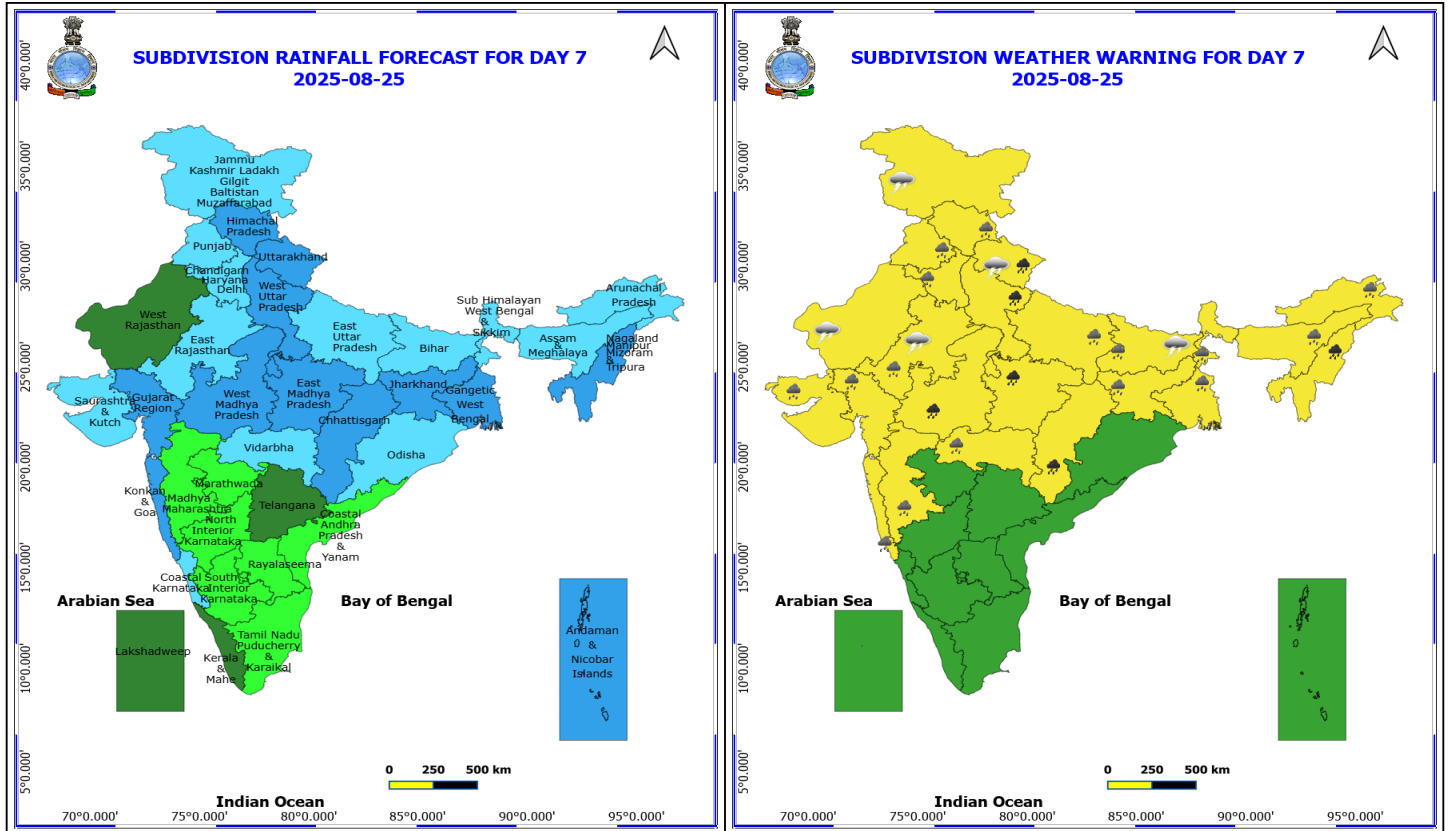
No Fishermen Warning

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25 August (Day 7)

- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Chhattisgarh, Madhya Pradesh, Nagaland, Manipur, Mizoram and Tripura, Uttarakhand and West Uttar Pradesh.
- ❖ **Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Bihar, East Rajasthan, East Uttar Pradesh, Gujarat State, Haryana, Chandigarh & Delhi, Himachal Pradesh, Jharkhand, Konkan & Goa, Madhya Maharashtra, Punjab, Vidarbha and West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Bihar and Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Rajasthan and Uttarakhand.

No Fishermen Warning

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Flash Flood Warnings

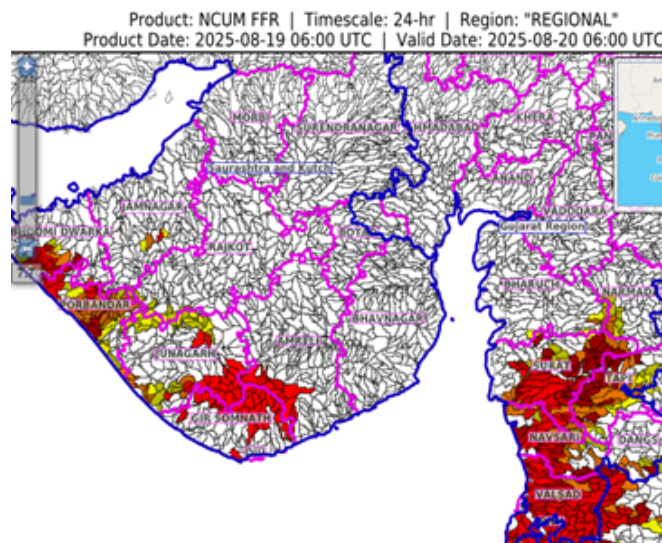
24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 20-08-2025 :

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

Gujarat Region - Dadar & Nagar Haveli, Daman, Bharuch, Dangs, Narmada, Surat, Tapi and Valsad districts.

Saurashtra & Kutch - Amreli, Devbhoomi Dwarka, Diu, Gir Somnath, Jamnagar, Junagarh, Porbandar and Rajkot 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.



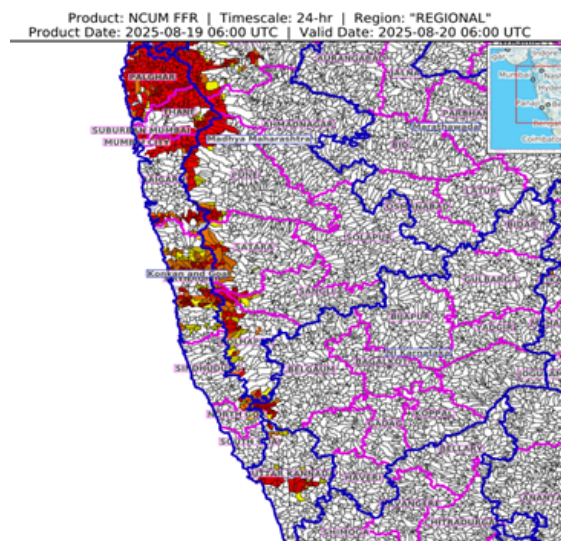
24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 20-08-2025 :

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

Coastal Karnataka - Uttar Kannada district.

Konkan & Goa - North Goa, South Goa, Mumbai City, Palghar, Raigarh, Ratnagiri, Sindhudurg, Suburban Mumbai and Thane 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	19-Aug	20-Aug	21-Aug	22-Aug	23-Aug	24-Aug	25-Aug
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	WS	WS	WS	FWS	FWS	FWS	WS
2	ARUNACHAL PRADESH	FWS	FWS	FWS	WS	WS	FWS	FWS
3	ASSAM & MEHGHALAYA	FWS	WS	WS	WS	WS	FWS	FWS
4	N. M. M. & T.	FWS	FWS	WS	WS	WS	WS	WS
5	S.H. WEST BENGAL & SIKKIM	FWS	FWS	FWS	FWS	FWS	FWS	FWS
6	GANGETIC WEST BENGAL	FWS	FWS	WS	WS	WS	WS	WS
7	ODISHA	WS	FWS	FWS	FWS	FWS	FWS	FWS
8	JHARKHAND	FWS	WS	WS	WS	WS	WS	WS
9	BIHAR	SCT	FWS	FWS	WS	WS	WS	FWS
10	EAST UTTAR PRADESH	ISOL	ISOL	FWS	WS	WS	WS	FWS
11	WEST UTTAR PRADESH	ISOL	ISOL	SCT	FWS	WS	WS	WS
12	UTTARAKHAND	FWS	WS	FWS	WS	WS	WS	WS
13	HARYANA, CHD & DELHI	SCT	SCT	SCT	FWS	WS	FWS	FWS
14	PUNJAB	SCT	SCT	ISOL	SCT	WS	FWS	FWS
15	HIMACHAL PRADESH	SCT	SCT	SCT	FWS	WS	WS	WS
16	JAMMU AND KASHMIR AND LADAKH	FWS	ISOL	ISOL	SCT	FWS	WS	FWS
17	WEST RAJASTHAN	ISOL	ISOL	SCT	SCT	ISOL	SCT	SCT
18	EAST RAJASTHAN	SCT	SCT	FWS	FWS	FWS	FWS	FWS
19	WEST MADHYA PRADESH	FWS	WS	FWS	FWS	FWS	WS	WS
20	EAST MADHYA PRADESH	FWS	WS	FWS	FWS	WS	WS	WS
21	GUJRAT REGION	WS	WS	WS	WS	WS	WS	WS
22	SAURASHTRA & KUTCH	WS	WS	WS	WS	WS	WS	FWS
23	KONKAN & GOA	WS	WS	WS	WS	WS	WS	WS
24	MADHYA MAHARASHTRA	WS	FWS	SCT	ISOL	ISOL	ISOL	ISOL
25	MARATHWADA	WS	FWS	SCT	ISOL	ISOL	ISOL	ISOL
26	VIDARBHA	WS	WS	FWS	SCT	SCT	FWS	FWS
27	CHATTISGARH	WS	FWS	SCT	FWS	FWS	WS	WS
28	COASTAL ANDHRA PRADESH	FWS	FWS	SCT	ISOL	ISOL	ISOL	ISOL
29	TELANGANA	FWS	FWS	SCT	SCT	SCT	SCT	SCT
30	RAYALASEEMA	SCT	SCT	ISOL	ISOL	ISOL	ISOL	ISOL
31	TAMILNADU & PUDUCHERRY	ISOL	ISOL	ISOL	SCT	SCT	ISOL	ISOL
32	COSTAL KARNATAKA	WS	WS	WS	FWS	FWS	FWS	FWS
33	NORTH INTERIOR KARNATAKA	WS	FWS	SCT	SCT	SCT	ISOL	ISOL
34	SOUTH INTERIOR KARNATAKA	WS	FWS	SCT	SCT	SCT	ISOL	ISOL
35	KERALA	FWS	FWS	SCT	SCT	SCT	SCT	SCT
36	LAKSHDWEEP	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 2025-08-19

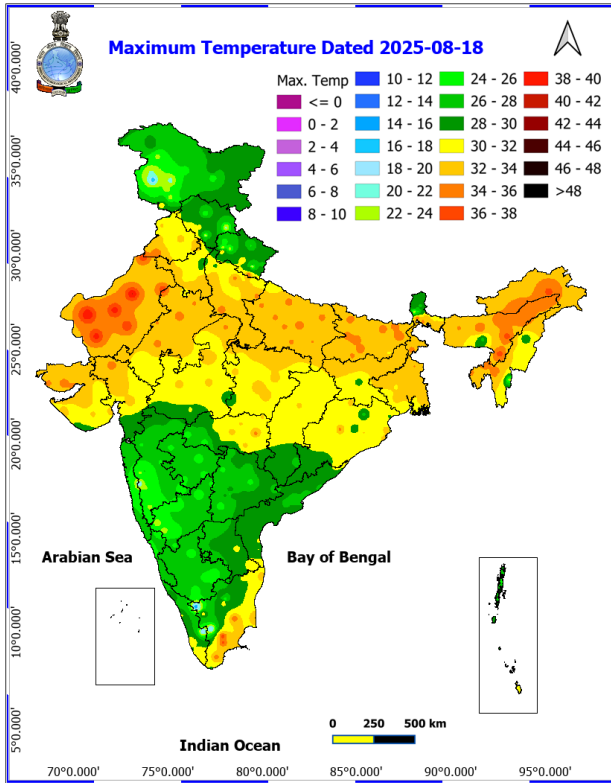


Fig. 2: Departure of Maximum Temp. Dated 2025-08-19

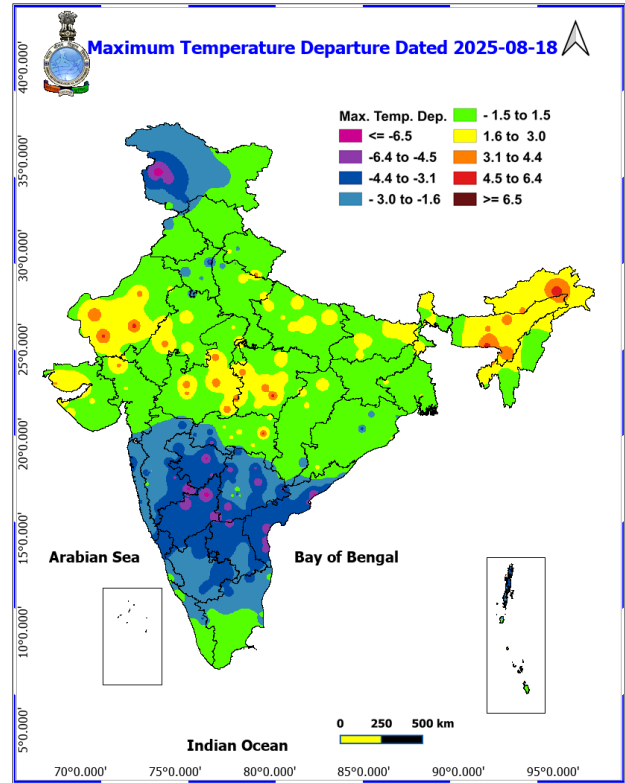


Fig. 3: Minimum Temperatures Dated 2025-08-19

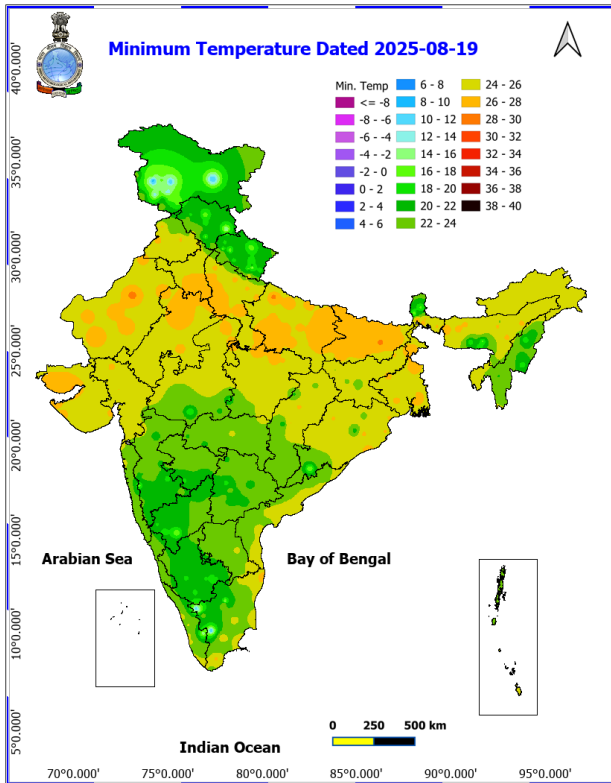
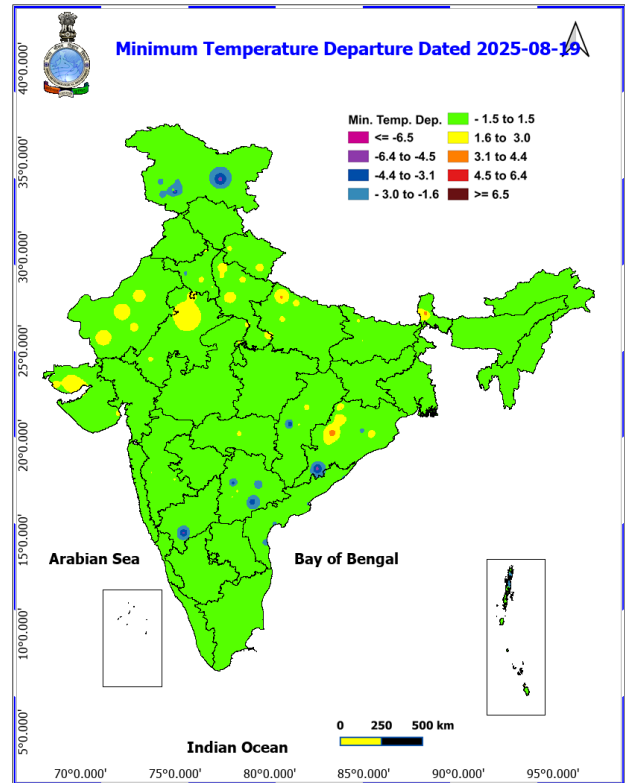
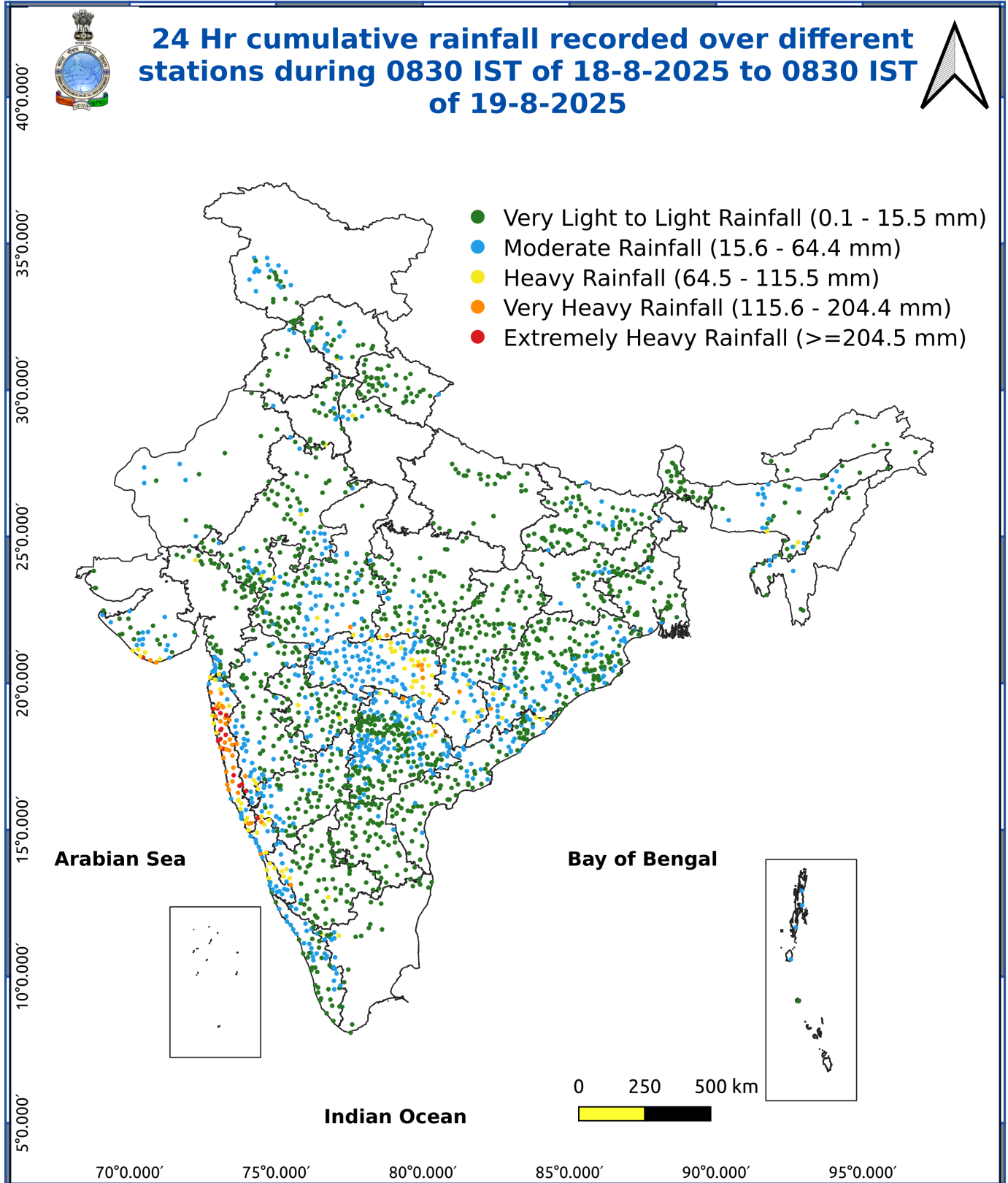


Fig. 4: Departure of Minimum Temp. Dated 2025-08-19





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- **Extremely heavy rainfall** very likely at isolated places over Konkan & Goa, Vidarbha, north Telangana on 19th; north Konkan on 20th; Gujarat State, Ghat areas of Madhya Maharashtra on 19th & 20th August.
- Isolated to scattered **heavy to very heavy rainfall** likely over Madhya Maharashtra, Konkan (including Mumbai) & Goa during 19th-21st; Gujarat State during 19th-22nd August; South Interior Karnataka and Coastal Karnataka, Chhattisgarh, East Madhya Pradesh on 19th; Jharkhand on 22nd; Bihar on 22nd & 23rd and Madhya Pradesh, Chhattisgarh, Uttarakhand, West Uttar Pradesh during 23rd-25th; East Uttar Pradesh during 22nd-24th; Arunachal Pradesh on 21st-23rd; Tripura, Mizoram during 21st-25th and Assam & Meghalaya during 21st-24th August.

Impact Expected

Localized Flooding of roads, water logging in low lying areas and closure of underpasses mainly in urban areas of the above region.

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 / Heavy to Very Heavy / Extremely Heavy Rainfall

(Based on the IBF and advisories issued by different AMFUs)

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In **Maharashtra**, make arrangements to drain out excess water from rice fields maintaining 2.5 to 5 cm water level in **Konkan** and **ghat areas** of **Madhya Maharashtra**. In **Marathwada**, keep the harvested green gram produce in safer places. To prevent waterlogging, make provision for draining out excess water from fields of finger millet, turmeric, groundnut, vegetables and fruit orchards in **Konkan**; maize, groundnut, soybean, vegetables and fruit orchards in **ghat areas** of **Madhya Maharashtra**; groundnut, black gram, green gram, soybean, cotton, pigeon pea, pearl millet, turmeric, sugarcane, vegetables and fruit orchards in **Marathwada**; soybean and cotton in **West Vidarbha** and rice, soybean, cotton, pigeon pea, vegetables and fruit orchards in **East Vidarbha**.

In **Gujarat**, make arrangements to drain out excess water from fields of rice, sugarcane, vegetables and tuber crops in **South Gujarat Heavy Rainfall Zone**; rice, cotton, sugarcane and pigeon pea in **South Gujarat Zone**; groundnut, cotton, soybean, black gram, green gram, sesame and pigeon pea in **South Saurashtra Zone**; groundnut, cotton and sesame in **North Saurashtra Zone** and rice, cotton, green gram, black gram, pigeon pea, pearl millet and vegetables in **Bhal and Coastal Zone**.

In **Madhya Pradesh**, provide adequate drainage in fields of maize, soybean, cotton and vegetables in **Satpura Plateau Zone**; soybean, maize and vegetables in **Malwa Plateau Zone**; rice, soybean, maize, sugarcane and vegetables in **Central Narmada Valley Zone**; soybean, pigeon pea, cotton and vegetables in **Nimar Valley Zone** and maize, soybean, black gram, cotton, and pigeon pea in **Vindhyan Plateau Zone**.

In **Chhattisgarh**, drain out excess water from fields of *kharif* maize, rice, minor millets, pulses and vegetables in **Bastar Plateau Zone**.

In **Kerala**, provide adequate drainage in rice, coconut, banana and ginger fields. Provide support to banana plantations. Make the vegetable pandals stronger.

In **Karnataka**, provide adequate drainage facilities in rice and ginger fields, and plantations of arecanut, coconut and banana in **Coastal Zone**; fields of rice, maize, cotton, ginger and plantations of arecanut in **Hill Zone** and fields of rice, maize and plantations of arecanut and coconut in **Southern Transition Zone**.

In **Telangana**, drain out excess water from fields of rice, cotton, maize, soybean, pigeon pea, turmeric and vegetables in **Northern Telangana Zone** and rice, cotton, soybean, vegetables and vegetable nurseries in **Southern Telangana Zone**.

In **Andhra Pradesh**, make arrangements to drain out excess water from fields of maize, cotton, sugarcane, rice, mesta, red gram, green gram, black gram and groundnut in **North Coastal Zone** and rice, maize and vegetable fields in **High Altitude Tribal Zone**.

In **Odisha**, make arrangements to drain out excess water from the fields of rice, maize, green gram, black gram, ginger, turmeric, vegetables and orchards in **Eastern Ghat High Land Zone** and **South Eastern Ghats**.

In **Himachal Pradesh**, maintain proper drainage channels in ginger, turmeric and maize fields in **Mid Hills Sub Humid Zone** and rice, maize and vegetable fields in **Sub Montane and Low Hills Sub Tropical Zone**. In **High Hills Sub Temperate Wet Zone**, harvest ripened tomatoes and ensure proper drainage in maize, kidney bean, vegetables and orchards.

In **Uttarakhand**, maintain proper drainage channels in fields of soybean, maize, pulses, finger millet, ginger, vegetable fields and fruit orchards in **Hill Zone**; barnyard millet, finger millet and already sown green gram in **Sub Humid Sub Tropic Zone**. Ensure proper drainage in rice, maize, soybean, green gram, and vegetables in Nainital district.

In **Punjab**, In **Undulating Plain Zone**, maintain proper drainage in chilli fields and remove stagnant rainwater immediately after rainfall. In **Sub-Montane Undulating Zone**, ensure proper drainage in sugarcane maize, soybean and green gram.

In **Haryana** - In **Eastern Zone**, postpone irrigation in cotton and pearl millet crop fields and make drainage system to drain out excess water.

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Livestock / Fishery

Keep the animals inside the shed during heavy rainfall and provide them balanced feed.

Store feed and fodder in a safe place to prevent spoilage.

Construct an outlet with proper netting around the ponds to drain out excess water, thereby preventing fish from escaping in case of overflow.

Agromet advisories for likely impact of Thunderstorm / Gusty Winds / Squally Winds

(Based on the IBF and advisories issued by different AMFUs)

Provide mechanical support to horticultural crops and staking or support to vegetables and young fruit plants / fruit-bearing plants to avoid lodging due to strong winds.

LEGENDS

- 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

*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

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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 at least 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)

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