

2025-08-16

Time of Issue: 13:45:00 hours IST
(Mid-Day)

ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

Significant Weather Features

West India:

- ♦ **Extremely heavy rainfall** very likely at isolated places over Konkan & Goa; Ghat areas of Madhya Maharashtra during 16th-19th; Gujarat Region on 16th, during 18th-20th; Saurashtra on 19th & 20th August.
- ♦ Isolated to scattered **heavy to very heavy rainfall** likely over Madhya Maharashtra, Konkan (including Mumbai) & Goa, Gujarat State during next 7 days; Marathwada during 16th-19th August.
- ♦ Strong surface winds (speed reaching 40-50 kmph) very likely over the region till 20th 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 Telangana on 16th & 17th; Coastal Karnataka on 18th & 19th; South Interior Karnataka on 18th August.
- ♦ Isolated **heavy rainfall** likely over Coastal Karnataka & Telangana during the next 7 days; Tamil Nadu on 16th & 17th; Interior Karnataka during 16th-19th; Rayalaseema on 16th; Kerala & Mahe during 16th-20th August with isolated **very heavy rainfall over Tamil Nadu on 16th; Telangana on 18th & 19th; Coastal Andhra Pradesh & Yanam, Kerala during 16th-19th; Coastal & South Interior Karnataka on 16th & 17th 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 south Vidarbha on 16th and West Madhya Pradesh on 18th August.
- ♦ Isolated **heavy rainfall** likely over Madhya Pradesh & Chhattisgarh during next 7 days; Vidarbha, Odisha during 16th-19th; Andaman & Nicobar Islands on 16th & 17th; Sub-Himalayan West Bengal & Sikkim on 17th, 21st & 22nd; Bihar during 20th-22nd; Jharkhand on 19th, 21st & 22nd August **with isolated very heavy rainfall over West Madhya Pradesh on 16th, 17th, 21st & 22nd; East Madhya Pradesh on 21st & 22nd; Vidarbha on 17th; Odisha, south Chhattisgarh on 18th & 19th 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 East Rajasthan & Uttarakhand during next 7 days; Himachal Pradesh during 16th-20th, Jammu-Kashmir 18th & 19th; Punjab during 16th-19th; Haryana during 16th-18th; West Uttar Pradesh on 16th & 22nd, East Uttar Pradesh on 21st & 22nd; West Rajasthan during 19th-22nd August **with very heavy rainfall over Uttarakhand on 16th & 17th; East Rajasthan on 19th, 21st & 22nd August.**
- ♦ 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 during next 7 days; Arunachal Pradesh on 16th, during 19th-22nd August **with very heavy rainfall over Arunachal Pradesh on 16th, during 19th-21st; Nagaland, Manipur, Mizoram & Tripura, Assam & Meghalaya during 20th-22nd August.**
- ♦ Light/moderate rainfall at many places accompanied with thunderstorm & lightning likely during next 3 days.
- ♦

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Main Weather Observations:

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

❖ **Significant rainfall recorded(in cm)** (from 0830 hours IST of yesterday to 0830 hours IST of today): **Konkan & Goa**: Santacruz (dist Mumbai Suburban) 24; Savarde-arg (dist Ratnagiri) 23; Chiplun (dist Ratnagiri) 22; Kudal (dist Sindhudurg) 18; Mandangad (dist Ratnagiri), Mhasla (dist Raigad), Palghar ARG (dist Palghar) 16 Each; Dapoli ARG (dist Ratnagiri) 15; Panvel ARG (dist Raigad), Guhagarh (dist Ratnagiri) 14 Each; Shriwardhan (dist Raigad), Poladpur (dist Raigad) 13 Each; Tbia IMD Part Time (dist Thane), Wakwali ARG (dist Ratnagiri) 12 Each; Vaibhavwadi (dist Sindhudurg), Vasai (dist Palghar) 11 Each; Malvan (dist Sindhudurg), Mulde ARG (dist Sindhudurg) 10 Each; Matheran (dist Raigad), Colaba (dist Mumbai City), Awalegaon - ARG (dist Sindhudurg), Mahad (dist Raigad), Uran (dist Raigad), Sangameshwar Devrukh (dist Ratnagiri) 8 Each; Harnai IMD (dist Ratnagiri), Karjat ARG (dist Raigad), Sawantwadi (dist Sindhudurg), Khalapur (dist Raigad) 7 Each; **Madhya Maharashtra**: Dahigaon - Fmo (dist Jalgaon) 20; Mahabaleshwar (dist Satara) 14; Gaganbawada (dist Kolhapur), Lonavala ARG (dist Pune) 13 Each; Radhanagari (dist Kolhapur) 12; Nandgaon (dist Nashik) 10; Erandol (dist Jalgaon), Dharangaon (dist Jalgaon) 9 Each; Pachora (dist Jalgaon), Girnadam - Fmo (dist Nashik) 7 Each; **Himachal Pradesh**: Naina Davi (dist Bilaspur) 16; Palampur (dist Kangra) 10; Pandoh (dist Mandi) 7; **Tamil Nadu, Puducherry & Karaikal**: Chinnakalar (dist Coimbatore) 16; Valparai PTO (dist Coimbatore) 14; Upasi Tea Research AWS (dist Coimbatore), Sholayar (dist Coimbatore), Cincona (dist Coimbatore) 12 Each; Valparai Taluk Office (dist Coimbatore), Avalanche (dist Nilgiris), Valparai Pap (dist Coimbatore) 10 Each; Nalumukku (dist Tirunelveli) 7; **Kerala & Mahe**: Vellanikkara (dist Thrissur) 15; Peechi AWS (dist Thrissur) 13; Lower Sholayar AWS (dist Thrissur) 12; Peermade To (dist Idukki), Ayyankunnu AWS (dist Cannur) 11 Each; Munnar Kseb (dist Idukki), Kunnamkulam (dist Thrissur), Vilangankunnu ARG (dist Thrissur), Mangalam Dam AWS (dist Palakkad) 10 Each; Angadipuram (dist Malappuram), Idamalayar Dam AWS (dist Ernakulam) 9 Each; Idukki (dist Idukki), Alathur (dist Palakkad), Athirappalli AWS (dist Thrissur) 8 Each; Quilandi (dist Kozhikode), Irinjalakuda (dist Thrissur), Chalakudi (dist Thrissur), Vadakkancherry (dist Thrissur), Parumbikulam (dist Palakkad), Aralam AWS (dist Cannur), Kollengode AWS (dist Palakkad), Manantoddy (dist Wynad) 7 Each; **South Interior Karnataka**: Agumbe AWS (dist Shivamogga) 14; Kammardi (dist Chikkamagaluru) 10; Sringeri HMS (dist Chikkamagaluru) 9; Koppa (dist Chikkamagaluru), Bhagamandala (dist Kodagu) 7 Each; **West Madhya Pradesh**: Sailana (dist Ratlam) 14; Khachrod (dist Ujjain) 12; Sendhwa(med) (dist Barwani), Manawar (dist Dhar) 9 Each; Bhanpura (dist Mandsaur), Warla (dist Barwani) 8 Each; Badwani (dist Barwani), Depalpur (dist Indore), Chachariyapati (dist Barwani), Pachore (dist Rajgarh) 7 Each; **Vidarbha**: Sironcha (dist Gadchiroli) 12; Ahiri (dist Gadchiroli) 9; **East Madhya Pradesh**: Pandhurna (dist Chhindwara) 12; Lakhnadon (dist Seoni) 8; **Nagaland, Manipur, Mizoram & Tripura**: Gokulpur AWS (dist Gomati) 11; Chhamonu (dist Dhalai), Kvk Dhalai (dist Dhalai) 9 Each; Kolasib AWS (dist Kolasib) 8; Ashapara AWS (dist North Tripura) 7; **Uttarakhand**: Rishikesh (dist Dehradun) 11; Loharkhet (dist Bageshwar) 9; Sama (dist Bageshwar), Narendranagar (dist Garhwal Tehri) 7 Each; **Chhattisgarh**: Chhotedongar (dist Narayanpur) 11; Darbha (dist Bastar), Pondi Bachra (dist Koriya) 8 Each; Sukma (dist Sukma), Barsur (dist Dantewada) 7 Each; **Marathwada**: Kandhar (dist Nanded) 11; Kinwat (dist Nanded) 10; Himayatnagar (dist Nanded) 8; **Coastal Karnataka**: Gersoppa (dist Uttara Kannada) 10; Siddapura (dist Udupi) 8; Dharmasthala (dist Dakshina Kannada) 7; **Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad**: Udhampur(IAF) (dist Udhampur) 10; **Odisha**: Bari (dist Jajpur), Binjharpur (dist Jajpur) 8 Each; Kotpad (dist Koraput) 7; **Saurashtra & Kutch**: Thangadh (dist Surendranagar) 8; **Haryana-Chandigarh-Delhi**: Mewat Nuh AWS (dist Nuh) 8; **Gujarat Region**: Kapadvanj (dist Kheda) 7; **East Rajasthan**: Gogunda SR (dist Udaipur) 7; **West Rajasthan**: Bali (dist Pali) 7; **Coastal Andhra Pradesh & Yanam**: Kukunoor (dist Eluru) 7.

❖ **Heavy Rainfall observed** (from 0830 hours IST of yesterday to 0830 hours IST of today): **Extremely heavy rain** at isolated places over Konkan & Goa. **Heavy to very heavy rain** at isolated places over Himachal Pradesh, West Madhya Pradesh, East Madhya Pradesh, Konkan & Goa, Madhya Maharashtra, Vidarbha, Tamil Nadu, Puducherry & Karaikal, South Interior Karnataka and Kerala & Mahe. **Heavy rain** at isolated places over Nagaland, Manipur, Mizoram & Tripura, Odisha, Uttarakhand, Haryana-Chandigarh-Delhi, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, West Rajasthan, East Rajasthan, Gujarat Region, Saurashtra & Kutch, Marathwada, Chhattisgarh,

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Coastal Andhra Pradesh & Yanam and Coastal Karnataka.

❖ **Minimum Temperature Departures (as on 16-08-2025): markedly above normal(> 5.1°C)** at most places over Himachal Pradesh; at few places over Assam & Meghalaya, East Uttar Pradesh, West Uttar Pradesh, East Rajasthan, West Madhya Pradesh and East Madhya Pradesh; at isolated places over Bihar and Saurashtra & Kutch. **appreciably above normal(3.1°C to 5.0°C)** at few places over Sub Himalayan West Bengal & Sikkim and West Rajasthan; at isolated places over Odisha, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad, Gujarat Region and Madhya Maharashtra. **above normal(1.6°C to 3.0°C)** at many places over Punjab; at few places over Gangetic West Bengal and Coastal Karnataka; at isolated places over Uttarakhand, Vidarbha, Chhattisgarh, Coastal Andhra Pradesh & Yanam, Tamil Nadu, Puducherry & Karaikal, South Interior Karnataka and Kerala & Mahe. **near normal(-1.5°C to 1.5°C)** at many places over Andaman & Nicobar Islands, Jharkhand and Telangana; at most places over Nagaland, Manipur, Mizoram & Tripura, Haryana-Chandigarh-Delhi, Konkan & Goa, Marathwada, Rayalaseema, North Interior Karnataka and Lakshadweep. **The lowest minimum temperature** of 18.2°C is reported at MATHERAN (MAHARASHTRA) over the Plains of India.

❖ **Maximum Temperature Departures (as on 15-08-2025): markedly above normal(> 5.1°C)** at isolated places over West Rajasthan. **appreciably above normal(3.1°C to 5.0°C)** at few places over Arunachal Pradesh and West Madhya Pradesh; at isolated places over Assam & Meghalaya, Odisha, East Rajasthan, East Madhya Pradesh, Gujarat Region, Saurashtra & Kutch and Chhattisgarh. **above normal(1.6°C to 3.0°C)** at many places over Sub Himalayan West Bengal & Sikkim; at most places over Nagaland, Manipur, Mizoram & Tripura; at few places over Bihar, East Uttar Pradesh and Vidarbha; at isolated places over Gangetic West Bengal, Jharkhand, West Uttar Pradesh, Himachal Pradesh, Madhya Maharashtra and Coastal Andhra Pradesh & Yanam. **near normal(-1.5°C to 1.5°C)** at many places over Uttarakhand, Punjab, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad, Telangana, Tamil Nadu, Puducherry & Karaikal and South Interior Karnataka; at most places over Konkan & Goa and Lakshadweep; at few places over Haryana-Chandigarh-Delhi, Rayalaseema, Coastal Karnataka, North Interior Karnataka and Kerala & Mahe; at isolated places over Andaman & Nicobar Islands and Marathwada. **The highest maximum temperature** of 40.5°C is reported at BARMER (RAJASTHAN).

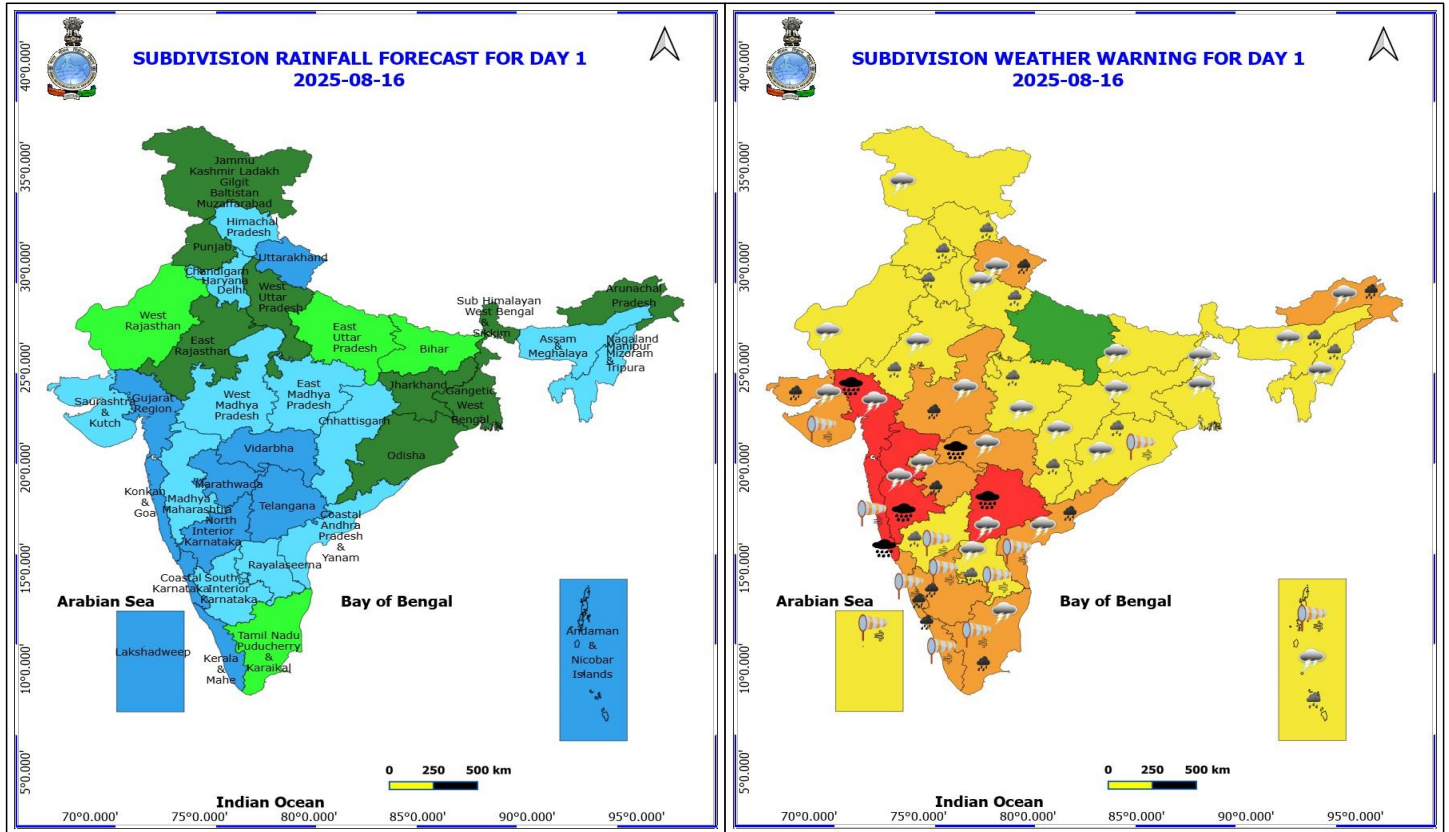


Meteorological Analysis (Based on 0830 hours IST)

- ❖ The **low-pressure area** over south Odisha & adjoining north Andhra Pradesh lay over south Chhattisgarh & neighbourhood at 0830 hrs IST of today, the 16th August 2025. The associated upper air cyclonic circulation extended upto 7.6 km above mean sea level tilting southwestwards with height. It is likely to move west-northwestwards and weaken gradually and would reach over Gujarat around 18th August morning as a remnant Cyclonic Circulation.
- ❖ The **monsoon trough** at mean sea level passed through Jaisalmer, Jodhpur, Kota, Guna, Betul, centre of low-pressure area over south Chhattisgarh, Vishakhapatnam and thence east-southeastwards to eastcentral Bay of Bengal.
- ❖ The **upper air cyclonic circulation** over Jammu-Kashmir & neighbourhood at 3.1 km above mean sea level persisted.
- ❖ The **upper air cyclonic circulation** over Northeast Arabian Sea & adjoining south Gujarat & Konkan & Goa between 1.5 & 3.1 km above mean sea level persisted.
- ❖ The **trough** ran from northeast Arabian sea to upper air cyclonic circulation associated with the low-pressure area over south Chhattisgarh across North Maharashtra, between 1.5 & 4.5 km above mean sea level tilting southwards with height.
- ❖ A fresh **Low Pressure area** is likely to form over Northwest & adjoining westcentral Bay of Bengal around 18th August 2025.

Weather Outlook for subsequent 3 days

- ♦ **Fairly widespread to widespread rainfall** likely over the most parts of the country.
- ♦ A **Low Pressure area** is likely to form over northwest Bay of Bengal & Adjoining Bangladesh region around 24th August, 2025.



16 August (Day 1)

- ❖ **Heavy to Very Heavy Rainfall** at a few places with isolated **Extremely Heavy Rainfall** very likely over Konkan & Goa; **Heavy to Very Heavy Rainfall with Extremely Heavy Rainfall** at isolated places over Gujarat Region, Madhya Maharashtra, Telangana and Vidarbha.
- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Arunachal Pradesh, Coastal Andhra Pradesh, Coastal Karnataka, Kerala & Mahe, Marathwada, Saurashtra & Kutch, South Interior Karnataka, Tamil Nadu Puducherry & Karaikal, Uttarakhand and West Madhya Pradesh.
- ❖ **Heavy Rainfall** very likely at isolated places over Andaman & Nicobar Islands, Assam & Meghalaya, Chhattisgarh, East Madhya Pradesh, East Rajasthan, Haryana, Chandigarh & Delhi, Himachal Pradesh, Nagaland, Manipur, Mizoram and Tripura, North Interior Karnataka, Odisha, Punjab, Rayalaseema and West Uttar Pradesh.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Andaman & Nicobar Islands.
- ❖ **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 Andhra Pradesh, Arunachal Pradesh, Assam & Meghalaya, Chhattisgarh, Gujarat State, Madhya Pradesh, Maharashtra, Nagaland, Manipur, Mizoram and Tripura, Rajasthan, Tamil Nadu Puducherry & Karaikal, Telangana, Uttarakhand and West Uttar Pradesh.
- ❖ **Strong Surface Winds** very likely at isolated places over Andaman & Nicobar Islands, Andhra Pradesh, Karnataka, Kerala & Mahe, Konkan & Goa, Lakshadweep, Odisha, Saurashtra & Kutch and Tamil Nadu Puducherry & Karaikal.

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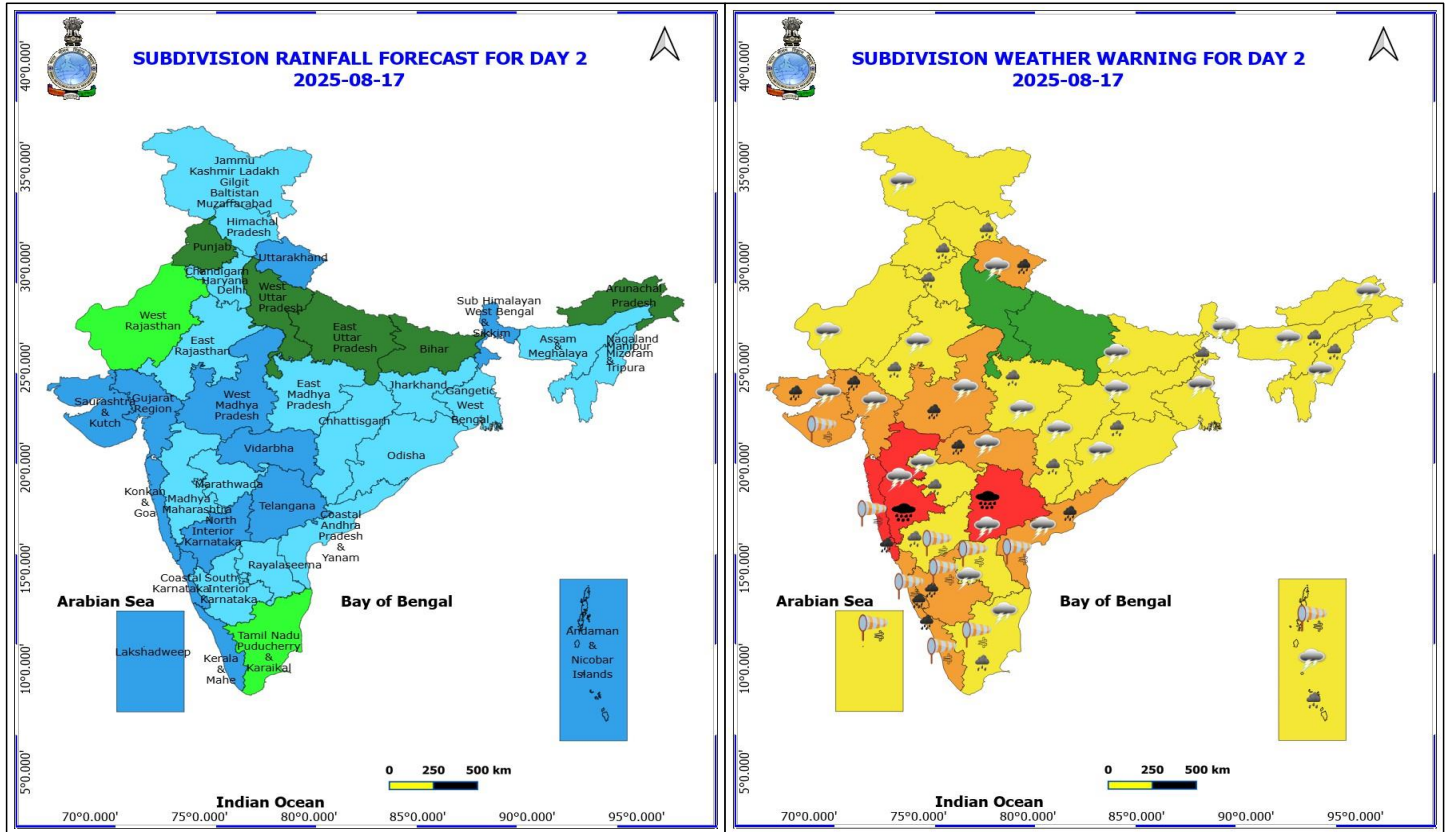
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- **Squally wind with speed reaching 45 kmph to 55 kmph gusting to 65 kmph** is likely to prevail along and off Somalia, Yemen, Oman coasts, most parts of westcentral Arabian sea and adjoining areas of southwest, eastcentral Arabian Sea.
- **Squally weather with wind speed reaching 40 - 50 kmph gusting to 60 kmph** likely to prevail along and off Karnataka & Kerala coasts, over Lakshadweep & Comorin areas, along and off Sri-Lanka coast, over most parts of south, central Bay of Bengal & adjoining, some parts of northwest Bay of Bengal, over Andaman Sea, along and off north Andhra Pradesh & south Odisha coasts.
- **Squally weather with wind speed reaching 45 - 55 kmph gusting to 65 kmph** likely to prevail over northeast & adjoining eastcentral Arabian sea and along & off south Gujarat, Konkan & Goa coasts.



17 August (Day 2)

- ❖ **Heavy to Very Heavy Rainfall with isolated Extremely Heavy Rainfall** very likely at isolated places over Madhya Maharashtra and Telangana.
- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Coastal Andhra Pradesh, Coastal Karnataka, Gujarat State, Kerala & Mahe, Konkan & Goa, South Interior Karnataka, Uttarakhand, Vidarbha and West Madhya Pradesh.
- ❖ **Heavy Rainfall** very likely at isolated places over Andaman & Nicobar Islands, Assam & Meghalaya, Chhattisgarh, East Madhya Pradesh, East Rajasthan, Haryana, Chandigarh & Delhi, Himachal Pradesh, Marathwada, Nagaland, Manipur, Mizoram and Tripura, North Interior Karnataka, Odisha, Punjab, Sub Himalayan West Bengal & Sikkim and Tamil Nadu Puducherry & Karaikal.
- ❖ **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, Madhya Pradesh, Maharashtra, Nagaland, Manipur, Mizoram and Tripura, Rajasthan, Tamil Nadu Puducherry & Karaikal, Telangana and Uttarakhand.
- ❖ **Strong Surface Winds** very likely at isolated places over Andaman & Nicobar Islands, Andhra Pradesh, Karnataka, Kerala & Mahe, Konkan & Goa, Lakshadweep, 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, Yemen, Oman coasts, most parts of westcentral Arabian sea and adjoining areas of southwest,

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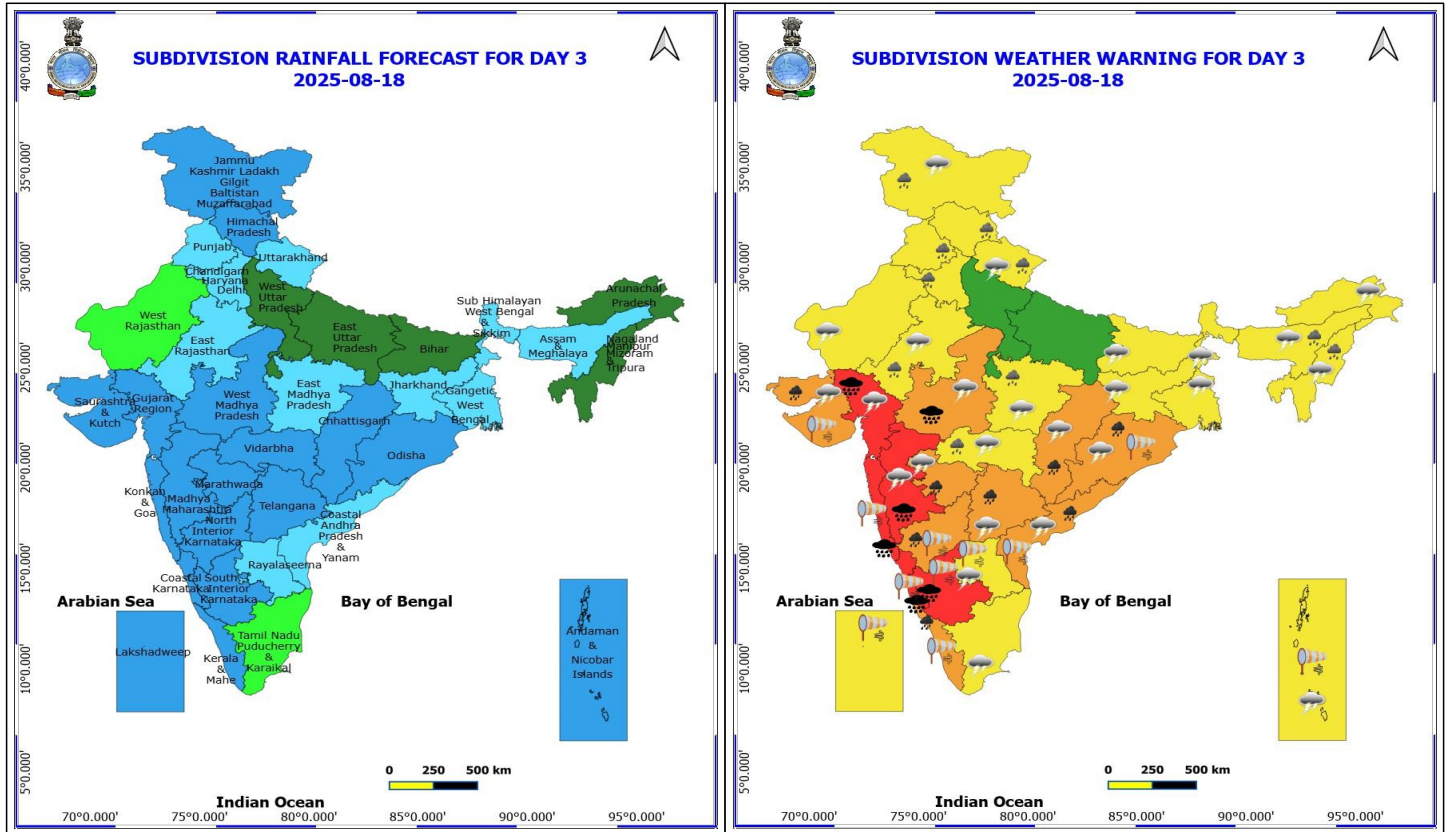
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eastcentral Arabian Sea.

- **Squally weather with wind speed reaching 40 - 50 kmph gusting to 60 kmph** likely to prevail along and off Karnataka & Kerala coasts, over Lakshadweep & Comorin areas, along and off Sri-Lanka coast, over most parts of south, central Bay of Bengal & adjoining, over Andaman Sea.
- **Squally weather with wind speed reaching 45 - 55 kmph gusting to 65 kmph** likely to prevail over northeast & adjoining eastcentral Arabian sea and along & off south Gujarat, Konkan & Goa coasts.



18 August (Day 3)

- ❖ **Heavy to Very Heavy Rainfall with isolated Extremely Heavy Rainfall** very likely at isolated places over Coastal Karnataka, Gujarat Region, Konkan & Goa, Madhya Maharashtra, South Interior Karnataka and West Madhya Pradesh.
- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Chhattisgarh, Coastal Andhra Pradesh, Kerala & Mahe, Marathwada, North Interior Karnataka, Odisha, Saurashtra & Kutch and Telangana.
- ❖ **Heavy Rainfall** very likely at isolated places over Assam & Meghalaya, East Madhya Pradesh, East Rajasthan, Haryana, Chandigarh & Delhi, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Nagaland, Manipur, Mizoram and Tripura, Punjab, 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, Madhya Pradesh, Maharashtra, Nagaland, Manipur, Mizoram and Tripura, Rajasthan, Tamil Nadu Puducherry & Karaikal, Telangana and Uttarakhand.
- ❖ **Strong Surface Winds** very likely at isolated places over Andaman & Nicobar Islands, Andhra Pradesh, Karnataka, Kerala & Mahe, Konkan & Goa, Lakshadweep, Odisha 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, Yemen, Oman coasts, most parts of westcentral Arabian sea and adjoining areas of southwest, eastcentral Arabian Sea.
- **Squally weather with wind speed reaching 40 - 50 kmph gusting to 60 kmph** likely to prevail along and

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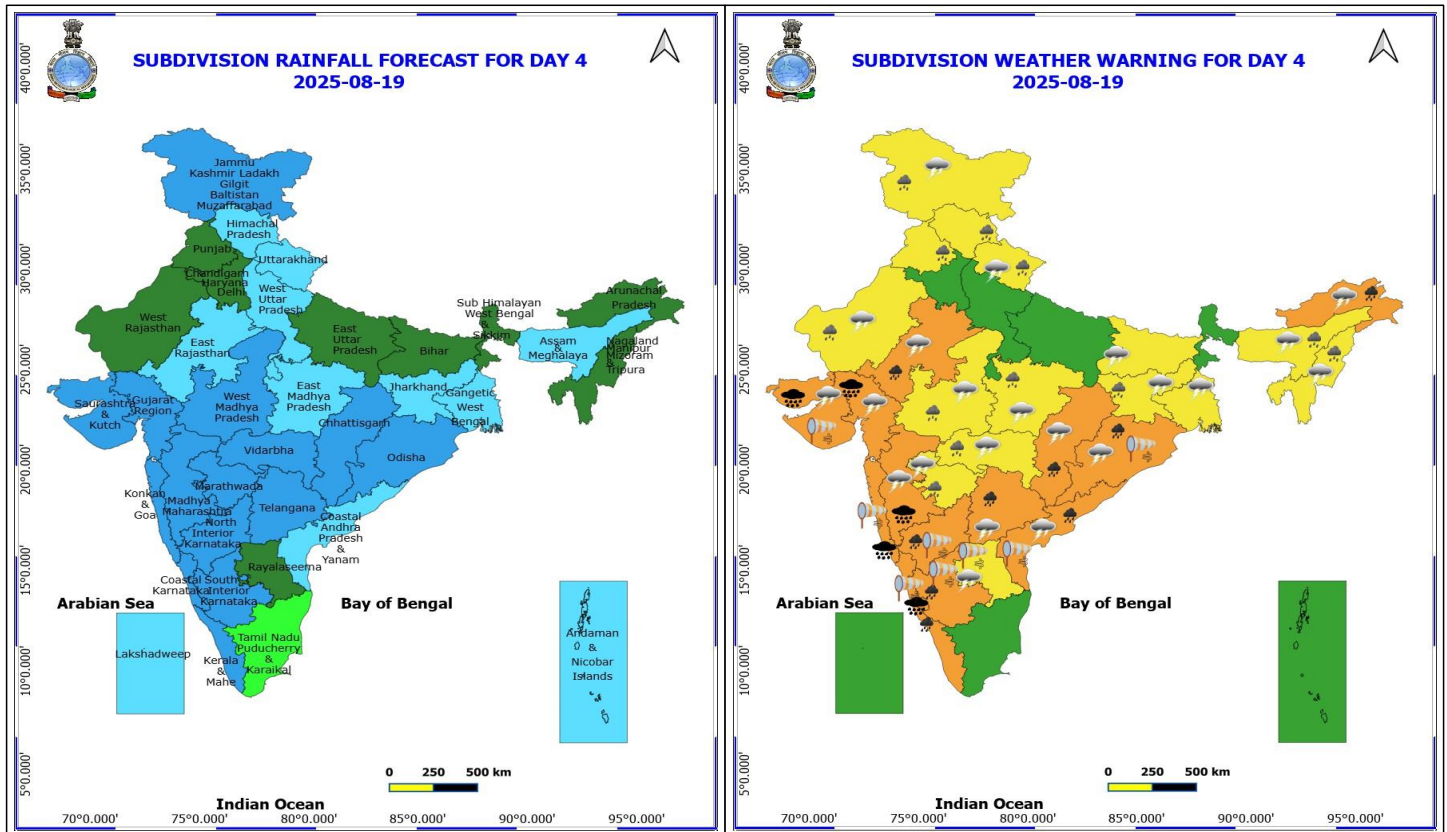
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off Karnataka & Kerala coasts, over Lakshadweep & Comorin areas, along and off Sri-Lanka coast, over most parts of south, central Bay of Bengal & adjoining, some parts of northwest Bay of Bengal, over Andaman Sea, along and off north Andhra Pradesh & Odisha coasts.

- **Squally weather with wind speed reaching 45 - 55 kmph gusting to 65 kmph** likely to prevail over northeast Arabian sea and along & off south Gujarat coast.
- **Squally weather with wind speed reaching 50 - 60 kmph gusting to 70 kmph** likely to prevail over eastcentral Arabian sea and along & off Konkan & Goa coasts.



19 August (Day 4)

- ❖ **Heavy to Very Heavy Rainfall with isolated Extremely Heavy Rainfall** likely at isolated places over Coastal Karnataka, Gujarat State, Konkan & Goa and Madhya Maharashtra.
- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Chhattisgarh, Coastal Andhra Pradesh, East Rajasthan, Interior Karnataka, Kerala & Mahe, Odisha and Telangana.
- ❖ **Heavy Rainfall** likely at isolated places over Assam & Meghalaya, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Jharkhand, Madhya Pradesh, Marathwada, Nagaland, Manipur, Mizoram and Tripura, Punjab, Uttarakhand, Vidarbha and West Rajasthan.
- ❖ **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 Andhra Pradesh, Arunachal Pradesh, Assam & Meghalaya, Chhattisgarh, Gujarat State, Madhya Pradesh, Maharashtra, Nagaland, Manipur, Mizoram and Tripura, Rajasthan, Telangana and Uttarakhand.
- ❖ **Strong Surface Winds** likely at isolated places over Andhra Pradesh, Karnataka, Konkan & Goa, Odisha 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, Yemen, Oman coasts, most parts of westcentral Arabian sea and adjoining areas of southwest, eastcentral Arabian Sea.
- **Squally weather with wind speed reaching 40 - 50 kmph gusting to 60 kmph** likely to prevail over Comorin areas, along and off Sri-Lanka coast, over most parts of south, central Bay of Bengal, some parts of northwest Bay of Bengal, over Andaman Sea, along and off north Tamil Nadu, Andhra Pradesh & Odisha

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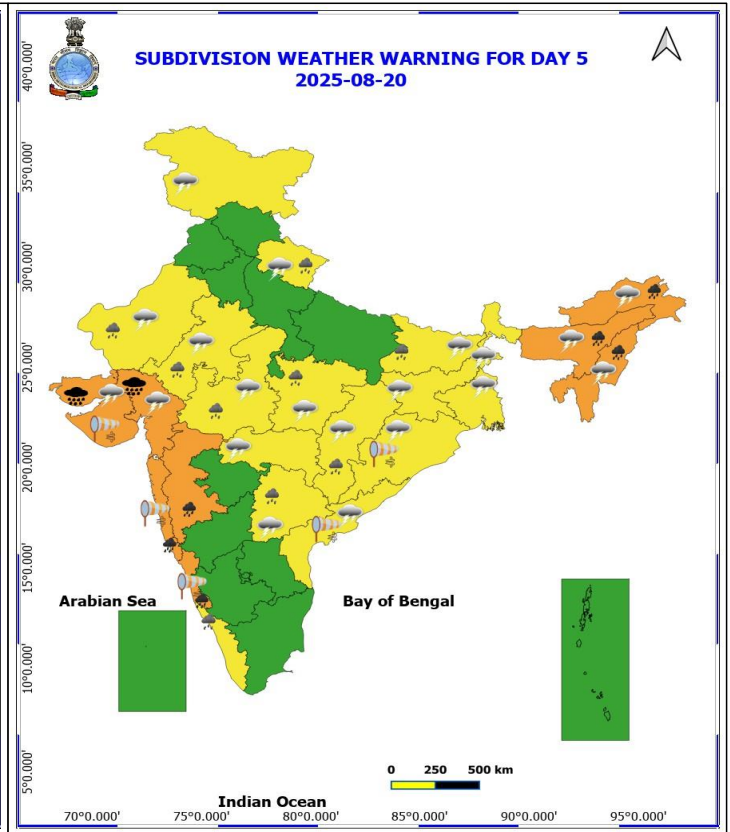
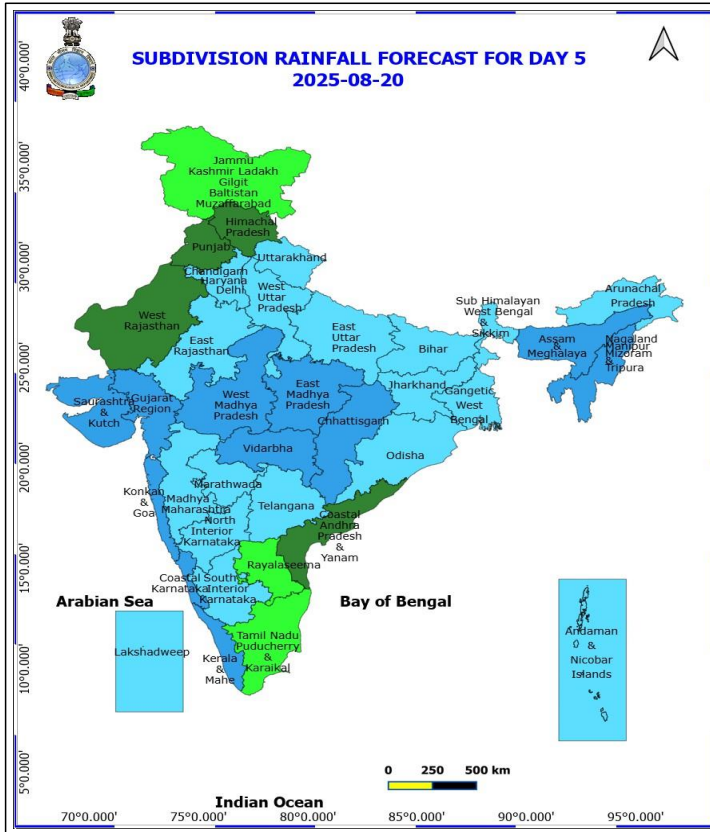
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coasts.

- **Squally weather with wind speed reaching 45 - 55 kmph gusting to 65 kmph** likely to prevail over northeast Arabian sea and along & off south Gujarat coast.
- **Squally weather with wind speed reaching 50 - 60 kmph gusting to 70 kmph** likely to prevail over eastcentral Arabian sea and along & off Konkan & Goa coasts.



20 August (Day 5)

- ❖ **Heavy to Very Heavy Rainfall with isolated Extremely Heavy Rainfall** likely at isolated places over Gujarat State.
- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Coastal Karnataka, Konkan & Goa, Madhya Maharashtra and Nagaland, Manipur, Mizoram and Tripura.
- ❖ **Heavy Rainfall** likely at isolated places over Bihar, Chhattisgarh, Kerala & Mahe, Madhya Pradesh, Rajasthan, Telangana and Uttarakhand.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Bihar, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffargarh, Jharkhand, Odisha and West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Chhattisgarh, Coastal Andhra Pradesh, Gujarat State, Madhya Pradesh, Nagaland, Manipur, Mizoram and Tripura, Rajasthan, Telangana, Uttarakhand and Vidarbha.
- ❖ **Strong Surface Winds** likely at isolated places over Coastal Andhra Pradesh, Coastal Karnataka, Konkan & Goa, Odisha 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, Yemen, Oman coasts, most parts of westcentral Arabian sea and adjoining areas of southwest, eastcentral Arabian Sea.
- **Squally weather with wind speed reaching 40 - 50 kmph gusting to 60 kmph** likely to prevail along and off Sri-Lanka coast, over most parts of south, central Bay of Bengal, some parts of northwest Bay of Bengal, along and off north Andhra Pradesh Odisha & Gangetic West Bengal coasts.
- **Squally weather with wind speed reaching 45 - 55 kmph gusting to 65 kmph** likely to prevail over

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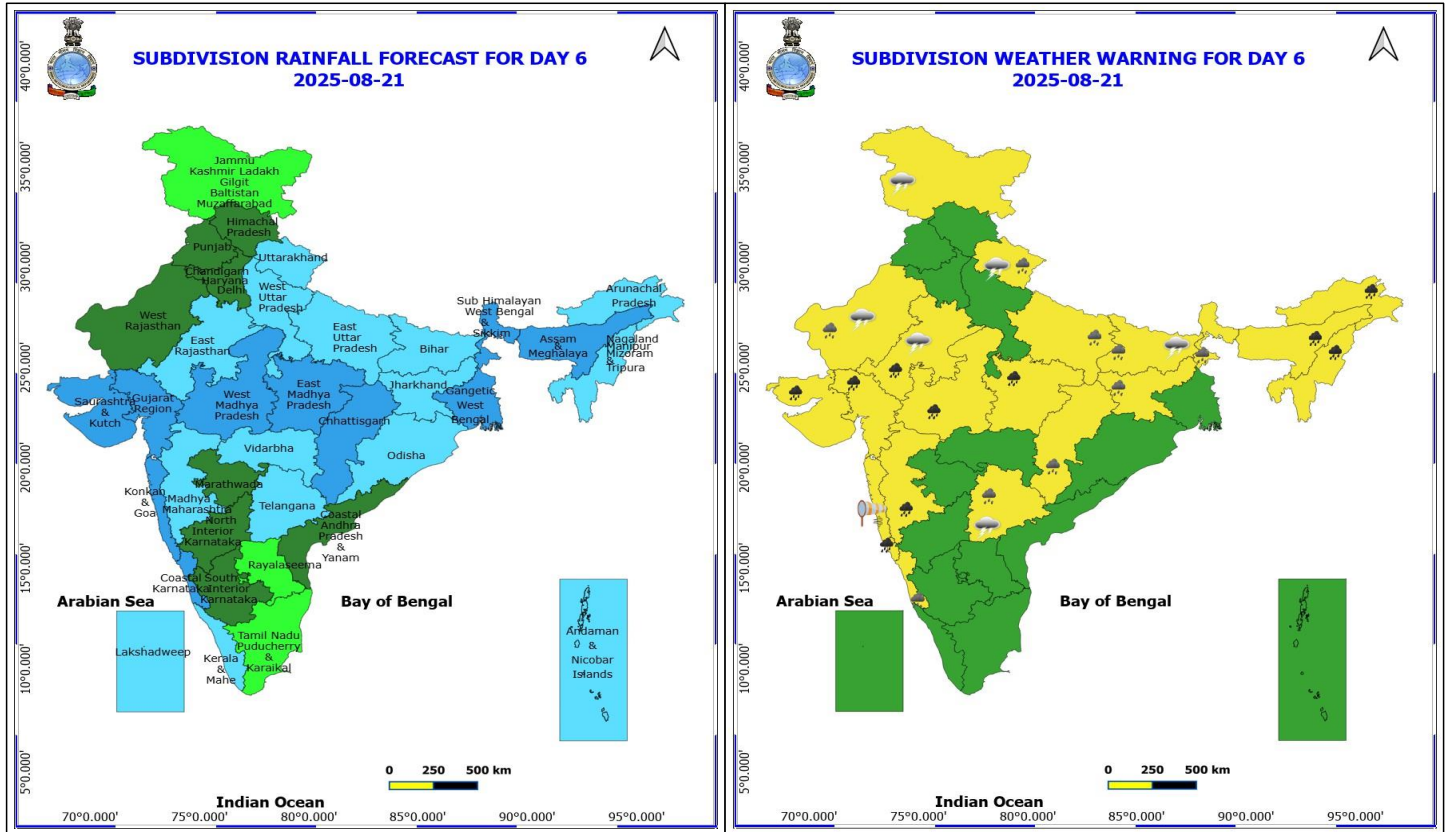
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northeast Arabian sea and along & off south Gujarat coast.

- **Squally weather with wind speed reaching 50 - 60 kmph gusting to 70 kmph** likely to prevail over eastcentral Arabian sea and along & off Konkan & Goa coasts.



21 August (Day 6)

- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, East Rajasthan, Gujarat State, Konkan & Goa, Madhya Maharashtra, Madhya Pradesh and Nagaland, Manipur, Mizoram and Tripura.
- ❖ **Heavy Rainfall** likely at isolated places over Bihar, Chhattisgarh, Coastal Karnataka, East Uttar Pradesh, Jharkhand, Sub Himalayan West Bengal & Sikkim, Telangana, Uttarakhand and West Rajasthan.
- ❖ **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, Telangana and Uttarakhand.
- ❖ **Strong Surface Winds** likely at isolated places over Konkan & Goa.

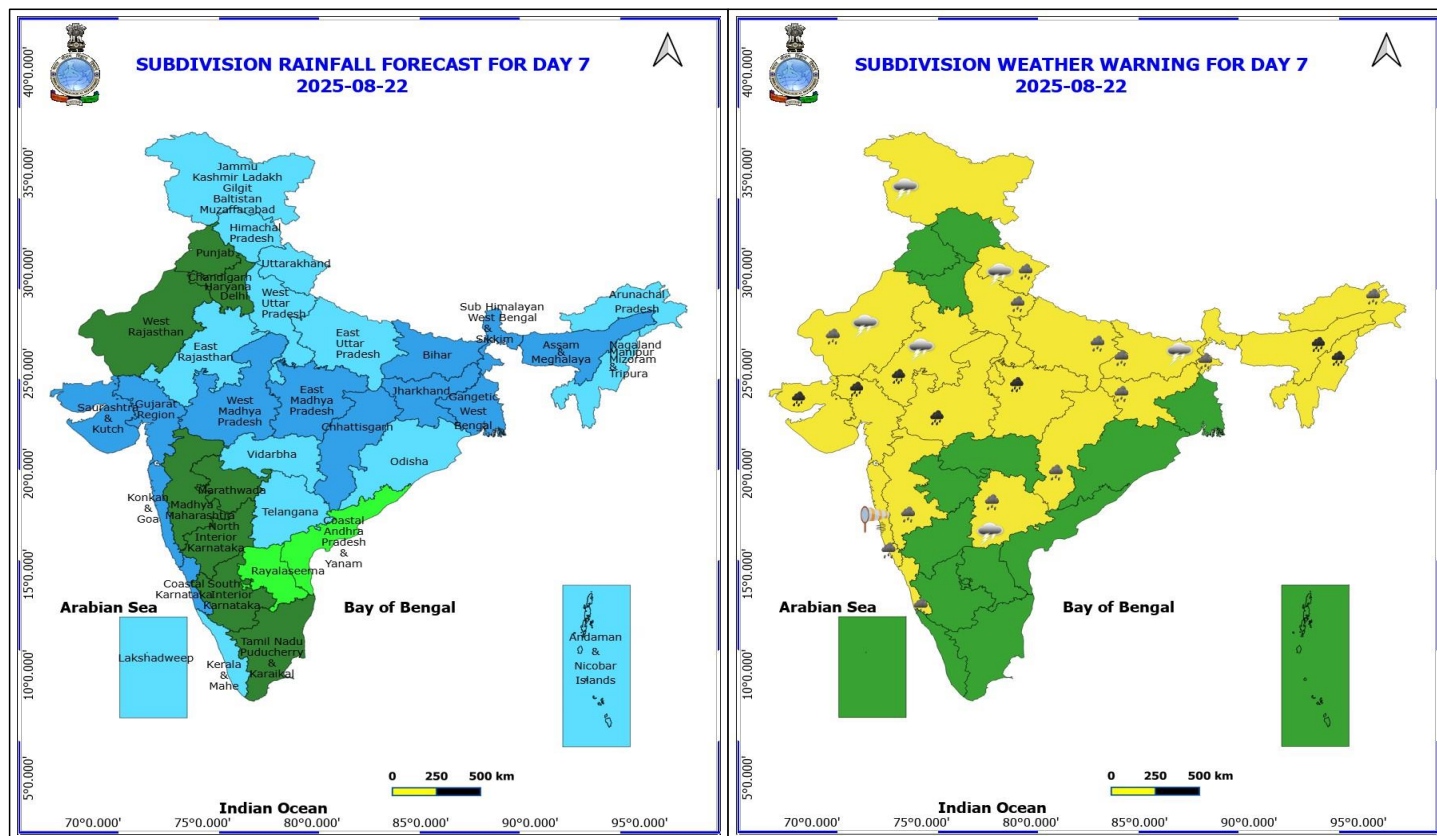
No Fishermen Warning

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22 August (Day 7)

- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Assam & Meghalaya, East Rajasthan, Gujarat State, Madhya Pradesh and Nagaland, Manipur, Mizoram and Tripura.
- ❖ **Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Bihar, Chhattisgarh, Coastal Karnataka, Jharkhand, Konkan & Goa, Madhya Maharashtra, Sub Himalayan West Bengal & Sikkim, Telangana, Uttar Pradesh, Uttarakhand and West Rajasthan.
- ❖ **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, Telangana and Uttarakhand.
- ❖ **Strong Surface Winds** likely at isolated places over Konkan & Goa.

No Fishermen Warning

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Flash Flood Warning:

24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 17-08-2025 :

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

Telangana - Adilabad, J. Bhupalpally, Jagtial, Kamareddy, Kumaram Bheem, Mancheril, Nirmal, Nizamabad and Peddapalle districts.

Vidarbha - Akola, Amaravati, Bhandara, Buldhana, Chandrapur, Gadchiroli, Gondiya, Nagpur, Wardha, Washim and Yavatmal districts.

West Madhya Pradesh - Alirajpur, Barwani, Betul, Burhanpur, Dhar, Harda, Indore, Jhabua, Khandwa, Khargone, Ratlam and Ujjain districts.

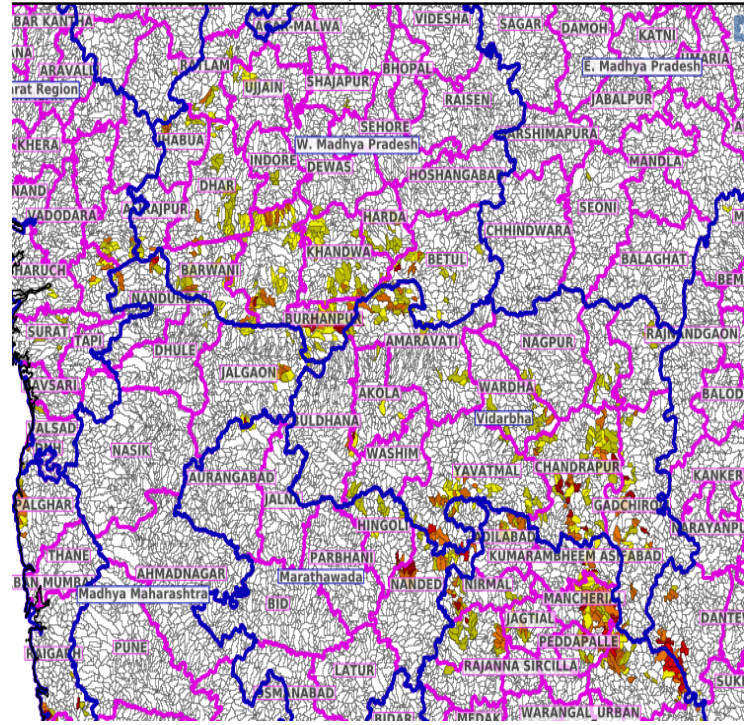
Gujarat Region - Bharuch, Chhota Udepur, Narmada, Navsari, Surat and Valsad districts.

Madhya Maharashtra - Dhule, Jalgaon and Nandurbar districts.

Marathawada - Hingoli and Nanded 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.

Product: WRF FFR | Timescale: 24-hr | Region: "REGIONAL"
Product Date: 2025-08-16 06:00 UTC | Valid Date: 2025-08-17 06:00 UTC



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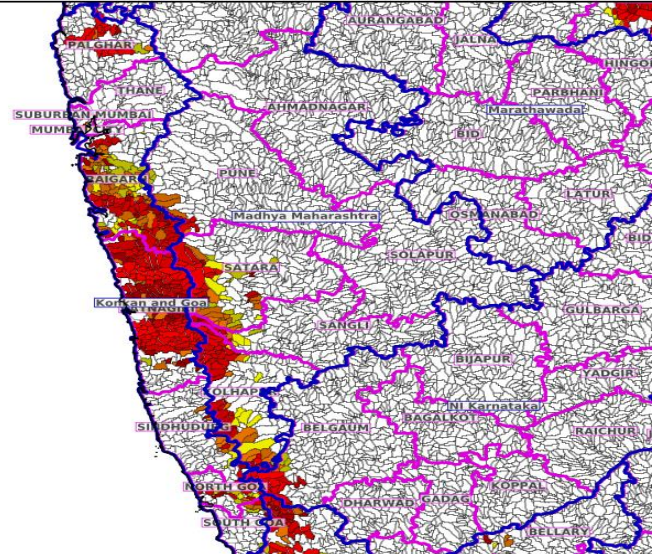
24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 17-08-2025 :

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

Konkan & Goa - North Goa, South Goa, Mumbai City, Palghar, Raigarh, Ratnagiri, Sindhudurg and Suburban Mumbai 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.

Product: NCUM FFR | Timescale: 24-hr | Region: "INDIA"
Product Date: 2025-08-16 06:00 UTC | Valid Date: 2025-08-17 06:00 UTC



24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 17-08-2025 :

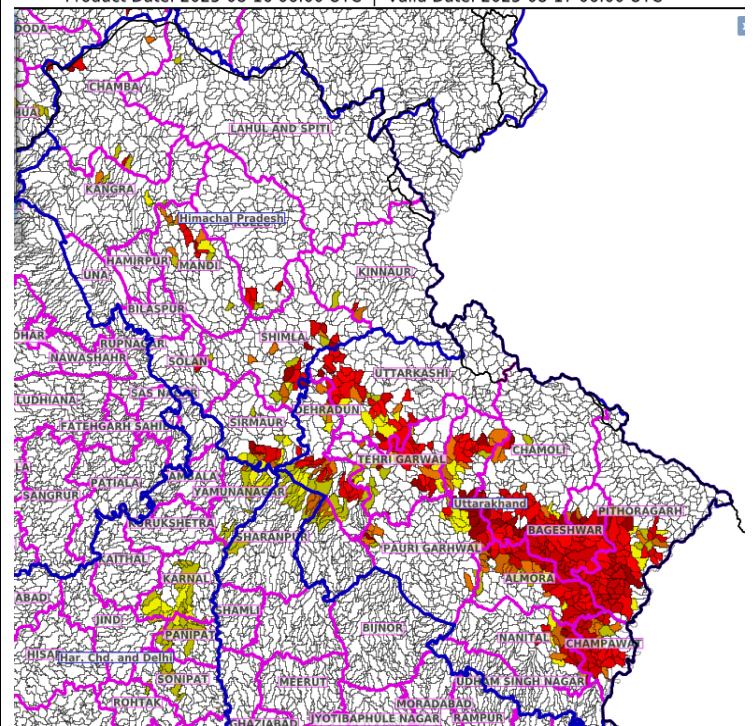
Low to Moderate flash flood risk likely over few watersheds & neighbourhoods of following Met Sub-divisions during next 24 hours.

Himachal Pradesh - Chamba, Kangra, Kullu, Mandi, Shimla, Sirmaur and Solan districts.

Uttarakhand - Almora, Bageshwar, Chamoli, Champawat, Dehradun, Haridwar, Nanital, Pauri Garhwal, Pithoragarh, Rudraprayag, Tehri Garwal and Uttarkashi 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.

Product: WRF FFR | Timescale: 24-hr | Region: "INDIA"
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Table-1

7 Days Rainfall Forecast

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

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

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Fig. 1: Maximum Temperatures Dated 2025-08-16

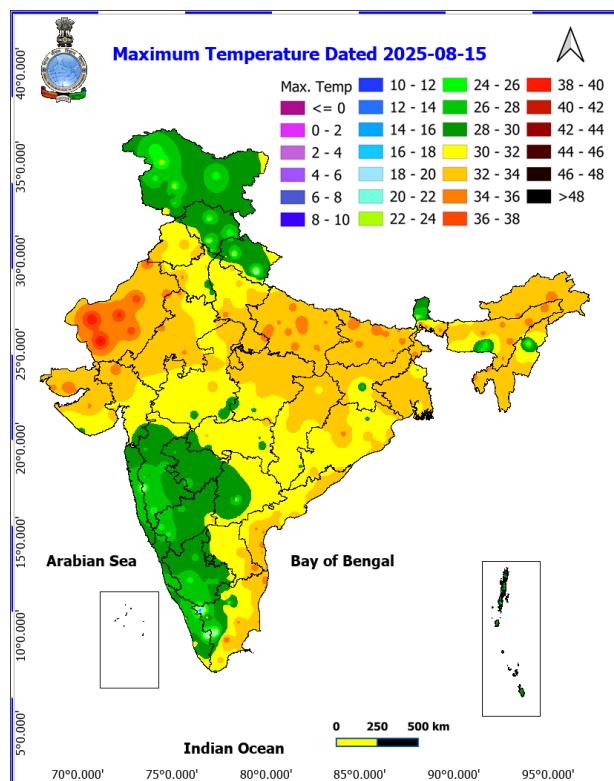


Fig. 2: Departure of Maximum Temp. Dated 2025-08-16

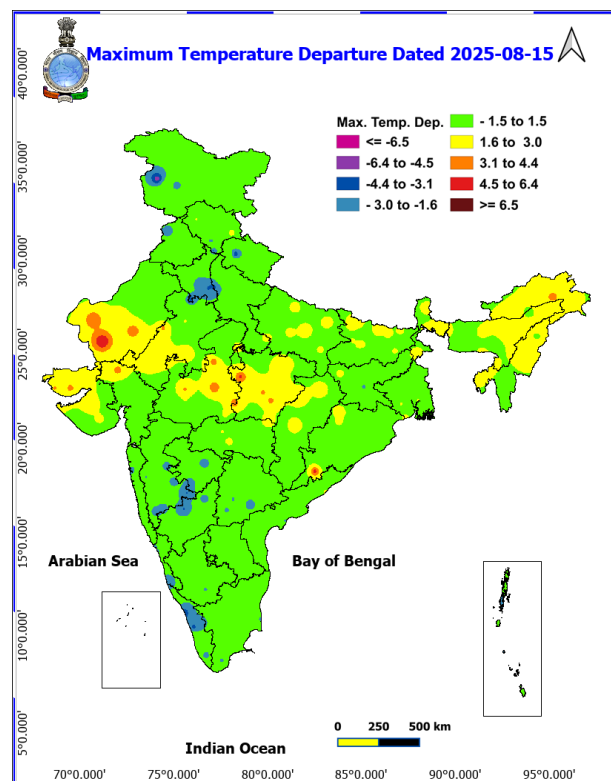


Fig. 3: Minimum Temperatures Dated 2025-08-16

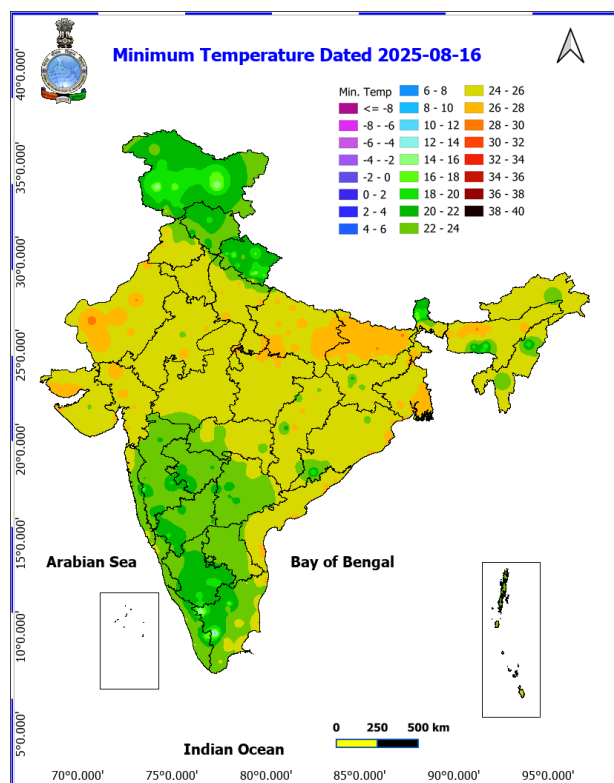
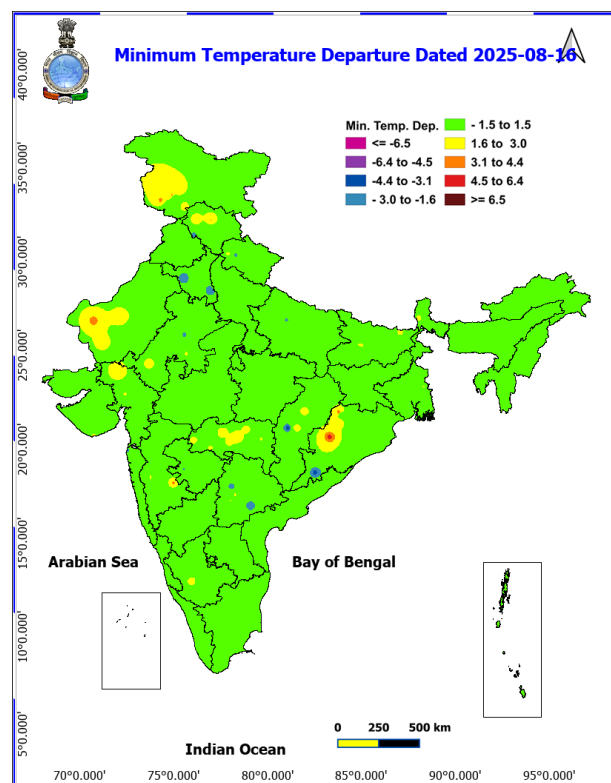
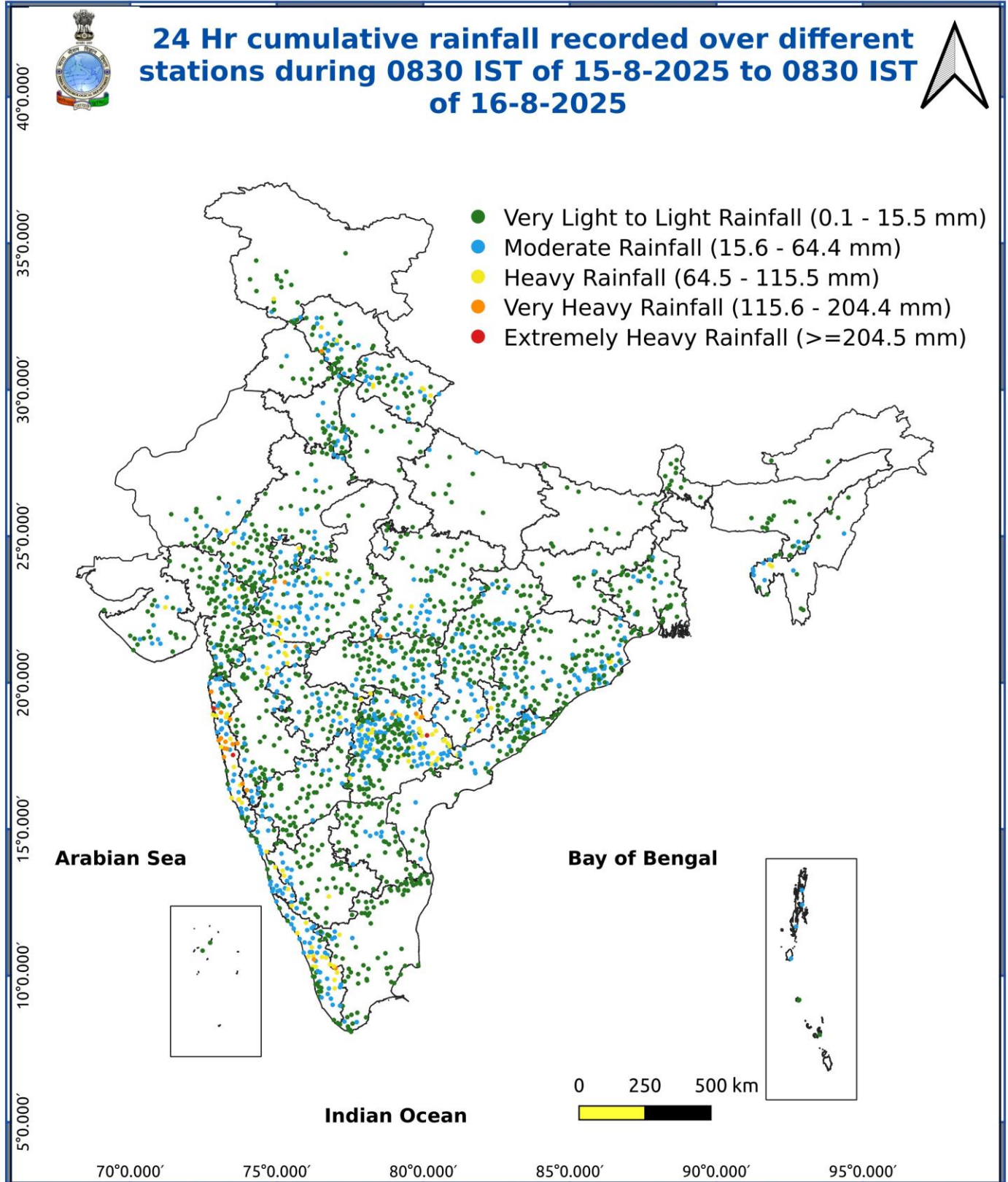


Fig. 4: Departure of Minimum Temp. Dated 2025-08-16





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Impact & Action Suggested due to

Extremely heavy rainfall very likely at isolated places over Konkan & Goa; Ghat areas of Madhya Maharashtra during 16th -19th; Gujarat Region on 16th, during 18th-20th; Saurashtra on 19th & 20th; Telangana on 16th & 17th; Coastal Karnataka on 18th & 19th; South Interior Karnataka, West Madhya Pradesh on 18th; south Vidarbha on 16th August.

Very heavy rainfall over Tamil Nadu on 16th; Telangana, Odisha, south Chhattisgarh on 18th & 19th; Coastal Andhra Pradesh & Yanam, Kerala during 16th-19th; Coastal & South Interior Karnataka, Uttarakhand on 16th & 17th; West Madhya Pradesh on 16th, 17th, 21st & 22nd; East Madhya Pradesh on 21st & 22nd; Vidarbha on 17th; East Rajasthan on 19th, 21st & 22nd August Arunachal Pradesh on 16th, during 19th-21st; Nagaland, Manipur, Mizoram & Tripura, Assam & Meghalaya during 20th-22nd 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

- 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**, harvest matured green gram and keep the harvested 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**.

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- 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 Sourashtra Zone**; groundnut, cotton and sesame in **North Sourashtra 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**, make arrangements to drain out excess water from fields of *kharif* maize, rice, minor millets, pulses and vegetables in **Bastar Plateau 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 **Karnataka**, provide adequate drainage facilities in rice fields and plantations of arecanut 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 **Kerala**, provide adequate drainage in fields of rice, coconut, banana and ginger. Provide support to banana plantations. Make the vegetable pandals stronger.
- In **Uttarakhand**, maintain proper drainage channels in fields of green gram, black gram, sugarcane, groundnut, sesame and vegetables in **Bhabar and Tarai Zone** and soybean, maize, pulses, finger millet, ginger, vegetable fields and fruit orchards in **Hill Zone**. In **Sub Humid Sub Tropic Zone**, postpone sowing of green gram till cessation of heavy rains. Ensure drainage of excess water from fields of barnyard millet, finger millet and already sown green gram.

Livestock / Fishery

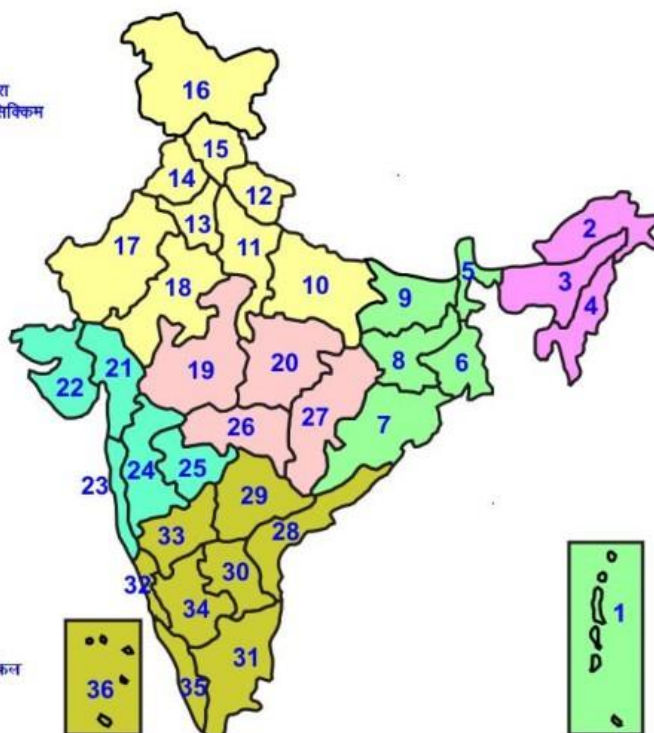
- Keep the animals inside the shed during heavy rainfall and provide them balanced feed.
- Store feed and fodder in a safe place to prevent spoilage.
- Construct an outlet with proper netting around the ponds to drain out excess water, thereby preventing fish from escaping in case of overflow.

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 रायलसेमा
- 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

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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



Rain/ Snow *

Heavy: 64.5 to 115.5 mm/cm *

Very Heavy: 115.6 to 204.4 mm/cm *

Extremely Heavy: > 204.4 mm/cm *



Heat Wave

When maximum temperature of a station reaches $\geq 40^{\circ}\text{C}$ for plains and $\geq 30^{\circ}\text{C}$ for hilly regions
(a) Based on Departure from normal

Heat Wave: Maximum Temperature Departure from normal 4.5°C to 6.4°C .

Severe Heat Wave: Maximum Temperature Departure from normal $\geq 6.5^{\circ}\text{C}$

(b). Based on Actual maximum temperature

Heat Wave: When actual maximum temperature $\geq 45^{\circ}\text{C}$.

Severe Heat Wave: When actual maximum temperature $\geq 47^{\circ}\text{C}$

(c). Criteria for heat wave for coastal stations

When maximum temperature departure is $> 4.5^{\circ}\text{C}$ from normal. Heat Wave may be described provided maximum temperature $\geq 37^{\circ}\text{C}$



Warm Night

When maximum temperature remains 40°C

Warm Night: When minimum temperature departure 4.5°C to 6.4°C .

Severe Warm Night: When minimum temperature departure $> 6.4^{\circ}\text{C}$.



Cold Wave

When minimum temperature of a station $\leq 10^{\circ}\text{C}$ for plains and $\leq 0^{\circ}\text{C}$ for hilly regions.

(a). Based on departure

Cold Wave: Minimum Temperature Departure from normal -4.5°C to -6.4°C .

Severe Cold Wave: Minimum Temperature Departure from normal $\leq -6.5^{\circ}\text{C}$

(b) Based on actual Minimum Temperature (for Plains only)

Cold Wave: When Minimum Temperature is $\leq 4.0^{\circ}\text{C}$

Severe Cold Wave: When Minimum Temperature is $\leq 2.0^{\circ}\text{C}$

(c) For Coastal Stations

When Minimum Temperature departure is $\leq -4.5^{\circ}\text{C}$ & actual Minimum Temperature is $\leq 15^{\circ}\text{C}$



Cold Day

When minimum temperature of a station $\leq 10^{\circ}\text{C}$ for plains and $\leq 0^{\circ}\text{C}$ for hilly regions

Based on departure

Cold Day: Maximum Temperature Departure from normal -4.5°C to -6.4°C .

Severe Cold Day: Maximum Temperature Departure from normal $\leq -6.5^{\circ}\text{C}$



Fog

Phenomenon of small droplets suspended in air and the horizontal visibility $< 1\text{km}$

Moderate Fog: When the visibility between 500-200 metres

Dense Fog: when the visibility between 50- 200 metres

Very Dense Fog: when the visibility < 50 metres



Thunderstorm

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



Dust/Sand Storm

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



Frost

Ice deposits on ground

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



Squall

A strong wind that rises suddenly, lasts for atleast 1 minute.

Moderate: Wind speed 52-61 kmph

Severe: Wind speed 62-87 kmph

Very Severe: Wind speed > 87 kmph



Sea State

Effect of various waves in the sea over specific area

Rough to very rough: Wind speed 41-62 kmph (22-33 knots) & Wave height 2.5-6 metre

High to very high: Wind speed 63-117 kmph (34-63 knots) & Wave height 6-14 metre

Phenomenal: Wind speed > 117 kmph (> 63 knots) & Wave height > 14 metre



Cyclone

Cyclonic Storm: Wind speed 62-87 kmph (34-47 knots)

Severe Cyclonic Storm: Wind speed 88-117 kmph (48-63 knots)

Very Severe Cyclonic Storm: Wind speed 118-165 kmph (64 - 89 knots)

Extremely Severe Cyclonic Storm: Wind speed 166-220 kmph (90 -119 knots)

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

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