



2026-08-17

Time of Issue: 20:59:00 hours IST
(Night)

ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

Significant Weather Features

Weather forecast and Warnings

Northwest India:

- **Fairly Widespread to Widespread** rainfall likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 17th-22nd August; Himachal Pradesh and Uttarakhand during 17th-23rd August.
- **Fairly Widespread to Widespread** rainfall likely over Punjab on 18th August; Haryana Chandigarh & Delhi on 18th August and during 21st-22nd August; West Uttar Pradesh on 17th August and during 21st-22nd August; East Uttar Pradesh during 17th-23rd August.
- **Isolated to Scattered** rainfall likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 23rd August.
- **Isolated to Scattered** rainfall likely over rest parts of northwest India.
- Isolated **thunderstorm & lightning** likely over Uttarakhand during 17th-23rd August.
- Isolated **heavy rainfall** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 17th-20th August; Himachal Pradesh on 17th August and during 19th-21st August; Uttarakhand during 18th-23rd August; Punjab during 17th-19th August; Haryana Chandigarh & Delhi during 17th-18th August and on 21st August; West Uttar Pradesh on 17th August and during 21st-22nd August; East Uttar Pradesh during 18th-19th August and during 22nd-23rd August; East Rajasthan during 20th-22nd August with isolated **very heavy rainfall** also likely over Himachal Pradesh and West Uttar Pradesh on 18th August; Uttarakhand on 17th August; East Uttar Pradesh on 17th August and during 20th-21st August..

Central India:

- **Fairly Widespread to Widespread** rainfall likely over West Madhya Pradesh during 17th-21st August; East Madhya Pradesh during 17th-23rd August; Vidarbha during 17th-18th August and during 21st-23rd August; Chhattisgarh during 17th-19th August and during 22nd-23rd August.
- **Isolated to Scattered** rainfall likely over West Madhya Pradesh during 22nd-23rd August; Vidarbha during 19th-20th August; Chhattisgarh during 20th-21st August.
- Isolated **thunderstorm & lightning** likely over Chhattisgarh during 18th-21st August.
- Isolated **heavy rainfall** likely over West Madhya Pradesh on 17th August and during 20th-23rd August; East Madhya Pradesh during 20th-23rd August; Vidarbha on 17th August; Chhattisgarh on 17th August and on 19th August with isolated **very heavy rainfall** also likely over East Madhya Pradesh during 17th-19th August; Chhattisgarh on 18th August.
- **Isolated extremely heavy rainfall likely over Chhattisgarh on 17th August.**

East India:

- **Fairly Widespread to Widespread** rainfall likely over Andaman & Nicobar Islands, Gangetic West Bengal and Sub-Himalayan West Bengal & Sikkim during 17th-23rd August; Jharkhand during 17th-19th August and on 23rd August; Bihar during 17th-19th August; Odisha during 17th-20th August.
- **Isolated to Scattered** rainfall likely over Jharkhand during 20th-22nd August; Bihar during 20th-23rd August; Odisha during 21st-23rd August.
- Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Gangetic West Bengal, Jharkhand and Odisha on 17th August, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Andaman & Nicobar Islands and Bihar during 17th-23rd August; Sub-Himalayan West Bengal & Sikkim during 17th-19th August; Gangetic West Bengal on 18th August; Jharkhand and Odisha during 18th-21st August.
- Isolated **heavy rainfall** likely over Sub-Himalayan West Bengal & Sikkim during 17th-21st August; Gangetic West Bengal during 17th-18th August; Jharkhand during 18th-19th August; Bihar on 17th August and during 19th-20th August; Odisha on 17th August and during 21st-23rd August with isolated **very heavy rainfall** also likely over Jharkhand on 17th August; Bihar and Odisha on 18th August.

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- **Isolated extremely heavy rainfall likely over Odisha, Gangetic West Bengal on 17th and Jharkhand on 18th August.**
- **Moderate to severe lightning activity over Bihar on 17th August.**

Northeast India:

- **Fairly Widespread to Widespread** rainfall likely over Arunachal Pradesh during 17th-21st August; Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 17th-23rd August.
- **Isolated to Scattered** rainfall likely over Arunachal Pradesh during 22nd-23rd August.
- Isolated **thunderstorm & lightning** likely over Arunachal Pradesh during 17th-20th August; Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 17th-21st August.
- Isolated **heavy rainfall** likely over Arunachal Pradesh during 17th-18th August and during 20th-22nd August; Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 17th-23rd August.

West India:

- **Fairly Widespread to Widespread** rainfall likely over Konkan & Goa during 17th-23rd August; Gujarat Region on 17th August.
- **Isolated to Scattered** rainfall likely over Madhya Maharashtra, Marathwada and Saurashtra & Kutch during 17th-23rd August; Gujarat Region during 18th-23rd August.
- Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Gujarat Region during 17th-19th August.
- Isolated **heavy rainfall** likely over Gujarat Region on 17th August.

South Peninsular India:

- **Isolated to Scattered** rainfall likely over Coastal Andhra Pradesh & Yanam, North Interior Karnataka, Rayalaseema, South Interior Karnataka, Tamil Nadu, Puducherry & Karaikal and Telangana during 17th-23rd August; Kerala & Mahe and Lakshadweep during 21st-23rd August.
- **Fairly Widespread to Widespread** rainfall likely over Kerala & Mahe and Lakshadweep during 17th-20th August; Coastal Karnataka during 17th-23rd August.
- Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Tamil Nadu, Puducherry & Karaikal on 18th August; Coastal Andhra Pradesh & Yanam, North Interior Karnataka and Rayalaseema during 17th-21st August, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over South Interior Karnataka and Telangana during 17th-21st August.
- Isolated **heavy rainfall** likely over Tamil Nadu, Puducherry & Karaikal during 18th-19th August; Kerala & Mahe on 18th August.
- Strong Surface Winds likely over Coastal Andhra Pradesh & Yanam, North Interior Karnataka, Rayalaseema, South Interior Karnataka and Telangana during 17th-21st August.

Fishermen Warning:

- **Arabian Sea:** Arabian Sea: Along and off Somalia and Oman coast, most parts of westcentral Arabian Sea and some parts of southwest Arabian sea adjoining few parts of north & eastcentral Arabian Sea till 21st August, along and off Gujarat coast adjoining some parts of northeast and eastcentral Arabian Sea during 16th to 18th August.
- **Bay of Bengal:** Over few parts Comorin area and southwest Bay of Bengal adjoining south Sri Lanka Coast till 21st August. Along and off West Bengal, Odisha and Bangladesh coast adjoining northwest and some parts of northeast & central Bay of Bengal during 16th to 19th August, Along and off north Andhra Pradesh coast adjoining central Bay of Bengal during 16th to 18th August, Along and off north Andhra Pradesh adjoining south Andhra Pradesh coasts & adjoining central Bay of Bengal on 18th August, Over Andaman Sea during 16th to 18th August.

Main Weather Observations:

❖ **Rainfall distribution** (from 0830 hours IST to 1730 hours IST of today): **at most places** over Gangetic West Bengal, Madhya Maharashtra, Konkan & Goa, Nagaland, Manipur, Mizoram & Tripura, East Madhya Pradesh, Coastal Karnataka, Chhattisgarh, East Uttar Pradesh and Bihar; **at many places** over Uttarakhand, Odisha, Sub-himalayan West Bengal & Sikkim, Assam & Meghalaya, West Uttar Pradesh, Haryana Chandigarh & Delhi, East Rajasthan, Arunachal Pradesh, Gujarat Region, Saurashtra & Kutch, West Madhya Pradesh, Jammu & Kashmir and Ladakh, Kerala & Mahe, North Interior Karnataka, Tamilnadu Puducherry & Karaikal, Coastal Andhra Pradesh & Yanam, Vidarbha, Marathwada, Telangana, Andaman & Nicobar Islands, Himachal Pradesh, Jharkhand and Lakshadweep; **Dry** over rest of the country.

❖ **Significant rainfall recorded(in cm)** (from 0830 hours IST to 1730 hours IST of today): **Gangetic West Bengal:** Diamond Harbour (dist South 24 Parganas) 8, Midnapore (dist Paschim Medinipur), Kolkata-salt Lake (dist North 24 Parganas) 6 Each, Haldia (dist Purba Medinipur), Suri (dist Birbhum) 5 Each, Kolkata-alipur (dist Kolkata), Burdwan (dist Purba Bardhaman), Kolkata-howrah-uluberia (dist Howrah) 4 Each; **Odisha:** Rourkela (dist Sundargarh) 5, Koraput (dist Koraput) 4; **Jharkhand:** Chaibasa (dist West Singhbhum) 5; **Bihar:** Chapra (dist Saran) 5; **East Uttar Pradesh:** Varanasi (babatpur) AP (dist Varanasi) 5; **Himachal Pradesh:** Dharamshala (dist Kangra) 5.

❖ **Heavy Rainfall observed** (from 0830 hours IST to 1730 hours IST of today): **Heavy rain** at isolated places over Gangetic West Bengal

❖ **Minimum Temperature Departures (as on 17-08-2026):** **markedly above normal(> 5.1°C)** at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Bihar, East Uttar Pradesh, West Uttar Pradesh, Himachal Pradesh, West Madhya Pradesh and Madhya Maharashtra. **appreciably above normal(3.1°C to 5.0°C)** at few places over Sub Himalayan West Bengal & Sikkim and East Madhya Pradesh; at isolated places over Andaman & Nicobar Islands, Assam & Meghalaya, Odisha, Bihar, East Uttar Pradesh, West Uttar Pradesh, Himachal Pradesh, West Madhya Pradesh, Saurashtra & Kutch, Madhya Maharashtra, Coastal Andhra Pradesh & Yanam and Tamil Nadu, Puducherry & Karaikal. **above normal(1.6°C to 3.0°C)** at many places over Tamil Nadu, Puducherry & Karaikal; at few places over Arunachal Pradesh, Bihar, Uttarakhand, East Rajasthan, East Madhya Pradesh, Gujarat Region, Coastal Andhra Pradesh & Yanam, Rayalaseema and Lakshadweep; at isolated places over Andaman & Nicobar Islands, Gangetic West Bengal, Odisha, West Uttar Pradesh, Haryana-Chandigarh-Delhi, Himachal Pradesh, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad, West Rajasthan, West Madhya Pradesh, Saurashtra & Kutch, Konkan & Goa and Vidarbha. **near normal(-1.5°C to 1.5°C)** at many places over Andaman & Nicobar Islands, Assam & Meghalaya, Sub Himalayan West Bengal & Sikkim, Gangetic West Bengal, Odisha, East Uttar Pradesh, Haryana-Chandigarh-Delhi, Punjab, Himachal Pradesh, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad, East Rajasthan, West Madhya Pradesh, Gujarat Region, Saurashtra & Kutch, Konkan & Goa, Vidarbha and Lakshadweep; at most places over Nagaland, Manipur, Mizoram & Tripura, Jharkhand, West Rajasthan, Madhya Maharashtra, Marathwada, Chhattisgarh, Telangana, Coastal Karnataka, North Interior Karnataka, South Interior Karnataka and Kerala & Mahe; at few places over Arunachal Pradesh, Bihar, West Uttar Pradesh, Uttarakhand, East Madhya Pradesh, Coastal Andhra Pradesh & Yanam, Rayalaseema and Tamil Nadu, Puducherry & Karaikal. **The lowest minimum temperature** of 17.2°C was reported at KHARGONE-OBS (MADHYA PRADESH) over the Plains of India.

❖ **Maximum Temperature Departures (as on 17-08-2026):** **markedly above normal(> 5.1°C)** at isolated places over Coastal Andhra Pradesh & Yanam. **appreciably above normal(3.1°C to 5.0°C)** at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Odisha, Himachal Pradesh, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad, Telangana, Rayalaseema, Tamil Nadu, Puducherry & Karaikal, North Interior Karnataka and Kerala & Mahe. **above normal(1.6°C to 3.0°C)** at many places over Punjab and Coastal Karnataka; at few places over Arunachal Pradesh, Haryana-Chandigarh-Delhi and Konkan & Goa; at isolated places over Bihar, West Uttar Pradesh, Uttarakhand, West Rajasthan, Saurashtra & Kutch, Vidarbha and South Interior Karnataka. **near normal(-1.5°C to 1.5°C)** at many places over Andaman & Nicobar Islands, Gujarat Region, Marathwada and Chhattisgarh; at most places over Sub Himalayan West Bengal & Sikkim, Jharkhand, East Rajasthan, Madhya Maharashtra and Lakshadweep; at few places over Gangetic West Bengal and West Madhya Pradesh. **The highest maximum temperature** of 39.7°C was reported at TIRUCHIRAPALLI (A) (TAMIL NADU).

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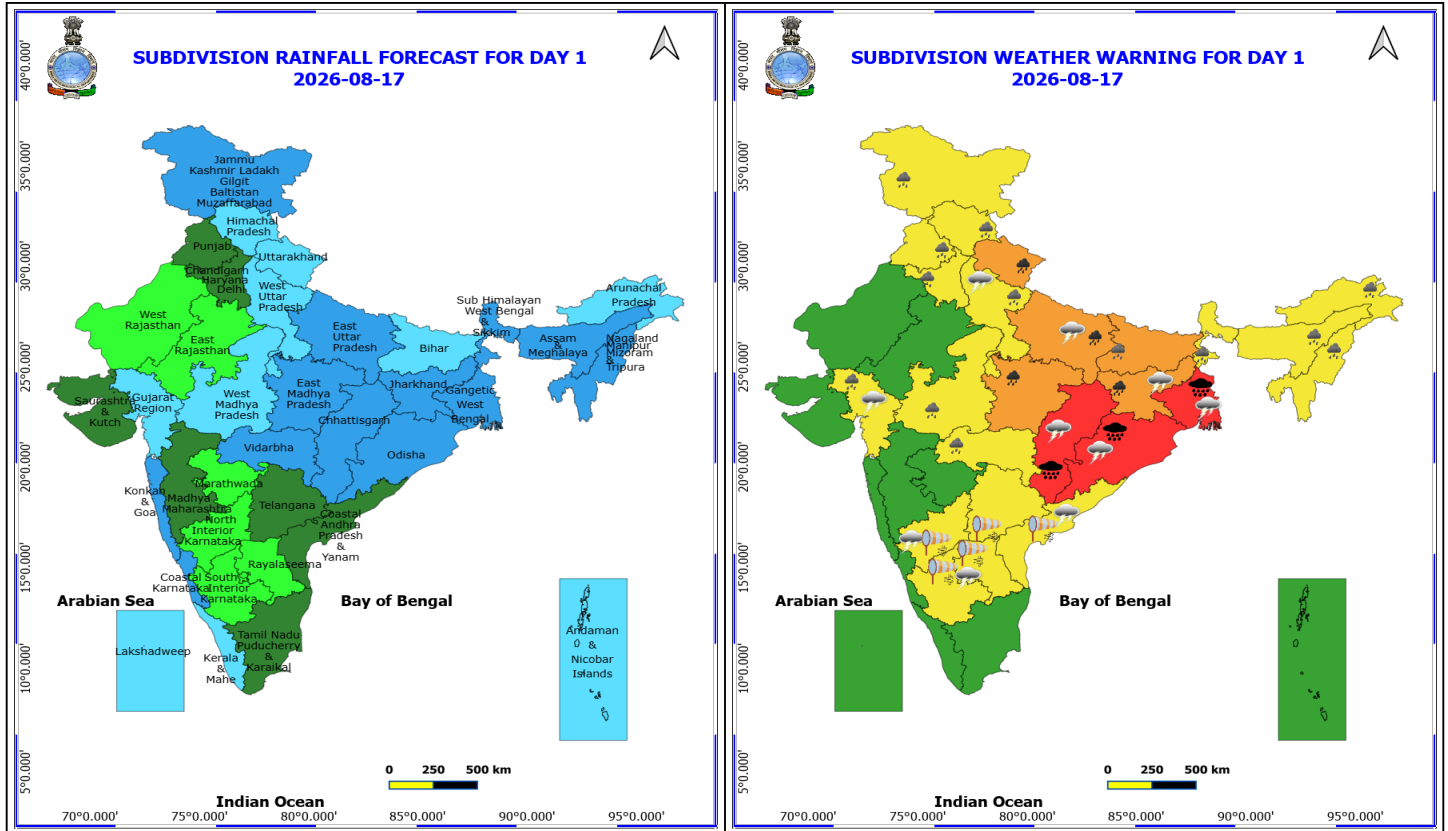
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Meteorological Analysis (Based on 1730 hours IST)

- **Depression** over coastal West Bengal and adjoining areas of Bangladesh & northwest Bay of Bengal moved north-northwestwards with a speed of 18 kmph during past 6 hours and lay centred at 1730 hrs IST of today, the 17th August, 2026, over northern parts of Gangetic West Bengal & neighbourhood, near latitude 23.6°N and longitude 87.7°E, close to south of Shanti Niketan (West Bengal), about 70 km east-northeast of Bankura (West Bengal), 90 km south-southeast of Dumka (Jharkhand), 130 km east of Dhanbad (Jharkhand) and 130 km east-northeast of Purulia (West Bengal). It is very likely to move northwestwards for some time and then west-northwestwards across Gangetic West Bengal, Jharkhand and Bihar during next 24 hours.
- The **Monsoon trough** at mean sea level now passes through Ferozepur, Muzaffarnagar, Gorakhpur, Bhagalpur, centre of **Depression** over northern parts of Gangetic West Bengal & neighbourhood & thence southeastwards to Northeast Bay of Bengal.
- The **Shear Zone** roughly along Lat. 22°N across central & adjoining north Peninsular India between 3.1 & 9.4km above mean sea level persists.
- The **upper air cyclonic circulation** over north Haryana & neighbourhood at 0.9 km above mean sea level persists.
- The **upper air cyclonic circulation** over central parts of Rajasthan between 3.1 & 4.5 km above mean sea level persists.
- The **upper air cyclonic circulation** over Jammu Division & neighbourhood at 5.8 km above mean sea level with a trough aloft at its axis at 7.6 km above mean sea level roughly along Long. 70°E to the north of Lat. 30°N persists.
- The **upper air cyclonic circulation** over East Uttar Pradesh & neighbourhood extending upto 1.5 km above mean sea level persists.
- The **upper air cyclonic circulation** over West Madhya Pradesh at 3.1 km above mean sea level persists.



17 August (Day 1)

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

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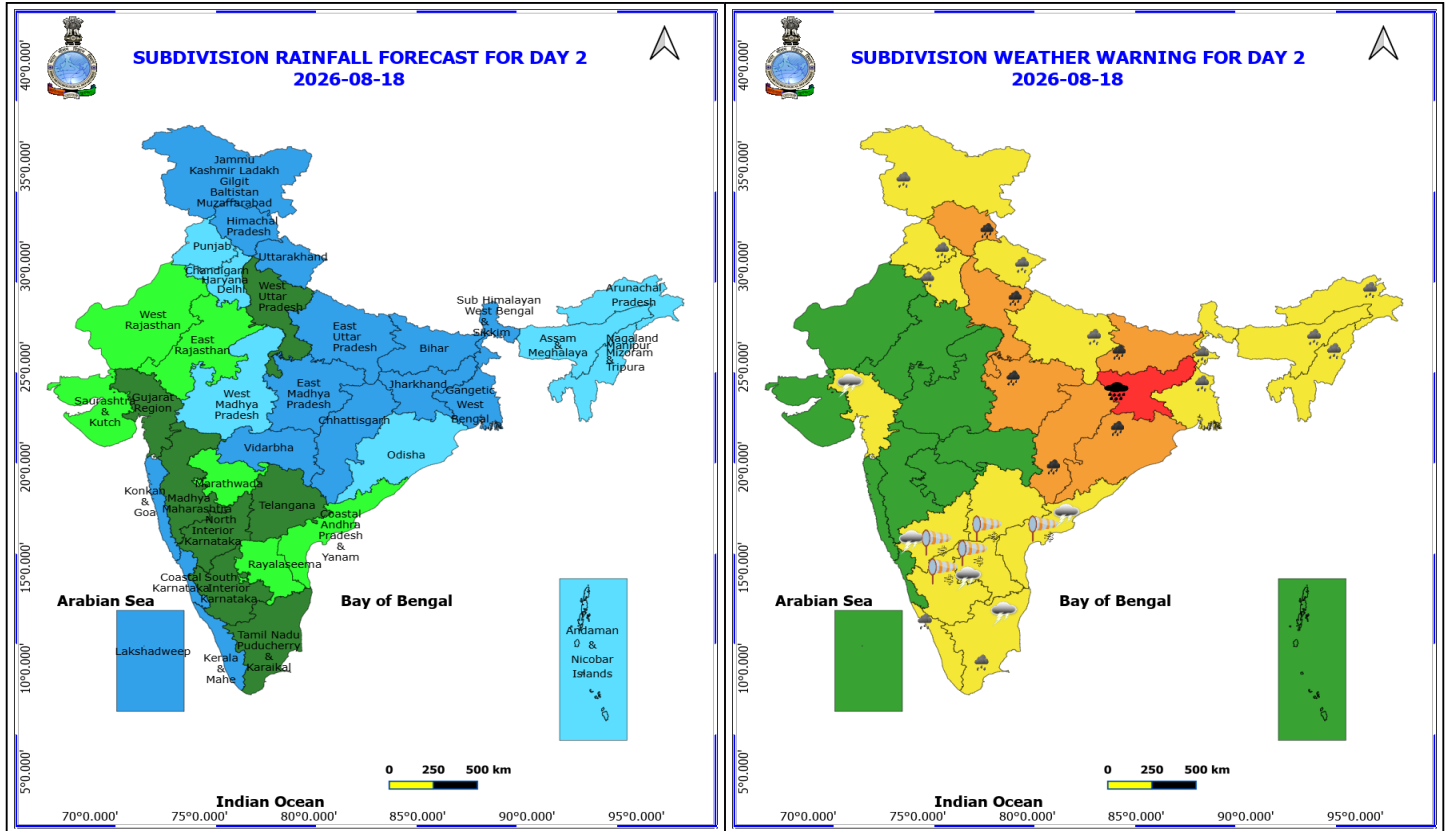
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Arabian Sea..

- ❖ Bay of Bengal: Squally wind with speed 45-55 kmph gusting to 65 kmph is likely to prevail over few parts of Comorin area and southwest Bay of Bengal adjoining south Sri Lanka coast.
- ❖ Squally Weather with wind speed 45-55 kmph gusting to 65 kmph is likely to prevail along and off Odisha, West Bengal and Bangladesh coasts, over most parts of northwest adjoining northeast and westcentral Bay of Bengal.
- ❖ Squally Weather with wind speed 40-50 kmph gusting to 60 kmph is likely to prevail along and off North Andhra Pradesh and Myanmar coasts, over some parts northeast & westcentral adjoining few parts of eastcentral Bay of Bengal and over Andaman Sea.



18 August (Day 2)

- ❖ **Heavy to Very Heavy Rainfall with isolated Extremely Heavy Rainfall** very likely at isolated places over Jharkhand.
- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Bihar, Chhattisgarh, East Madhya Pradesh, Himachal Pradesh, Odisha and West Uttar Pradesh.
- ❖ **Heavy Rainfall** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, East Uttar Pradesh, Haryana, Chandigarh & Delhi, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Kerala & Mahe, Nagaland, Manipur, Mizoram and Tripura, Punjab, Tamil Nadu Puducherry & Karaikal, Uttarakhand and West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Andhra Pradesh, Gujarat Region, North Interior Karnataka 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, Madhya Pradesh, Odisha, South Interior Karnataka, Telangana and West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Chhattisgarh, Nagaland, Manipur, Mizoram and Tripura and Uttarakhand.
- ❖ **Strong Surface Winds** very likely at isolated places over Andhra Pradesh, Interior Karnataka and Telangana.
- ❖ **Arabian Sea:** Squally wind with speed 45-55 kmph gusting to 65 kmph is likely to prevail along and off Gujarat, Somalia and Oman coasts, over most parts of westcentral adjoining some parts of southwest, north and eastcentral Arabian Sea

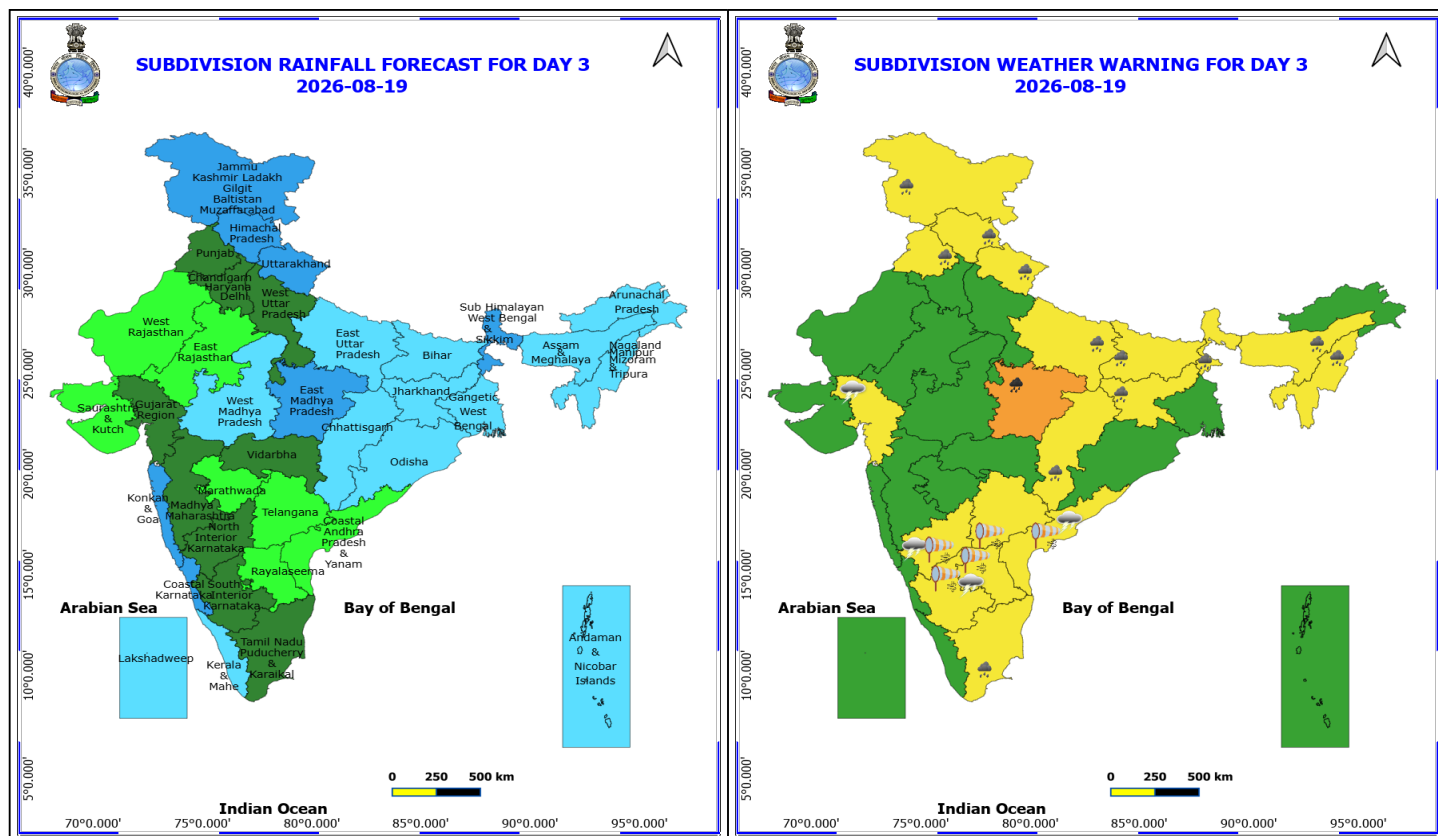
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- ❖ Bay of Bengal: Squally wind with speed 45-55 kmph gusting to 65 kmph is likely to prevail over few parts of Comorin area and southwest Bay of Bengal adjoining south Sri Lanka coast.
- ❖ Squally Weather with wind speed 45-55 kmph gusting to 65 kmph is likely to prevail along and off Odisha, West Bengal and Bangladesh coasts, over most parts of northwest adjoining northeast Bay of Bengal.
- ❖ Squally Weather with wind speed 40-50 kmph gusting to 60 kmph is likely to prevail along and off Bangladesh coast, over some parts northeast & few parts of central Bay of Bengal.



19 August (Day 3)

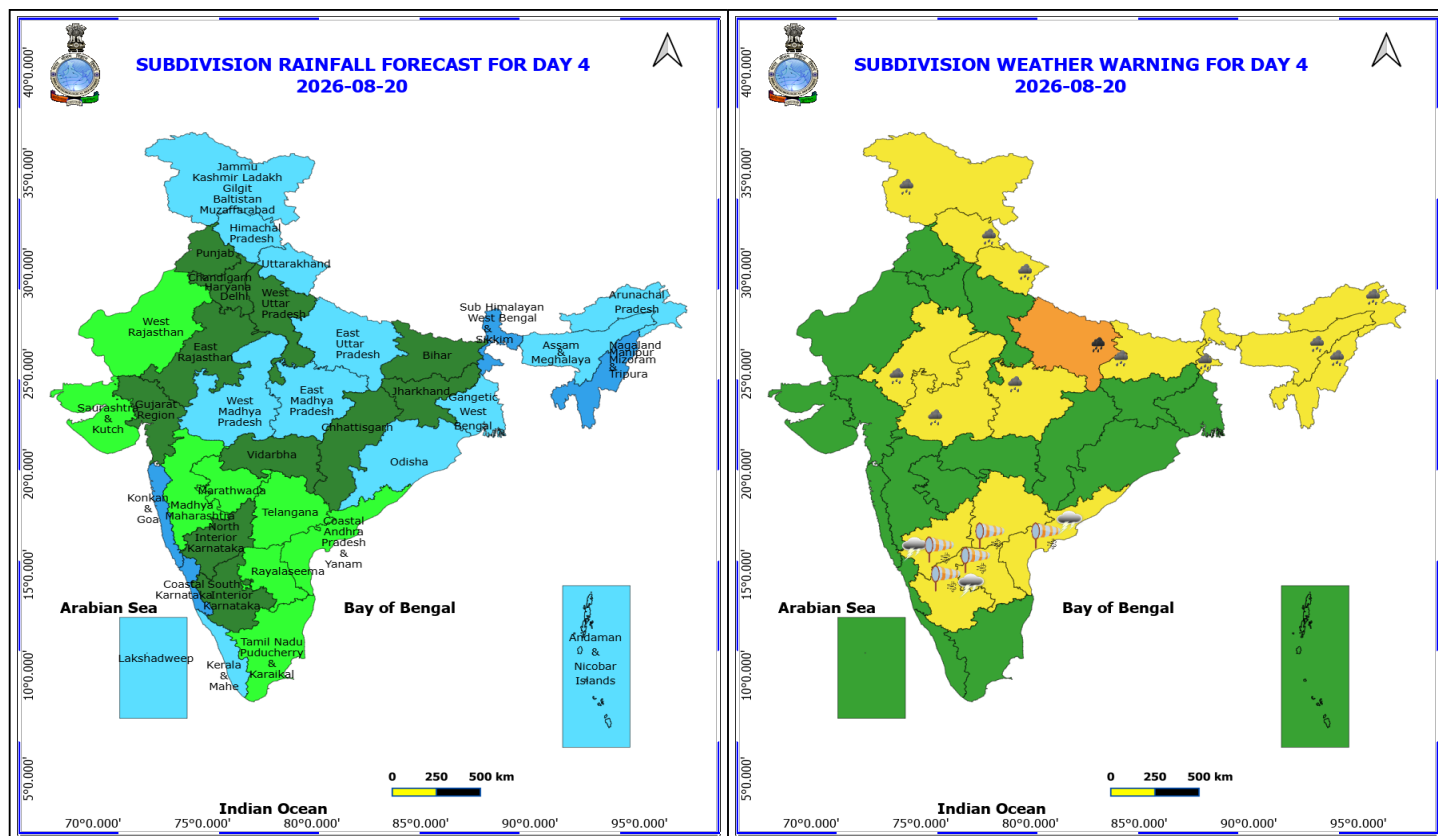
- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over East Madhya Pradesh.
- ❖ **Heavy Rainfall** very likely at isolated places over Assam & Meghalaya, Bihar, Chhattisgarh, East Uttar Pradesh, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Jharkhand, Nagaland,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

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20 August (Day 4)

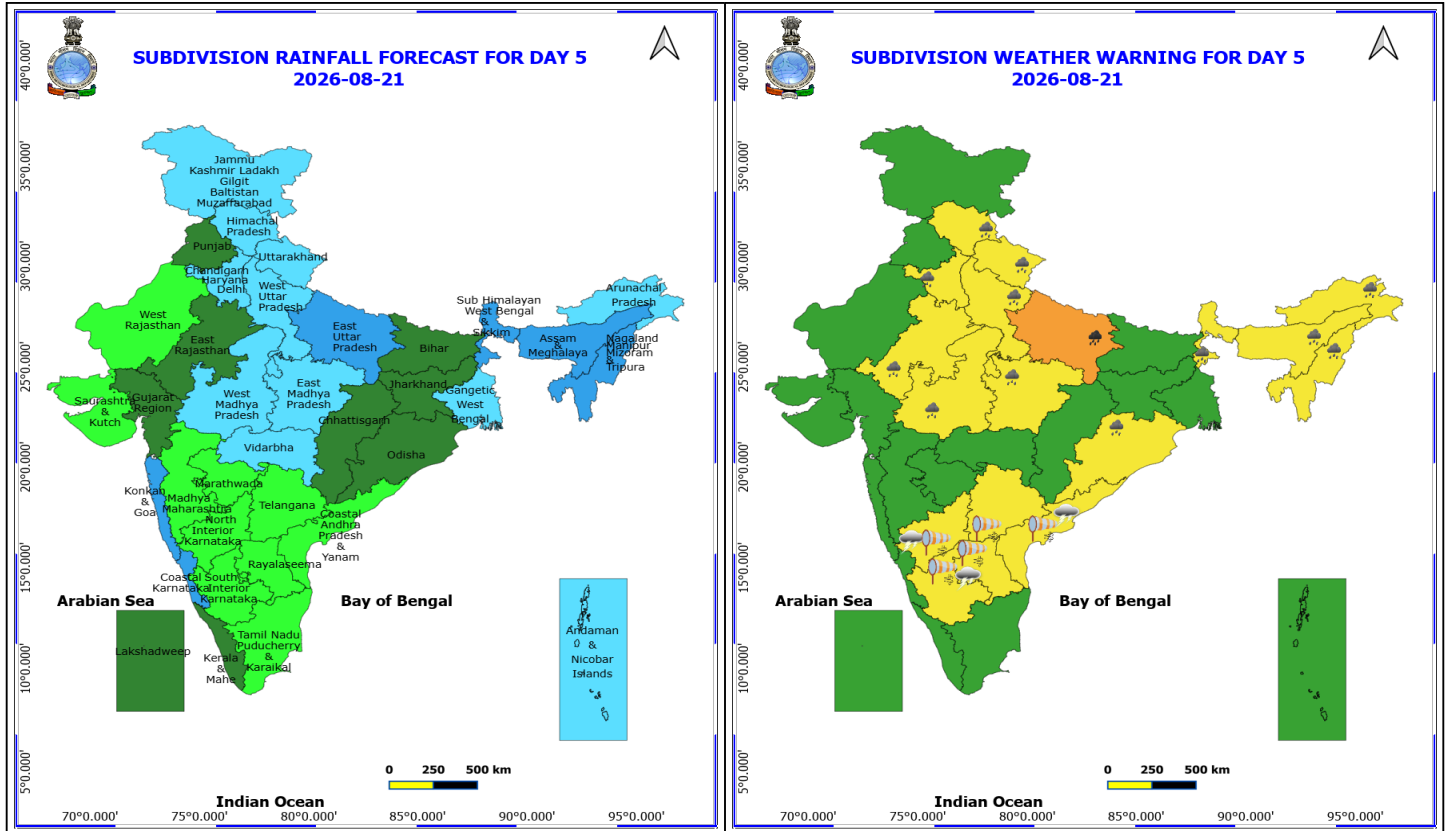
- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over East Uttar Pradesh.
- ❖ **Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Bihar, East Rajasthan, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Madhya Pradesh, Nagaland, Manipur,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

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21 August (Day 5)

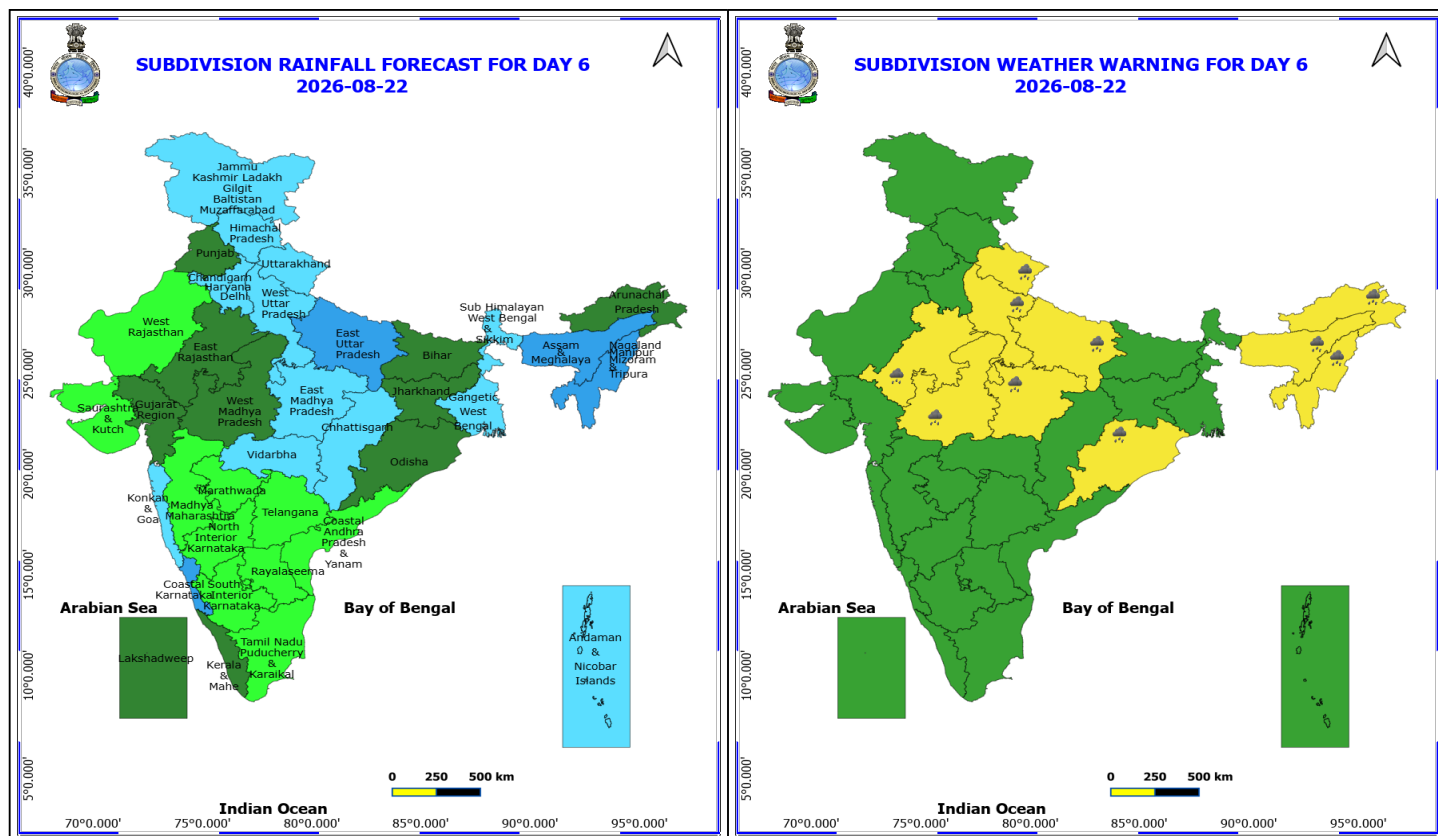
- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over East Uttar Pradesh.
- ❖ **Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, East Rajasthan, Haryana, Chandigarh & Delhi, Himachal Pradesh, Madhya Pradesh, Nagaland, Manipur, Mizoram and Tripura, Odisha,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

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22 August (Day 6)

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

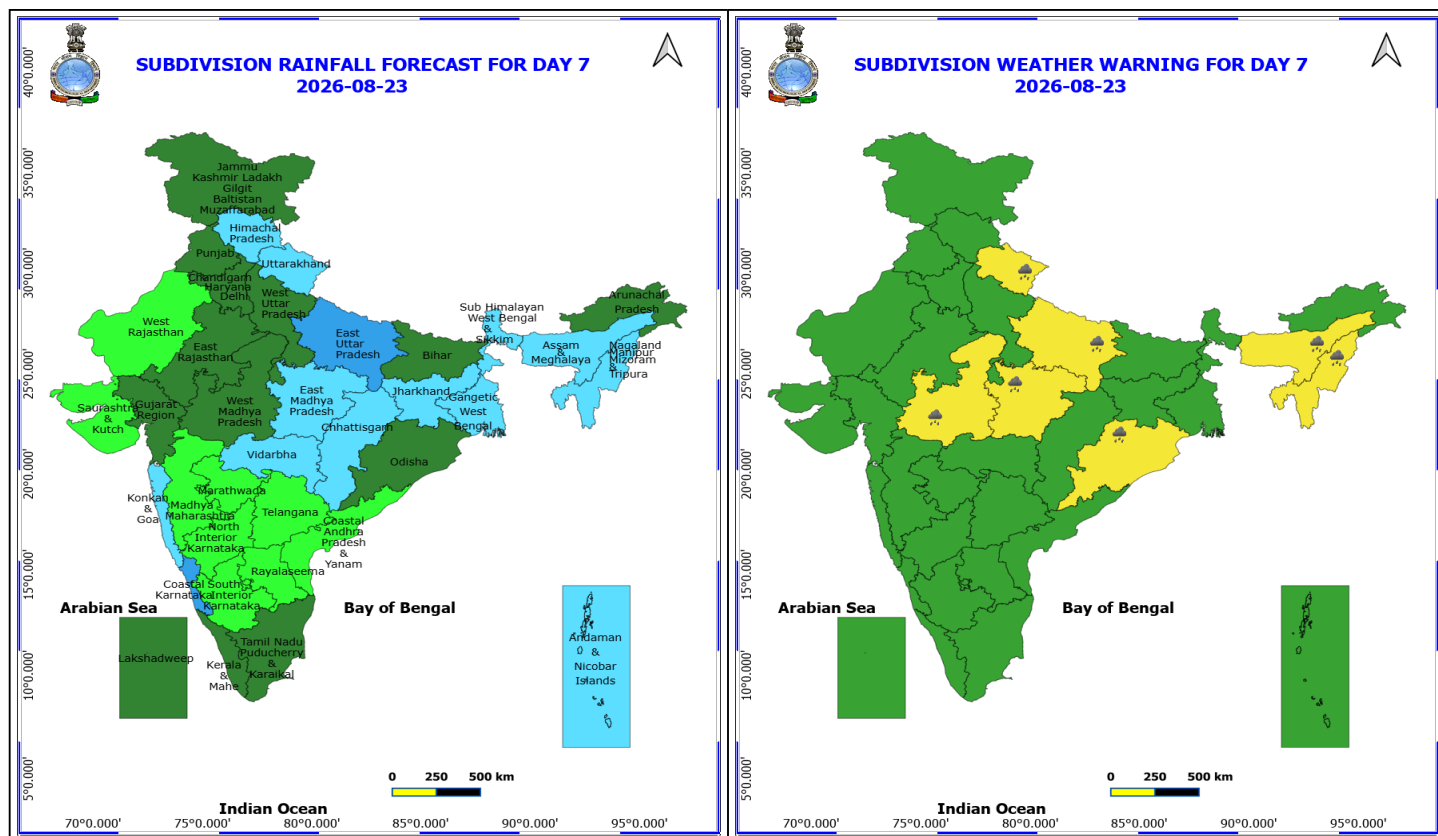
No Fishermen Warning

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23 August (Day 7)

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

No Fishermen Warning

Flash Flood Warnings

24 hours Outlook for the Flash Flood Risk (FFR) till 1730 IST of 18-08-2026 :

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

Gangetic West Bengal - Bankura, East Midnapore, Howrah, Nadia, North 24 Parganas, Purulia, South 24 Parganas and West Midnapore districts.

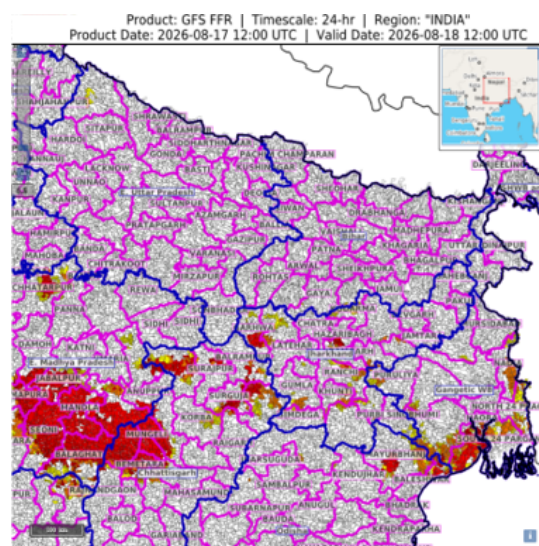
Odisha – Baleshwar and Mayurbhanj, districts.

Jharkhand - Dhanbad, East Singhbhum, Garhwa, Gumla, Hazaribag, Khunti, Palamu, Ranchi, Seraikela-Kharsawan, Simdega and West Singhbhum districts.

Chhattisgarh -Balampur, Bilaspur, Baloda Bazar, Bemetara, Jashpur, Kabirdham, Kawardha, Korba, Kores, Mungeli, Surajpur and Surguja districts.

East Madhya Pradesh - Anuppur, Balaghat, Chhatarpur, Damoh, Dindori, Jabalpur, Katni, Mandla, Narsinghpur, Sagar, Seoni, Shahdol, Sidhi and Umaria 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.



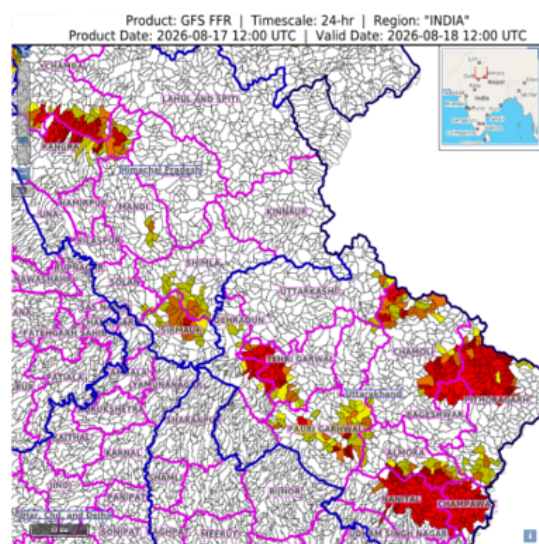
24 hours Outlook for the Flash Flood Risk (FFR) till 1730 IST of 18-08-2026 :

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

Himachal Pradesh – Chamba, Kangra, Mandi and Sirmour districts.

Uttarakhand - Dehradun, Tehri Garwal, Pauri Garwal, Chamoli, Pithoragarh, Almora, Chamoli, Champawat and Nainital 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	17- Aug	18- Aug	19- Aug	20- Aug	21- Aug	22- Aug	23- Aug
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	FWS	FWS	FWS	FWS	FWS	FWS	FWS
2	ARUNACHAL PRADESH	FWS	FWS	FWS	FWS	FWS	SCT	SCT
3	ASSAM & MEHGHALAYA	WS	FWS	FWS	FWS	WS	WS	FWS
4	N. M. M. & T.	WS	FWS	FWS	WS	WS	WS	FWS
5	S.H. WEST BENGAL & SIKKIM	WS	WS	WS	WS	WS	FWS	FWS
6	GANGETIC WEST BENGAL	WS	WS	FWS	FWS	FWS	FWS	FWS
7	ODISHA	WS	FWS	FWS	FWS	SCT	SCT	SCT
8	JHARKHAND	WS	WS	FWS	SCT	SCT	SCT	FWS
9	BIHAR	FWS	WS	FWS	SCT	SCT	SCT	SCT
10	EAST UTTAR PRADESH	WS	WS	FWS	FWS	WS	WS	WS
11	WEST UTTAR PRADESH	FWS	SCT	SCT	SCT	FWS	FWS	SCT
12	UTTARAKHAND	FWS	WS	WS	FWS	FWS	FWS	FWS
13	HARYANA, CHD & DELHI	SCT	FWS	SCT	SCT	FWS	FWS	SCT
14	PUNJAB	SCT	FWS	SCT	SCT	SCT	SCT	SCT
15	HIMACHAL PRADESH	FWS	WS	WS	FWS	FWS	FWS	FWS
16	JAMMU AND KASHMIR AND LADAKH	WS	WS	WS	FWS	FWS	FWS	SCT
17	WEST RAJASTHAN	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
18	EAST RAJASTHAN	ISOL	ISOL	ISOL	SCT	SCT	SCT	SCT
19	WEST MADHYA PRADESH	FWS	FWS	FWS	FWS	FWS	SCT	SCT
20	EAST MADHYA PRADESH	WS	WS	WS	FWS	FWS	FWS	FWS
21	GUJRAT REGION	FWS	SCT	SCT	SCT	SCT	SCT	SCT
22	SAURASHTRA & KUTCH	SCT	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
23	KONKAN & GOA	WS	WS	WS	WS	WS	FWS	FWS
24	MADHYA MAHARASHTRA	SCT	SCT	SCT	ISOL	ISOL	ISOL	ISOL
25	MARATHWADA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
26	VIDARBHA	WS	WS	SCT	SCT	FWS	FWS	FWS
27	CHATTISGARH	WS	WS	FWS	SCT	SCT	FWS	FWS
28	COASTAL ANDHRA PRADESH	SCT	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
29	TELANGANA	SCT	SCT	ISOL	ISOL	ISOL	ISOL	ISOL
30	RAYALASEEMA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
31	TAMILNADU & PUDUCHERRY	SCT	SCT	SCT	ISOL	ISOL	ISOL	SCT
32	COSTAL KARNATAKA	WS	WS	WS	WS	WS	WS	WS
33	NORTH INTERIOR KARNATAKA	ISOL	SCT	SCT	SCT	ISOL	ISOL	ISOL
34	SOUTH INTERIOR KARNATAKA	ISOL	SCT	SCT	SCT	ISOL	ISOL	ISOL
35	KERALA	FWS	WS	FWS	FWS	SCT	SCT	SCT
36	LAKSHDWEEP	FWS	WS	FWS	FWS	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 2026-08-17

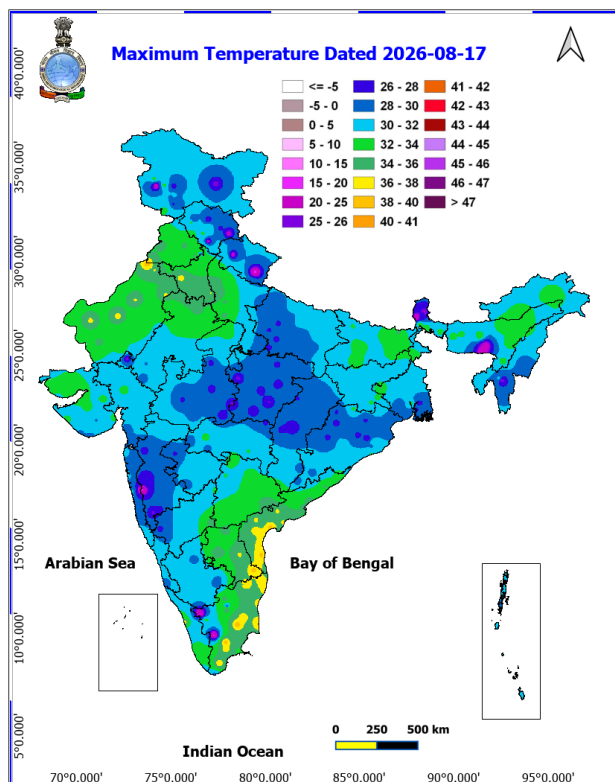


Fig. 2: Departure of Maximum Temp. Dated 2026-08-17

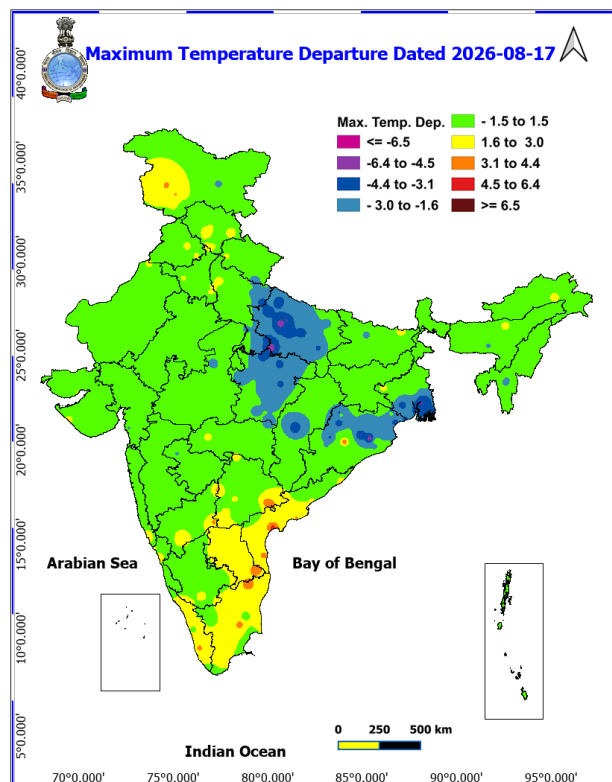


Fig. 3: Minimum Temperatures Dated 2026-08-17

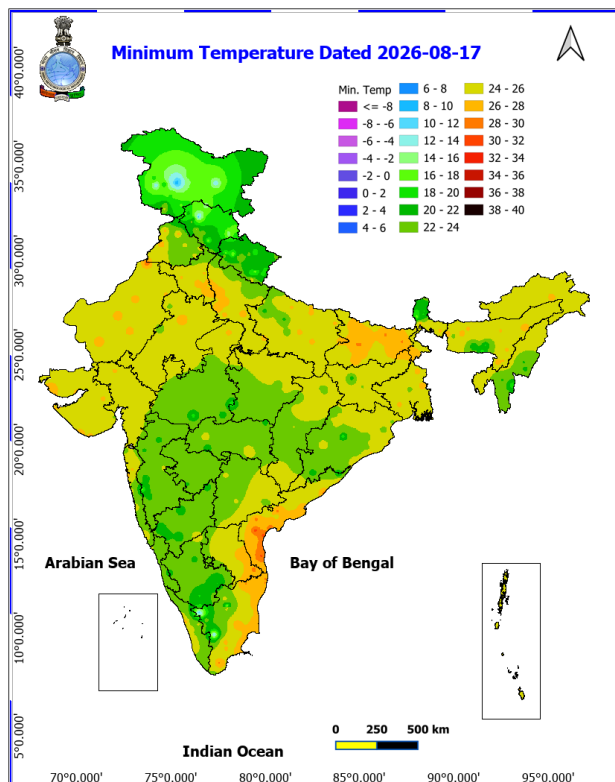
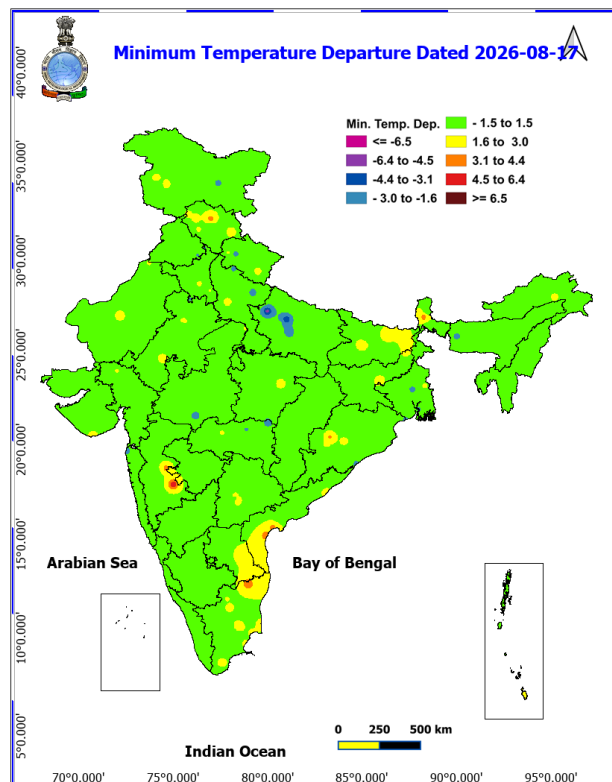
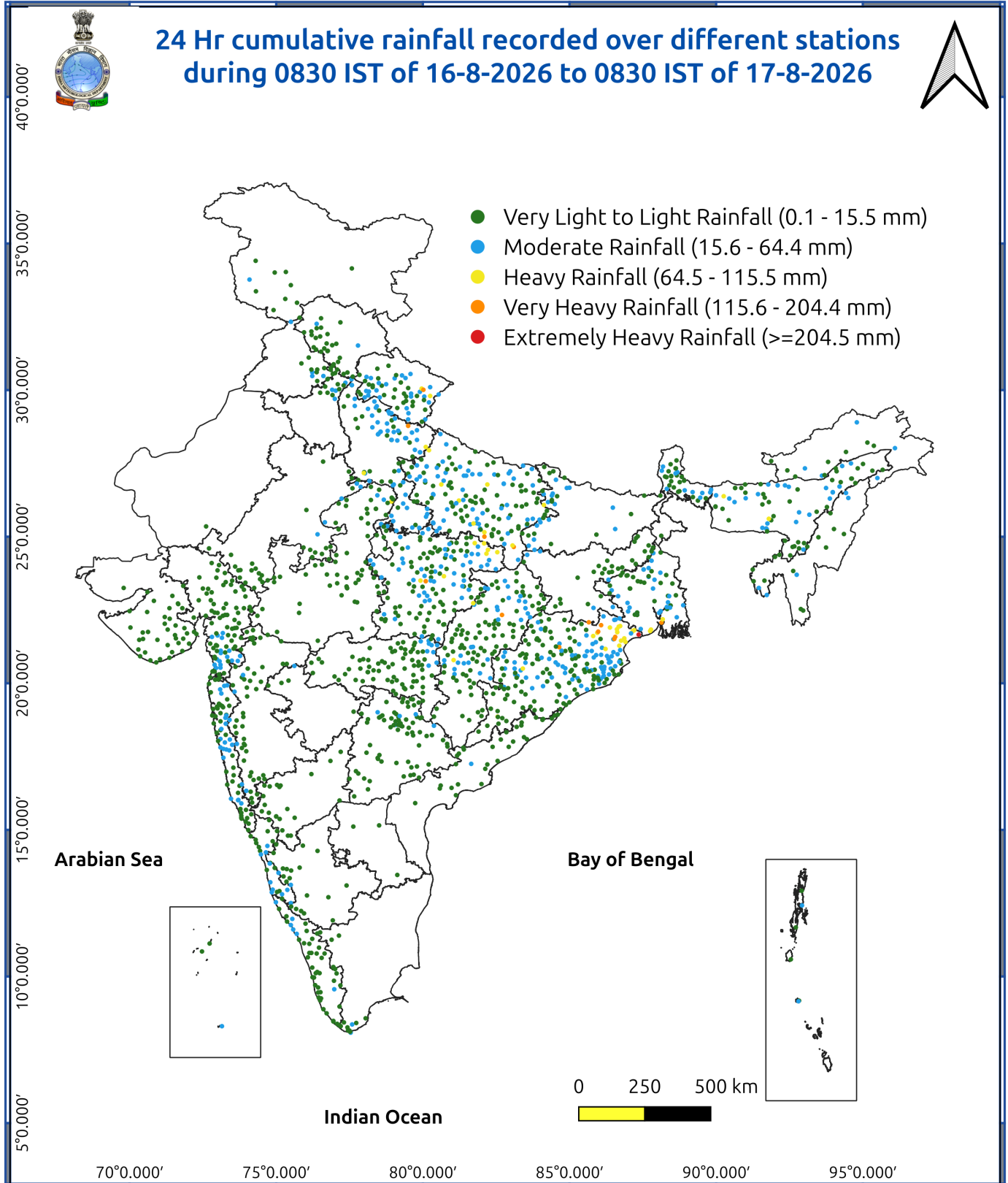


Fig. 4: Departure of Minimum Temp. Dated 2026-08-17





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Impact and Actions

Impact Expected and Action Suggested due to very heavy rainfall:

- Isolated extremely heavy rainfall likely over Chhattisgarh, Odisha, Gangetic West Bengal on 17th and Jharkhand on 18th August.
- Moderate to severe lightning activity over Bihar on 17th August.

Impact expected:

- Breaking of tree branches, uprooting of small trees like banana, papaya, drum sticks. Strong wind and rain may damage plantation, horticulture and standing crops.
- Partial damage to vulnerable structures due to strong winds and rain.
- Minor damage to kutchha houses/walls, huts and roads due to heavy rain.
- Loose objects may fly.
- Small ships, trawlers and boats may be affected.
- Road and rail traffic may be affected due to heavy rain and squally winds.
- There could be localised landslides, mudslides, landslips, water logging, inundation and flooding over low lying areas.
- Occasional reduction in visibility due to heavy rainfall.
- Helicopter services may get affected.

Action suggested:

- People are advised to keep a watch on the weather for worsening conditions and be ready to move to safer places accordingly.
- Take safe shelters; do not take shelter under trees, as there could be lightning.
- In case of expected lightning, unplug electrical/ electronic appliances, immediately, get out of water bodies and keep away from all the objects that conduct electricity.
- Tourism and recreational activities to be regulated.
- Onshore and offshore activities to be judiciously regulated.
- Helicopter services to be regulated.

Agromet advisories for various parts of the country

Agromet advisories for likely impact of Heavy Rainfall:

- In **West Bengal**, maintain continuous and effective drainage in Aman rice, jute, rice nurseries and vegetable fields and remove excess water from low-lying areas. Keep drainage channels clear and strengthen bunds around rice nurseries to prevent flooding. Avoid fertilizer and pesticide application during rainfall and harvest mature jute, tea leaves and vegetables wherever field conditions permit, keeping the produce in a safe and dry place..
- In **Odisha**, ensure continuous and effective drainage of excess water from kharif rice, maize, pulses, cotton, pigeon pea, banana, vegetable fields and nursery beds. Keep field drains, outlets and bunds clear and functional. In waterlogged areas, postpone sowing/re-sowing of maize and green gram and prevent water stagnation in pearl millet. Provide staking/support to vegetables, banana, papaya and young horticultural plants. Protect tomato, chilli and brinjal nurseries with polythene sheets and postpone rice and horticultural crop transplanting in waterlogged fields until suitable soil conditions are restored.
- In **Jharkhand**, maintain proper drainage in maize, pigeon pea and other standing crops and remove excess rainwater promptly. In areas where sowing of pigeon pea is not yet completed, postpone sowing until suitable soil conditions prevail. Avoid fertilizer and plant protection operations during wet conditions.
- In **Chhattisgarh**, ensure continuous and effective drainage from rice, maize, groundnut, minor millets and pulses fields and other standing crops. Provide staking to creeper vegetables such as bitter gourd, bottle gourd and other cucurbits. Postpone fresh transplantation of rice in lowland areas.
- In **Bihar**, ensure proper drainage of excess rainwater from rice, maize, pulses and other standing crop fields

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and postpone fertilizer and pesticide application during wet conditions. Continue transplanting of rice and planting of banana and yam only where field conditions permit.

- In **Uttarakhand**, maintain proper and effective drainage in rice, soybean, maize, red gram, ginger, garlic, barnyard millet, finger millet, tomato and other standing crop fields. Continue rice transplanting only where field conditions permit and delay sowing of groundnut, soybean and maize until conditions become suitable. Harvest mature tomato, French bean and potato and keep the produce in a safe, dry place.
- In **Uttar Pradesh**, drain out excess water from paddy, pigeon pea, pulses, oilseeds and vegetable fields, particularly from low-lying areas. Continue nursery raising of brinjal, chilli and early cauliflower and sowing of cucurbits and okra only where field conditions permit.
- In **Arunachal Pradesh**, maintain proper drainage in maize, finger millet, soybean, cowpea, vegetable fields and orchards to prevent waterlogging.
- In **Assam and Meghalaya**, maintain proper drainage and keep field channels clear in rice, sugarcane, soybean, pigeon pea, jute, sesame and vegetable fields and orchards. Remove excess water promptly from low-lying fields and prevent water stagnation in sugarcane. In Meghalaya, ensure drainage in maize, cowpea, okra and ginger fields and remove excess water.
- In **Nagaland, Manipur, Mizoram and Tripura**, maintain proper drainage in rice, soybean, black gram, ginger, turmeric, cole crops and vegetable fields and prevent water stagnation. Postpone fertilizer and plant protection operations during wet conditions and provide staking/support to vulnerable crops wherever required.
- In **Sikkim**, clear drainage channels in vegetable fields, orchards, rice and finger millet nurseries to prevent waterlogging. Protect chilli seedlings with plastic cover from heavy rain and maintain proper drainage in rice and vegetable fields.
- In **Jammu & Kashmir**, prevent water stagnation in pulses and vegetable fields and provide proper support to cucurbit plants. Ensure effective drainage in maize fields, particularly following heavy rain.
- In **Himachal Pradesh**, keep drainage channels in ginger and turmeric fields clear and functional and ensure prompt removal of excess rainwater from maize fields. Harvest mature cucumber, bottle gourd, bitter gourd, snake gourd, ridge gourd and sponge gourd wherever field conditions permit.
- In **Punjab**, maintain proper drainage in standing crop fields and avoid irrigation, fertilizer application and plant protection operations during wet conditions. Resume field operations only when soil conditions become suitable.
- In **Haryana**, maintain proper drainage in standing crop fields and promptly remove excess rainwater. Avoid irrigation, fertilizer and plant protection operations during rainfall and keep drainage channels clear.
- In **Madhya Pradesh**, maintain proper drainage in cotton, sugarcane, soybean, maize and vegetable fields and remove excess rainwater promptly. Provide staking/support to vegetables and tall crops to minimize lodging and postpone sowing of kharif vegetables until excess water drains and suitable field conditions prevail.

Agromet advisories for likely impact of Thunderstorm / Gusty Winds

- Shift the harvested produce in safer places or cover the produce with tarpaulin sheets in the fields. Tie the harvested crops securely and cover them to minimize the risk of displacement from strong surface winds.
- Provide mechanical support to horticultural crops and staking or support to vegetables and young fruit plants / fruit-bearing plants to avoid lodging due to strong winds.

Livestock / Poultry / Fisheries

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

Legends & abbreviations:

Region wise classification of meteorological Sub-Divisions:

- **Northwest India:** Western Himalayan Region (Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh and Uttarakhand); Punjab, Haryana Chandigarh & Delhi; West Uttar Pradesh, East Uttar Pradesh, West Rajasthan and East Rajasthan.
- **Central India:**

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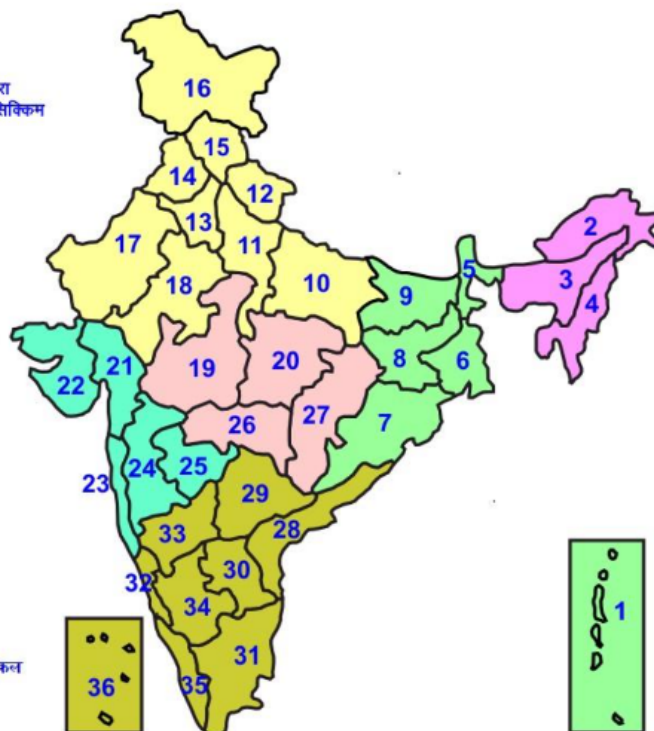


West Madhya Pradesh, East Madhya Pradesh, Vidarbha and Chhattisgarh.

- **East India:** Bihar, Jharkhand, Sub-Himalayan West Bengal & Sikkim; Gangetic West Bengal, Odisha and Andaman & Nicobar Islands.
- **Northeast India:** Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- **West India:** Gujarat Region, Saurashtra & Kutch, Coastal Maharashtra (Konkan) & Goa, Madhya Maharashtra and Marathawada.
- **South India:** Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Coastal Karnataka, North Interior Karnataka, South Interior Karnataka, Kerala & Mahe, Tamil Nadu, Puducherry & Karaikal and Lakshadweep.

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

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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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