

2026-08-16

Time of Issue: 13:34:00 hours IST
(Mid-Day)

ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

Significant Weather Features

Weather forecast and Warnings

Northwest India:

Fairly Widespread to Widespread rainfall likely over Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and Uttarakhand during 16th-22nd August.

Fairly Widespread to Widespread rainfall likely over Haryana Chandigarh & Delhi and Punjab on 18th August; West Uttar Pradesh during 16th-17th August; East Uttar Pradesh during 16th-22nd August; East Rajasthan during 20th-21st August.

Isolated to Scattered rainfall likely over rest parts of northwest India.

Isolated **thunderstorm & lightning** likely over Uttarakhand during 16th-22nd August; West Uttar Pradesh during 16th-17th August; East Uttar Pradesh during 16th-18th August.

Isolated **heavy rainfall** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 16th August; Himachal Pradesh on 16th August and during 19th-22nd August; Uttarakhand during 18th-22nd August; Haryana Chandigarh & Delhi and Punjab during 17th-18th August; West Uttar Pradesh on 18th August; East Uttar Pradesh on 19th August; East Rajasthan during 19th-21st August with isolated **very heavy rainfall** also likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 17th-19th August; Himachal Pradesh during 17th-18th August; Uttarakhand and West Uttar Pradesh during 16th-17th August; East Uttar Pradesh during 16th-18th August.

Central India:

Fairly Widespread to Widespread rainfall likely over West Madhya Pradesh on 16th August and during 19th-21st August; Chhattisgarh and East Madhya Pradesh during 16th-22nd August; Vidarbha during 16th-18th August.

Isolated to Scattered rainfall likely over central India.

Isolated **thunderstorm & lightning** likely over Vidarbha during 16th-17th August; Chhattisgarh during 16th-20th August.

Isolated **heavy rainfall** likely over West Madhya Pradesh on 16th August and on 19th August; East Madhya Pradesh during 18th-19th August and during 21st-22nd August; Chhattisgarh on 18th August with isolated **very heavy rainfall** also likely over West Madhya Pradesh during 20th-21st August; Chhattisgarh and East Madhya Pradesh during 16th-17th August.

East India:

Fairly Widespread to Widespread rainfall likely over Andaman & Nicobar Islands, Gangetic West Bengal and Sub-Himalayan West Bengal & Sikkim during 16th-22nd August; Bihar and Jharkhand during 17th-19th August; Odisha during 16th-20th August.

Isolated to Scattered rainfall likely over East India.

Isolated **heavy rainfall** likely over Sub-Himalayan West Bengal & Sikkim on 17th August; Gangetic West Bengal during 17th-18th August; Jharkhand on 16th August; Bihar during 17th-20th August; Odisha during 16th-17th August with isolated **very heavy rainfall** also likely over Sub-Himalayan West Bengal & Sikkim on 18th August; Gangetic West Bengal on 16th August; Jharkhand during 17th-18th August.

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Isolated extremely heavy rainfall likely over Odisha on 16th & 17th and Gangetic West Bengal on 17th August.

Northeast India:

Fairly Widespread to Widespread rainfall likely over Arunachal Pradesh during 16th-21st August; Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 16th-22nd August.

Isolated to Scattered rainfall likely over Arunachal Pradesh on 22nd August.

Isolated **thunderstorm & lightning** likely over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 16th-20th August.

Isolated **heavy rainfall** likely over Arunachal Pradesh on 16th August; Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 16th-22nd August with isolated **very heavy rainfall** also likely over Arunachal Pradesh during 17th-18th August.

West India:

Fairly Widespread to Widespread rainfall likely over Konkan & Goa during 16th-22nd August; Gujarat Region on 16th August.

Isolated to Scattered rainfall likely over Madhya Maharashtra, Marathawada and Saurashtra & Kutch during 16th-22nd August; Gujarat Region during 17th-22nd August.

Isolated **thunderstorm & lightning** likely over Gujarat Region on 16th August.

Isolated **heavy rainfall** likely over Konkan & Goa and Madhya Maharashtra during 16th-17th August; Gujarat Region and Marathawada on 16th 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 16th-22nd August; Kerala & Mahe and Lakshadweep during 21st-22nd August.

Fairly Widespread to Widespread rainfall likely over Kerala & Mahe and Lakshadweep during 16th-20th August; Coastal Karnataka during 16th-22nd August.

Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Coastal Andhra Pradesh & Yanam, Rayalaseema and Tamil Nadu, Puducherry & Karaikal during 16th-20th August; North Interior Karnataka on 16th August, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over South Interior Karnataka on 16th August; Telangana during 16th-18th August.

Isolated **heavy rainfall** likely over Tamil Nadu, Puducherry & Karaikal during 18th-19th August; Coastal Andhra Pradesh & Yanam on 16th August.

Strong Surface Winds likely over North Interior Karnataka and South Interior Karnataka on 16th August; Coastal Andhra Pradesh & Yanam and Rayalaseema during 16th-20th August; Telangana during 16th-18th 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 of yesterday to 0830 hours IST of today): **at most places** over Odisha, East Madhya Pradesh, Konkan & Goa, Vidarbha, Chhattisgarh, Coastal Karnataka and Lakshadweep; **at many places** over Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Gangetic West Bengal, West Uttar Pradesh, Uttarakhand, Himachal Pradesh, West Madhya Pradesh and Kerala & Mahe; **at a few places** over Nagaland, Manipur, Mizoram & Tripura, Jharkhand, East Uttar Pradesh, Punjab, East Rajasthan, Gujarat Region, Saurashtra & Kutch, Madhya Maharashtra, Coastal Andhra Pradesh & Yanam, Telangana, North Interior Karnataka and South Interior Karnataka; **at isolated places** over Sub Himalayan West Bengal & Sikkim, Bihar, Haryana-Chandigarh-Delhi, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, West Rajasthan, Marathwada, Rayalaseema and Tamil Nadu, Puducherry & Karaikal;

❖ **Significant rainfall recorded(in cm)** (from 0830 hours IST of yesterday to 0830 hours IST of today): **East Madhya Pradesh:** Umari-aws (dist Umari) 20; Karkeli (dist Umari) 19; Umariyapan (dist Katni) 10; Tendukheda (dist Damoh), Narayanganj (dist Mandla) 9 Each; Malthone (dist Sagar), Jatara (dist Tikamgarh), Bijadandi (dist Mandla) 8 Each; Badagaon Dhasan (dist Tikamgarh) 7; Malanjhand (dist Balaghat), Patan (dist Jabalpur), Batiyagarh (dist Damoh), Dheemakheda (dist Katni), Kumdam (dist Jabalpur), Shahpura (dist Jabalpur), Bakal (dist Katni), Bilaspur (dist Umari) 6 Each; **East Uttar Pradesh:** Nighasan (dist Kheri) 19; Muhammadi (dist Kheri) 14; Kheri Lakhimpur (dist Kheri) 12; Mahsi (dist Bahraich), Katarniaghat (dist Bahraich) 11 Each; Lucknow (Cr) (dist Lucknow) 10; Lucknow (hs) (dist Lucknow), Kakardharighat (dist Shrawasti) 8 Each; Bhatpurwaghat (dist Sitapur) 7; Nanpara (dist Bahraich), Trimohani Ghat Fmo (dist Maharajganj), Shardanagar (dist Kheri), Rajapur (dist Chitrakoot), Manikpur (dist Chitrakoot) 6 Each; **West Uttar Pradesh:** Rath (dist Hamirpur) 16; Bijnor (dist Bijnor) 9; Chandausi (dist Sambhal), Puwayan (dist Shahjahanpur) 8 Each; **Odisha:** Tensa (dist Sundargarh), Barkote (dist Deogarh), Jamankira (dist Sambalpur), Banspal (dist Keonjhar) 13 Each; Gurundia (dist Sundargarh) 12; Banaigarh (dist Sundargarh) 11; Keonjhar (dist Keonjhar), Pallahara (dist Angul), Telkoi (dist Keonjhar) 10 Each; Bhuban (dist Dhenkanal), Kutra (dist Sundargarh) 8 Each; Kuchinda (dist Sambalpur), Deogarh (dist Deogarh), Lahunipara (dist Sundargarh), Dhenkanal (dist Dhenkanal), Paradeep Cwr (dist Jagatsinghpur), Aul (dist Kendrapara), Rajnagar (dist Kendrapara), Bhapur (dist Nayagarh), Basudevpur (dist Bhadrak) 7 Each; Kendrapara (dist Kendrapara), Derabis (dist Kendrapara), Kendrapada PTO (dist Kendrapara) 6 Each; **Himachal Pradesh:** Dharmshala AWS (dist Kangra) 11; Dharmshala (dist Kangra) 10; **East Rajasthan:** Nadbai (dist Bharatpur) 11; Pachpahar SR (dist Jhalawar) 6; **West Madhya Pradesh:** Biaora (dist Rajgarh) 11; Khilchipur (dist Rajgarh) 7; Rajgarh (dist Rajgarh), Badarwas (dist Shivpuri), Maksudangarh (dist Guna) 6 Each; **Chhattisgarh:** Bhaisma (dist Korba) 9; Odagi (dist Surajpur), Lawan (dist Baloda Bazar) 8 Each; Kotadol (dist Manendragarh Bharatpur) 7; Simga (dist Baloda Bazar), Berla (dist Bemetara), Thankhamariya (dist Bemetara) 6 Each; **Uttarakhand:** Didihat (dist Pithoragarh) 9; Pantnagar (dist Udham Singh Nagar), Ukhimath (dist Rudrapur) 7 Each; Chamoli (dist Chamoli) 6; **Assam & Meghalaya:** Badatighat (dist Lakhimpur) 9; Sonari ARG (dist Charaideo) 8; Mawkyrat (dist South West Khasi Hills) 7; **Madhya Maharashtra:** Gaganbawada (dist Kolhapur) 7; Mahabaleshwar (dist Satara) 6; **Jharkhand:** Gumla Bishnupur Kvk AWS (dist Gumla) 7; **Arunachal Pradesh:** Naharlagun (dist Papumpara) 6; **Vidarbha:** Gondia AP (dist Gondia) 6; **Haryana-Chandigarh-Delhi:** Ismailabad (dist Kurukshetra) 6.

❖ **Heavy Rainfall observed** (from 0830 hours IST of yesterday to 0830 hours IST of today): **Extremely heavy rainfall** has been recorded over East Madhya Pradesh. **Very Heavy rainfall (12-20 cm)** over Uttar Pradesh, East Rajasthan and Odisha, **Heavy rainfall (7-11 cm)** over Himachal Pradesh, Uttarakhand, West Madhya Pradesh, Chhattisgarh, Jharkhand, Madhya Maharashtra and Assam.

❖ **Minimum Temperature Departures (as on 16-08-2026):** **markedly above normal(> 5.1°C)** at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Sub Himalayan West Bengal & Sikkim, East Uttar Pradesh, West Uttar Pradesh, Himachal Pradesh and West Madhya Pradesh. **appreciably above normal(3.1°C to 5.0°C)** at few places over East Madhya Pradesh; at isolated places over Andaman & Nicobar Islands, Sub Himalayan West Bengal & Sikkim, Odisha, East Uttar Pradesh, West Uttar Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, West Madhya Pradesh, Gujarat Region, Saurashtra & Kutch, Madhya Maharashtra, Coastal Andhra Pradesh & Yanam, Rayalaseema and Tamil Nadu, Puducherry & Karaikal. **above normal(1.6°C to 3.0°C)** at many places over Coastal Andhra Pradesh & Yanam; at most places over Bihar; at few places over Andaman & Nicobar Islands, Sub Himalayan West Bengal & Sikkim, Gangetic West Bengal, Uttarakhand, Haryana-Chandigarh-Delhi, Himachal Pradesh, East Rajasthan, East Madhya Pradesh and Tamil Nadu, Puducherry & Karaikal; at isolated places over Assam & Meghalaya, Odisha, Jharkhand, East Uttar Pradesh, West Uttar Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, West Rajasthan, West Madhya Pradesh, Saurashtra & Kutch, Madhya Maharashtra, Marathwada, Rayalaseema and Kerala & Mahe. **near normal(-1.5°C to 1.5°C)** at many places over Gangetic West Bengal, Odisha, East Uttar Pradesh, West Uttar Pradesh, Haryana-Chandigarh-Delhi, Punjab, Jammu-Kashmir-Ladakh-

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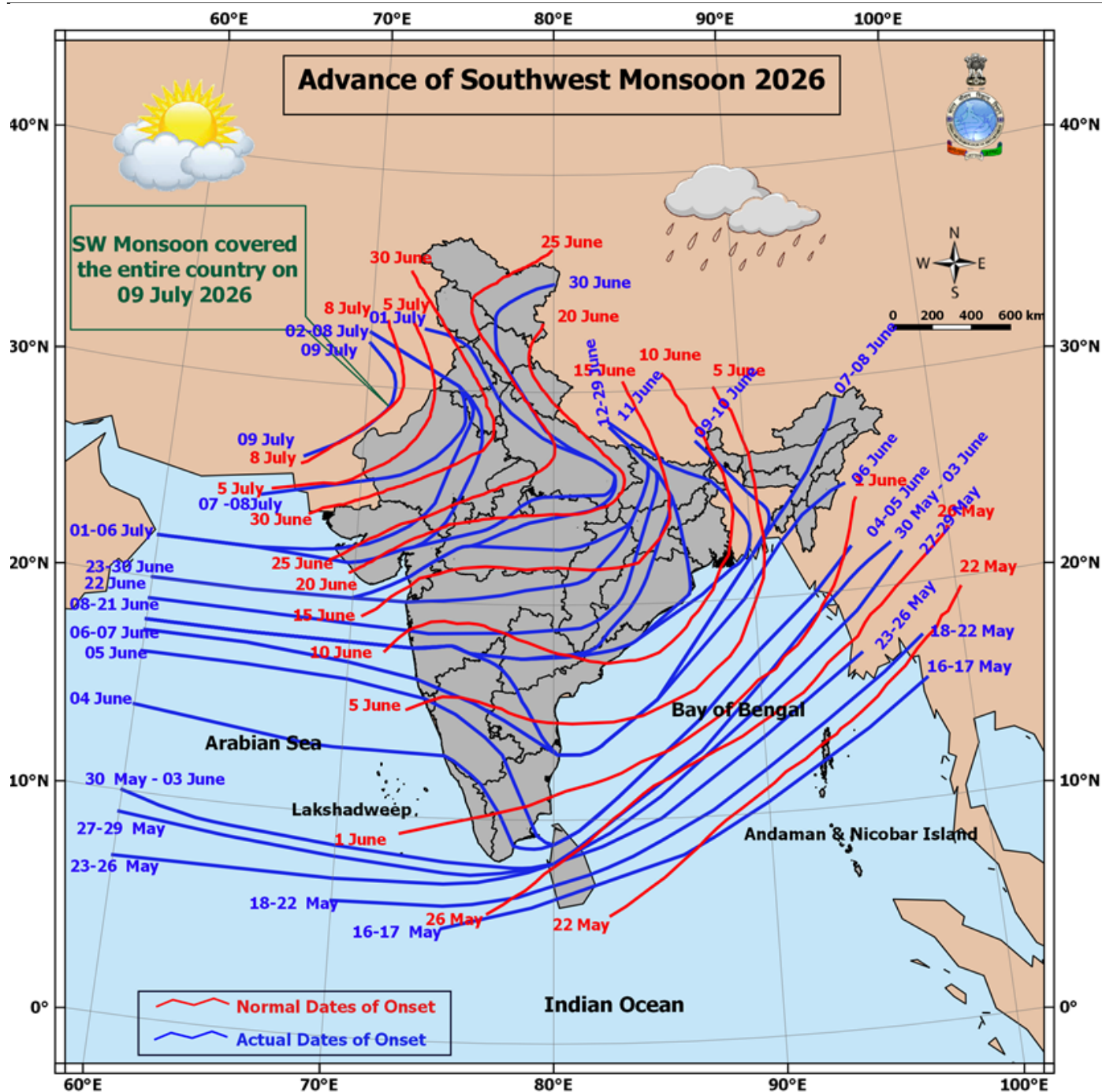
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Gilgit-Baltistan-Muzaffarabad, East Rajasthan, West Madhya Pradesh, Gujarat Region, Saurashtra & Kutch, Madhya Maharashtra, Marathwada, Rayalaseema, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe; at most places over Nagaland, Manipur, Mizoram & Tripura, Jharkhand, West Rajasthan, Konkan & Goa, Vidarbha, Chhattisgarh, Telangana, Coastal Karnataka, North Interior Karnataka, South Interior Karnataka and Lakshadweep; at few places over Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Sub Himalayan West Bengal & Sikkim, Uttarakhand, Himachal Pradesh, East Madhya Pradesh and Coastal Andhra Pradesh & Yanam; at isolated places over Bihar. **The lowest minimum temperature** of 18.8°C was reported at BOUDH (ORISSA) over the Plains of India.

❖ **Maximum Temperature Departures (as on 15-08-2026): markedly above normal(> 5.1°C)** at many places over Assam & Meghalaya; at most places over Arunachal Pradesh and Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad; at isolated places over Sub Himalayan West Bengal & Sikkim and Himachal Pradesh. **appreciably above normal(3.1°C to 5.0°C)** at isolated places over Nagaland, Manipur, Mizoram & Tripura, West Rajasthan and Coastal Andhra Pradesh & Yanam. **above normal(1.6°C to 3.0°C)** at few places over Tamil Nadu, Puducherry & Karaikal; at isolated places over Bihar, West Uttar Pradesh and Saurashtra & Kutch. **near normal(-1.5°C to 1.5°C)** at many places over Haryana-Chandigarh-Delhi and Lakshadweep; at most places over Uttarakhand and Punjab; at few places over Gangetic West Bengal and Konkan & Goa; at isolated places over Andaman & Nicobar Islands, Odisha and East Uttar Pradesh. **The highest maximum temperature** of 39.7°C was reported at TIRUCHIRAPALLI (A) (TAMIL NADU).

Meteorological Analysis (Based on 0830 hours IST)

- The **low pressure area** over Northwest Bay of Bengal and adjoining West Bengal-North Odisha coasts persisted over the same region at 0830 hrs IST of today, 16th August, 2026. The associated cyclonic circulation extends upto 7.6 km above mean sea level tilting southwestwards with height. It is very likely to move Northwestwards and become more marked during next 24 hours.
- The **Monsoon trough** at mean sea level now passes through Amritsar, Ludhiana, Moradabad Lucknow, Varanasi, centre of Low Pressure Area over Northwest Bay of Bengal and adjoining West Bengal-North Odisha coasts & thence southeastwards to Eastcentral Bay of Bengal.
- The **Shear Zone** roughly along Lat. 22°N across central & adjoining north Peninsular India persist and lies between 4.5 & 7.6 km above mean sea level.
- The **upper air cyclonic circulation** over North Haryana & neighbourhood lies over Northwest Uttar Pradesh at 0.9 km above mean sea level.
- An **upper air cyclonic circulation** lies over Southeast Uttar Pradesh & neighbourhood at 3.1 km above mean sea level.
- The **upper air cyclonic circulation** over southwest Rajasthan & neighbourhood lies over Gujarat state at 3.1 km above mean sea level.
- An **upper air cyclonic circulation** lies over Jammu Division & neighbourhood at 5.8 km above mean sea level.
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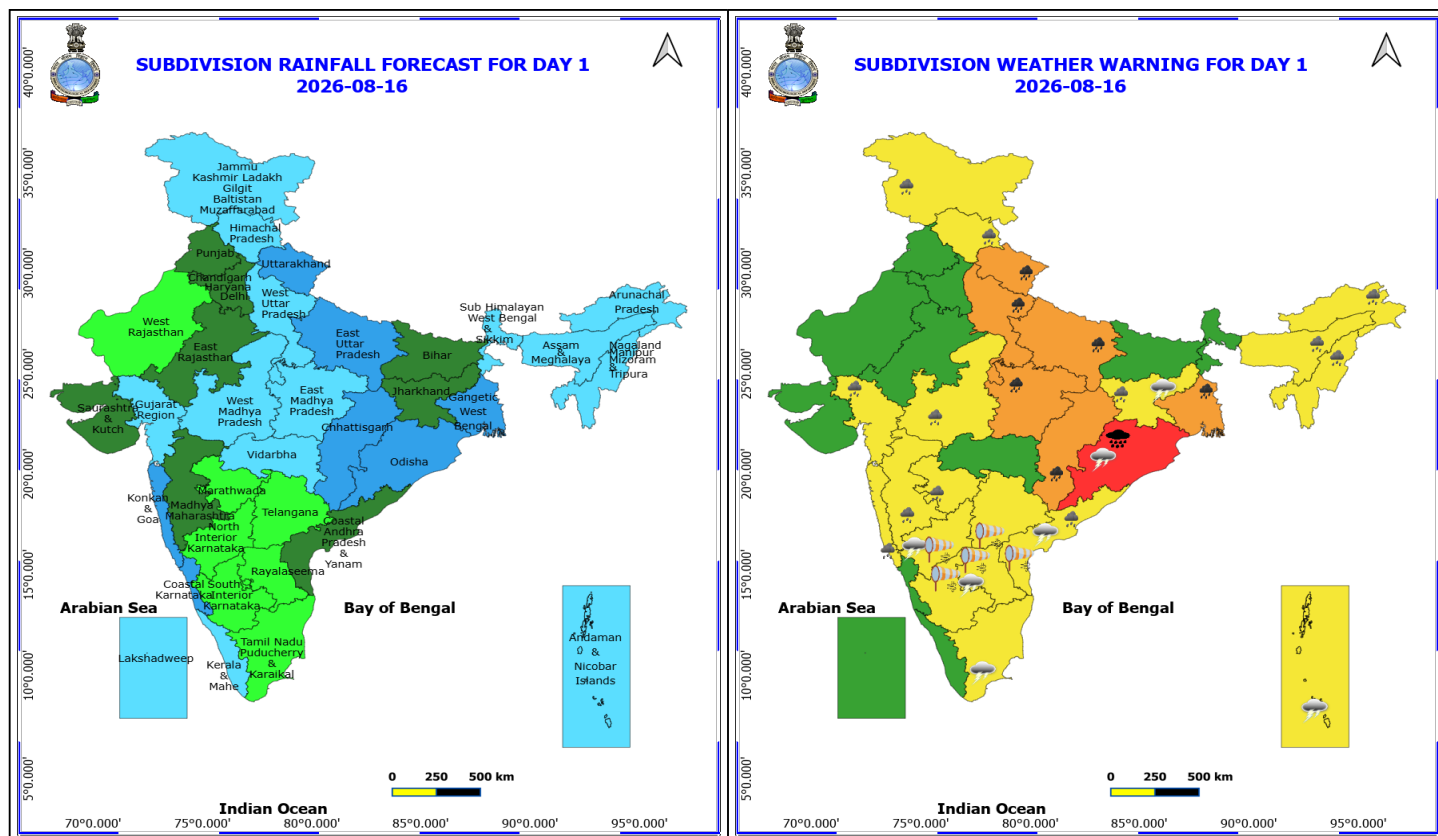


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16 August (Day 1)

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

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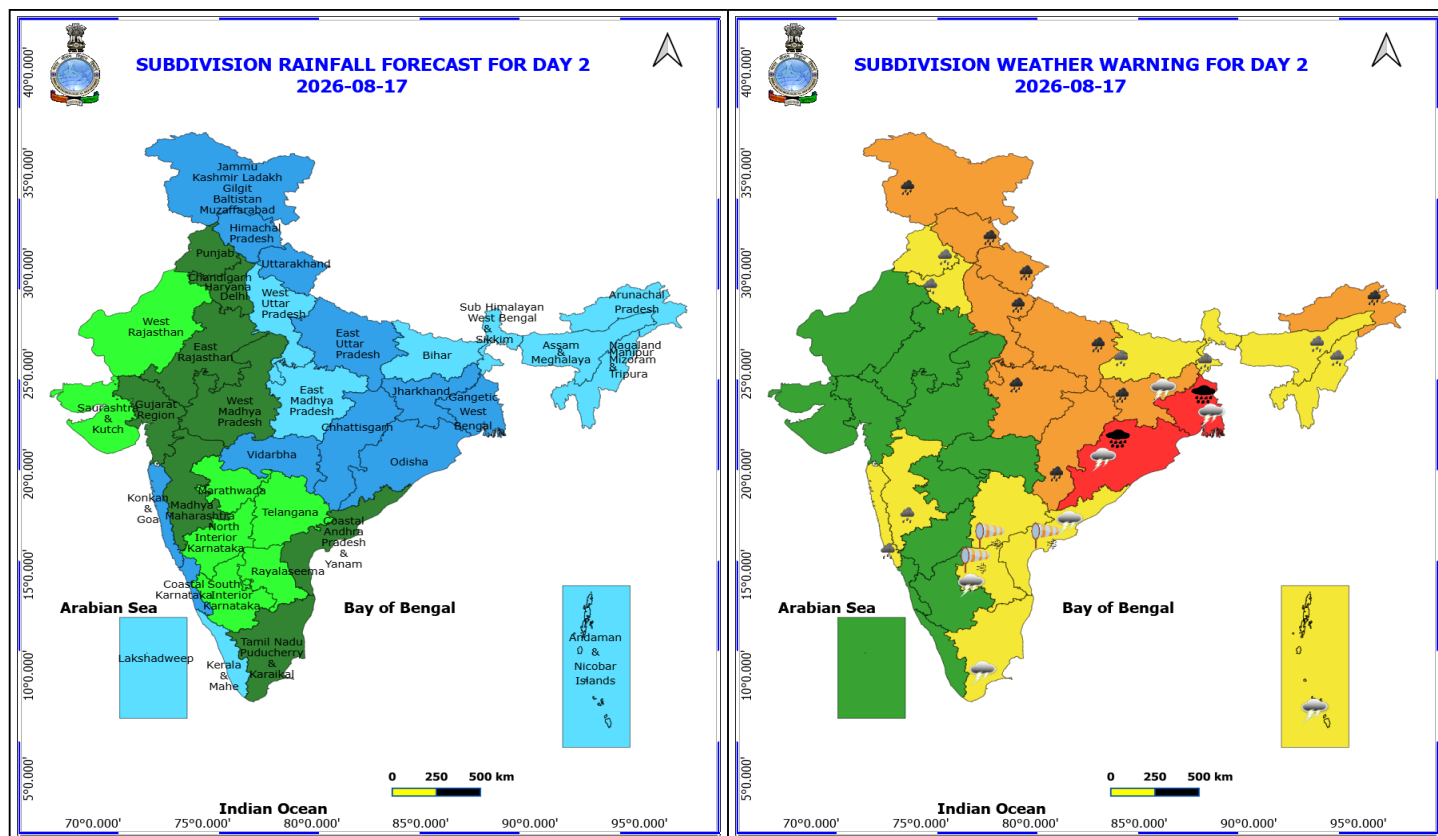
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and Oman coast, most parts of westcentral Arabian Sea and some parts of southwest Arabian sea adjoining few parts of northwest Arabian Sea

❖ **Bay of Bengal:** Squally wind with speed 45-55 kmph gusting to 65 kmph is likely to prevail over few parts of southwest Bay of Bengal adjoining south Sri Lanka coast, few parts of Comorin area.

❖ Squally Weather with wind speed 40-50 kmph gusting to 60 kmph is likely to prevail along and off West Bengal, Odisha, North Andhra Pradesh and Bangladesh coasts, over northwest adjoining some parts of westcentral Bay of Bengal and over Andaman



17 August (Day 2)

- ❖ **Heavy to Very Heavy Rainfall with isolated Extremely Heavy Rainfall** very likely at isolated places over Gangetic West Bengal and Odisha.
- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Arunachal Pradesh, Chhattisgarh, East Madhya Pradesh, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Jharkhand, Uttar Pradesh and Uttarakhand.
- ❖ **Heavy Rainfall** very likely at isolated places over Assam & Meghalaya, Bihar, Haryana, Chandigarh & Delhi, Konkan & Goa, Madhya Maharashtra, Nagaland, Manipur, Mizoram and Tripura, Punjab and Sub Himalayan West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Andaman & Nicobar Islands, Andhra Pradesh, Gangetic West Bengal, Jharkhand, Odisha and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Bihar, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Madhya Pradesh, 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, Uttar Pradesh, Uttarakhand and Vidarbha.
- ❖ **Strong Surface Winds** very likely at isolated places over Andhra Pradesh 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, most parts of westcentral adjoining some parts of southwest, north and eastcentral

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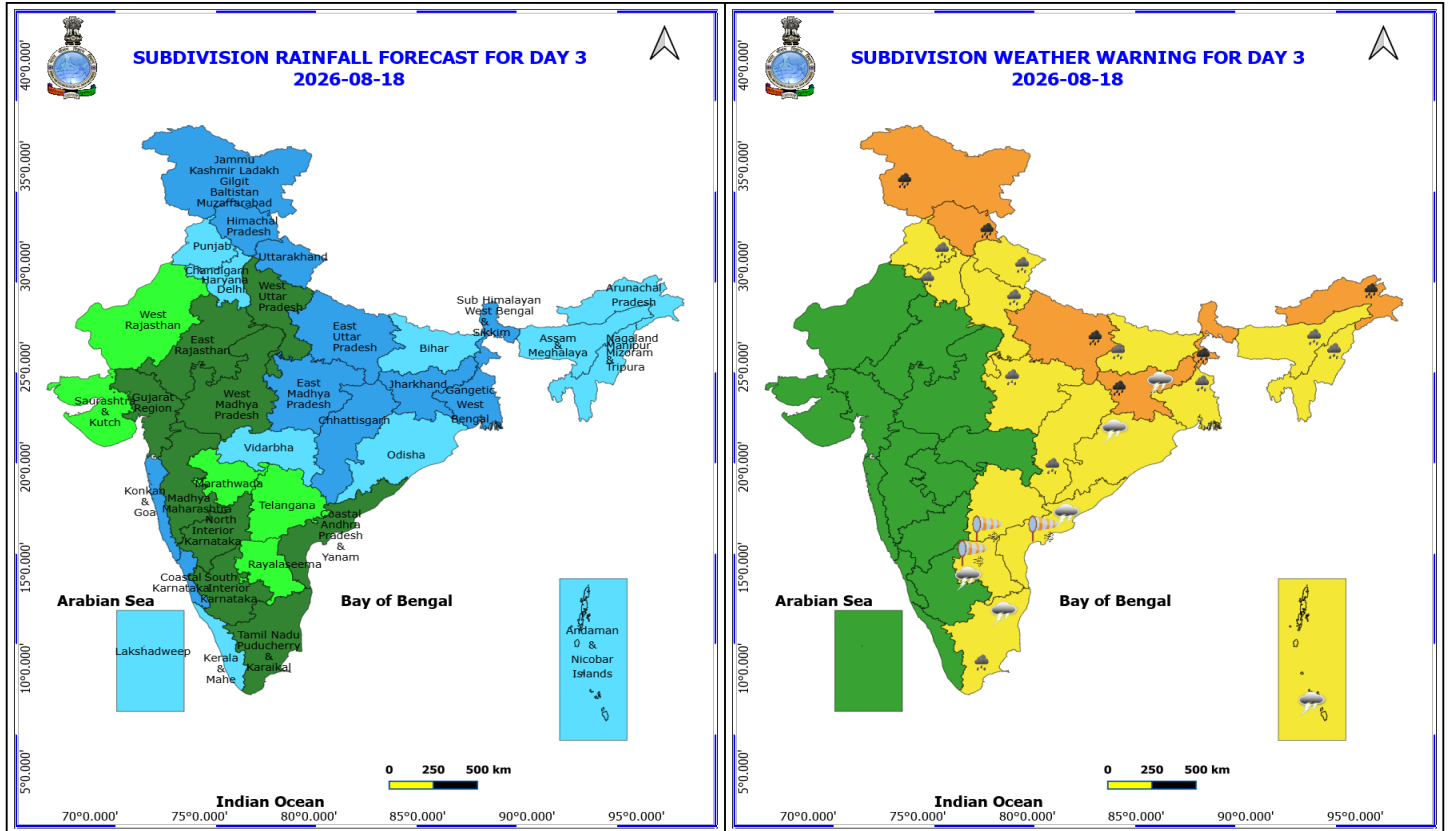
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Arabian Sea.

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



18 August (Day 3)

- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Arunachal Pradesh, East Uttar Pradesh, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Jharkhand and Sub Himalayan West Bengal & Sikkim.
- ❖ **Heavy Rainfall** very likely at isolated places over Assam & Meghalaya, Bihar, Chhattisgarh, East Madhya Pradesh, Gangetic West Bengal, Haryana, Chandigarh & Delhi, Nagaland, Manipur, Mizoram and Tripura, Punjab, Tamil Nadu Puducherry & Karaikal, Uttarakhand and West Uttar Pradesh.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Andaman & Nicobar Islands, Andhra Pradesh, Jharkhand, Odisha and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Bihar, East Rajasthan, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Madhya Pradesh and Telangana.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Chhattisgarh, East Uttar Pradesh, Nagaland, Manipur, Mizoram and Tripura and Uttarakhand.
- ❖ **Strong Surface Winds** very likely at isolated places over Andhra Pradesh 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, 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 southwest Bay of Bengal adjoining south Sri Lanka coast, few parts of Comorin area.

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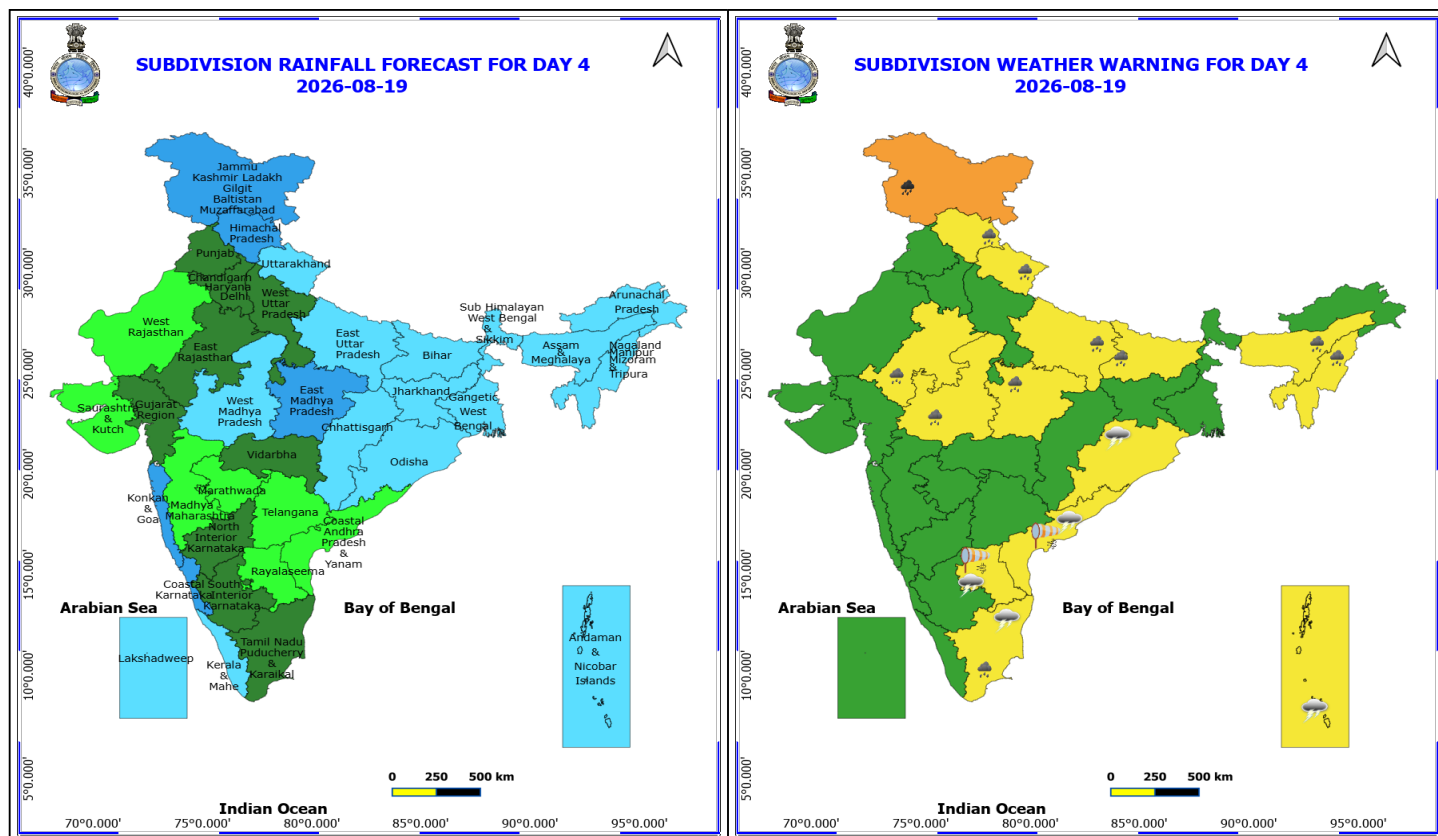
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❖ Squally Weather with wind speed 40-50 kmph gusting to 60 kmph is likely to prevail along and off West Bengal, Odisha, and Bangladesh coasts and off North Andhra Pradesh coast, over northwest adjoining some parts of northeast, and few parts of central, Bay of Bengal and over Andaman Sea.



19 August (Day 4)

- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad.
- ❖ **Heavy Rainfall** likely at isolated places over Assam & Meghalaya, Bihar, East Rajasthan, East Uttar Pradesh, Himachal Pradesh, Madhya Pradesh, Nagaland, Manipur, Mizoram and Tripura, Tamil Nadu Puducherry & Karaikal and Uttarakhand.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Andaman & Nicobar Islands, Andhra Pradesh, Odisha and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over East Rajasthan, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and Madhya Pradesh.
- ❖ **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.
- ❖ **Arabian Sea:** Squally wind with speed 45-55 kmph gusting to 65 kmph is likely to prevail along and off Somalia and Oman coast, 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 southwest Bay of Bengal adjoining south Sri Lanka coast, few parts of Comorin area.
- ❖ Squally Weather with wind speed 40-50 kmph gusting to 60 kmph is likely to prevail along and off West Bengal,

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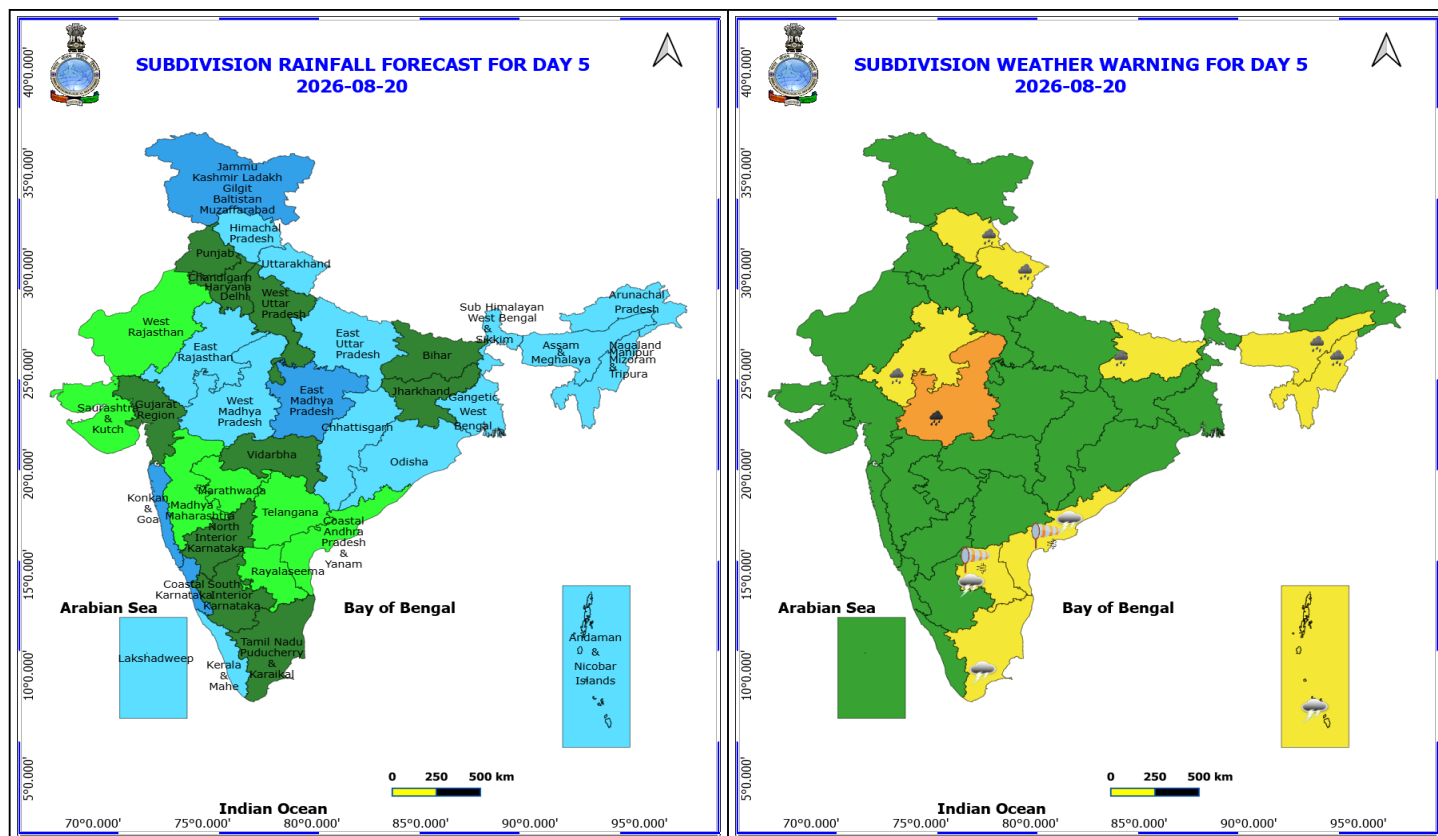
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Odisha, and Bangladesh coasts, over northwest adjoining some parts of northeast Bay of Bengal.



20 August (Day 5)

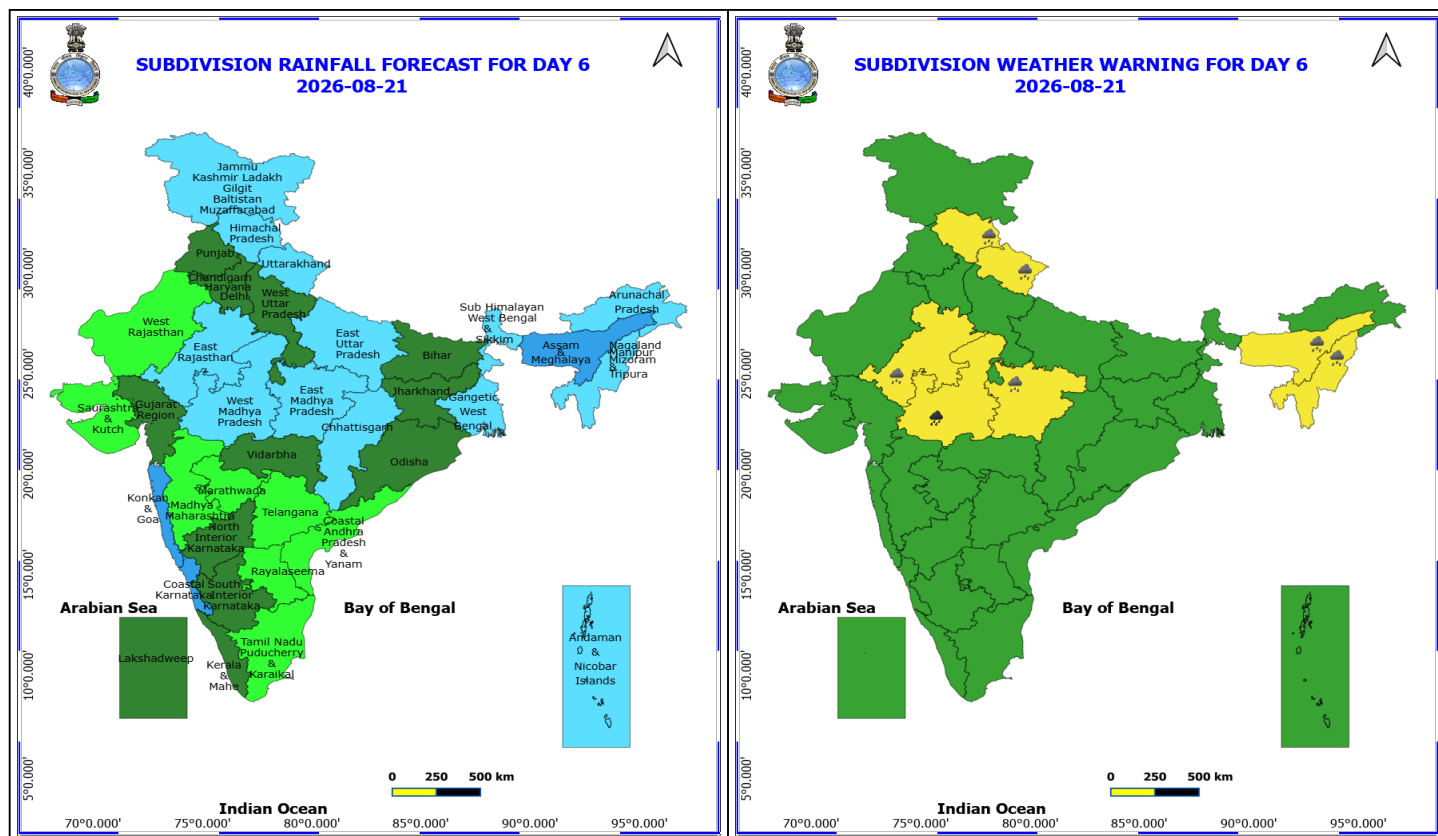
- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over West Madhya Pradesh.
- ❖ **Heavy Rainfall** likely at isolated places over Assam & Meghalaya, Bihar, East Rajasthan, Himachal Pradesh, Nagaland, Manipur, Mizoram and Tripura and Uttarakhand.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Andaman & Nicobar Islands, Andhra Pradesh and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over East Rajasthan, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and Madhya Pradesh.
- ❖ **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.
- ❖ **Arabian Sea:** Squally wind with speed 45-55 kmph gusting to 65 kmph is likely to prevail along and off Somalia and Oman coast, 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 southwest Bay of Bengal adjoining south Sri Lanka coast, few parts of Comorin area

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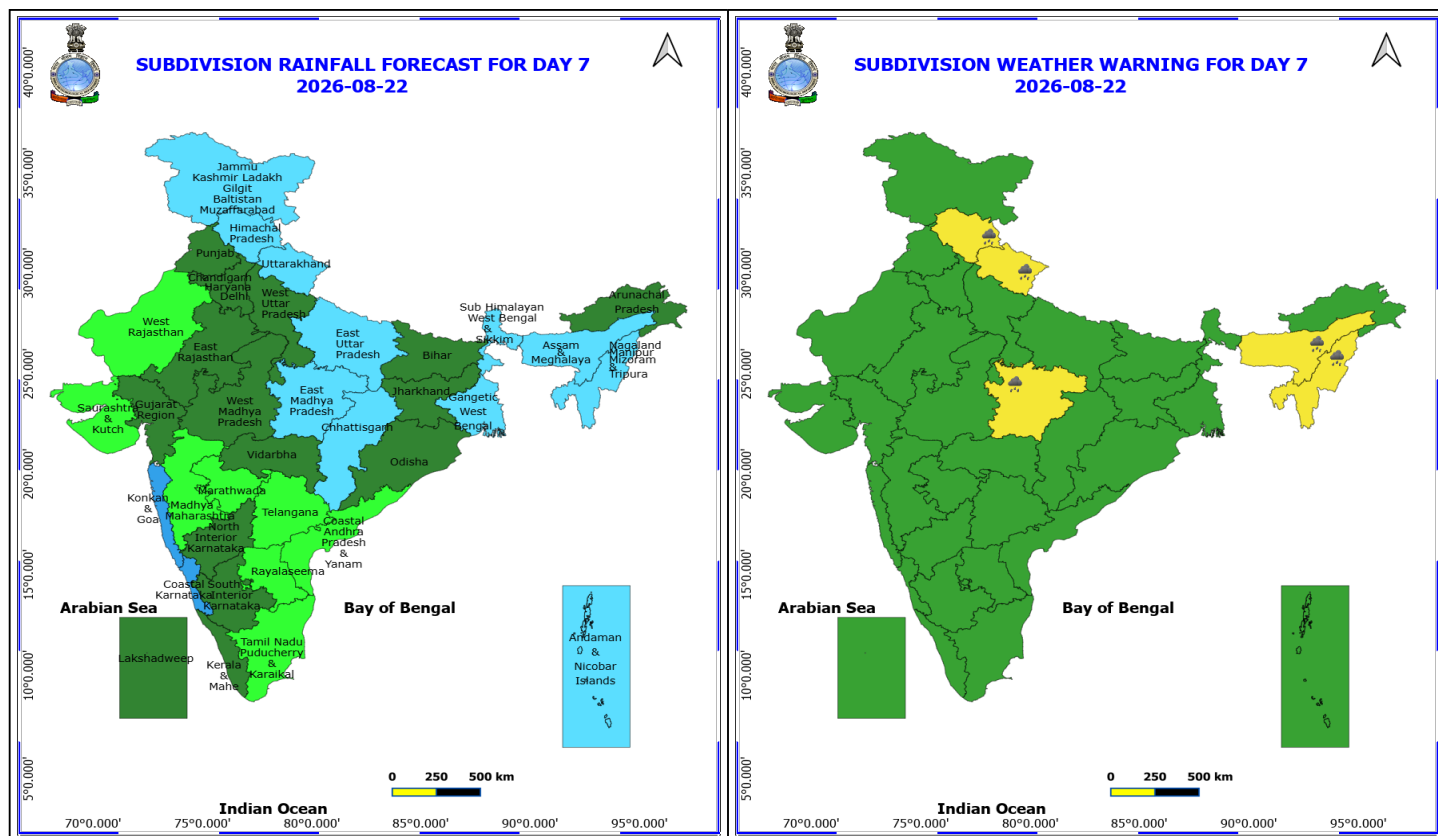
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21 August (Day 6)

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

No Fishermen Warning



22 August (Day 7)

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

No Fishermen Warning

Flash Flood Warnings

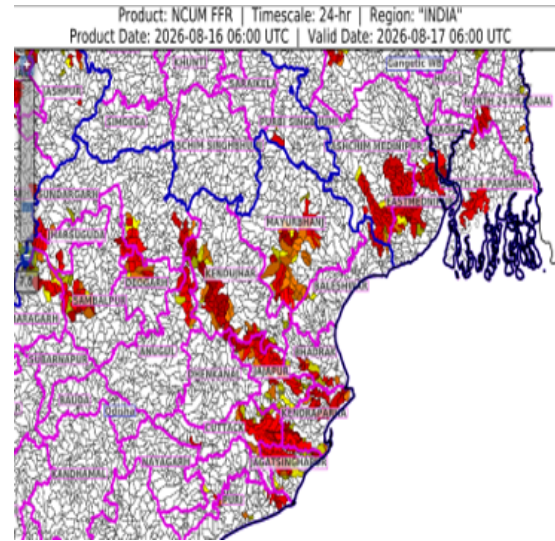
24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 17-08-2026 :

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

Odisha - Angul, Bargarh, Cuttack, Deogarh, Jagatsinghpur, Jajpur, Jharsuguda, Kendrapara, Keonjhar, Mayurbhanj, Puri and Sambalpur districts.

Gangetic West Bengal - East Midnapore, Howrah, Jhargram, North 24 Parganas, South 24 Parganas and West Midnapore 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	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	FWS	FWS	FWS	FWS	FWS	FWS	FWS
2	ARUNACHAL PRADESH	FWS	FWS	FWS	FWS	FWS	FWS	SCT
3	ASSAM & MEHGHALAYA	FWS	FWS	FWS	FWS	FWS	WS	FWS
4	N. M. M. & T.	FWS	FWS	FWS	FWS	FWS	FWS	FWS
5	S.H. WEST BENGAL & SIKKIM	FWS	FWS	WS	FWS	FWS	FWS	FWS
6	GANGETIC WEST BENGAL	WS	WS	WS	FWS	FWS	FWS	FWS
7	ODISHA	WS	WS	FWS	FWS	FWS	SCT	SCT
8	JHARKHAND	SCT	WS	WS	FWS	SCT	SCT	SCT
9	BIHAR	SCT	FWS	FWS	FWS	SCT	SCT	SCT
10	EAST UTTAR PRADESH	WS	WS	WS	FWS	FWS	FWS	FWS
11	WEST UTTAR PRADESH	FWS	FWS	SCT	SCT	SCT	SCT	SCT
12	UTTARAKHAND	WS	WS	WS	FWS	FWS	FWS	FWS
13	HARYANA, CHD & DELHI	SCT	SCT	FWS	SCT	SCT	SCT	SCT
14	PUNJAB	SCT	SCT	FWS	SCT	SCT	SCT	SCT
15	HIMACHAL PRADESH	FWS	WS	WS	WS	FWS	FWS	FWS
16	JAMMU AND KASHMIR AND LADAKH	FWS	WS	WS	WS	WS	FWS	FWS
17	WEST RAJASTHAN	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
18	EAST RAJASTHAN	SCT	SCT	SCT	SCT	FWS	FWS	SCT
19	WEST MADHYA PRADESH	FWS	SCT	SCT	FWS	FWS	FWS	SCT
20	EAST MADHYA PRADESH	FWS	FWS	WS	WS	WS	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	WS	WS
24	MADHYA MAHARASHTRA	SCT	SCT	SCT	ISOL	ISOL	ISOL	ISOL
25	MARATHWADA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
26	VIDARBHA	FWS	WS	FWS	SCT	SCT	SCT	SCT
27	CHATTISGARH	WS	WS	WS	FWS	FWS	FWS	FWS
28	COASTAL ANDHRA PRADESH	SCT	SCT	SCT	ISOL	ISOL	ISOL	ISOL
29	TELANGANA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
30	RAYALASEEMA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
31	TAMILNADU & PUDUCHERRY	ISOL	SCT	SCT	SCT	SCT	ISOL	ISOL
32	COSTAL KARNATAKA	WS	WS	WS	WS	WS	WS	WS
33	NORTH INTERIOR KARNATAKA	ISOL	ISOL	SCT	SCT	SCT	SCT	SCT
34	SOUTH INTERIOR KARNATAKA	ISOL	ISOL	SCT	SCT	SCT	SCT	SCT
35	KERALA	FWS	FWS	FWS	FWS	FWS	SCT	SCT
36	LAKSHDWEEP	FWS	FWS	FWS	FWS	FWS	SCT	SCT

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

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Fig. 1: Maximum Temperatures Dated 2026-08-15

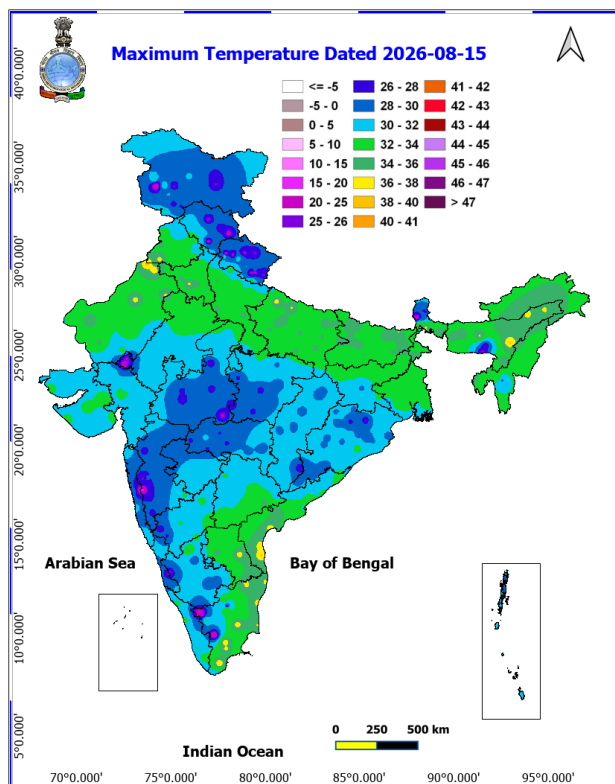


Fig. 2: Departure of Maximum Temp. Dated 2026-08-15

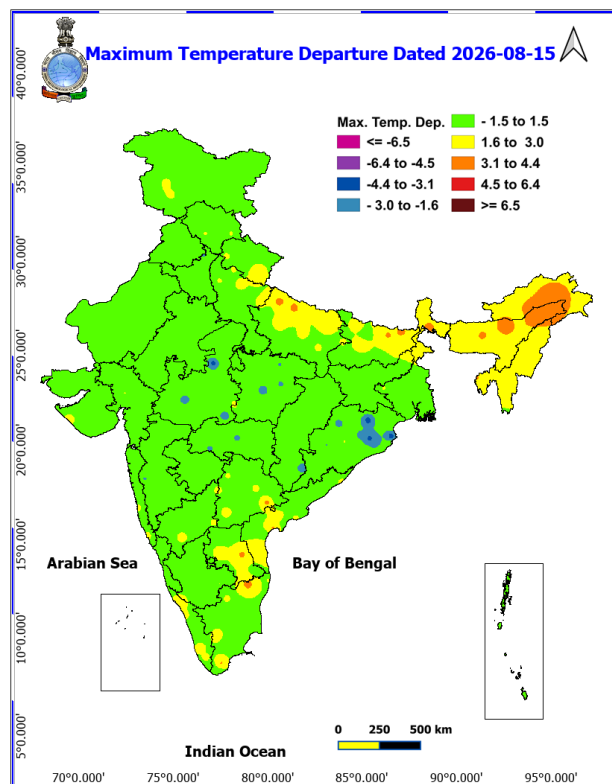


Fig. 3: Minimum Temperatures Dated 2026-08-16

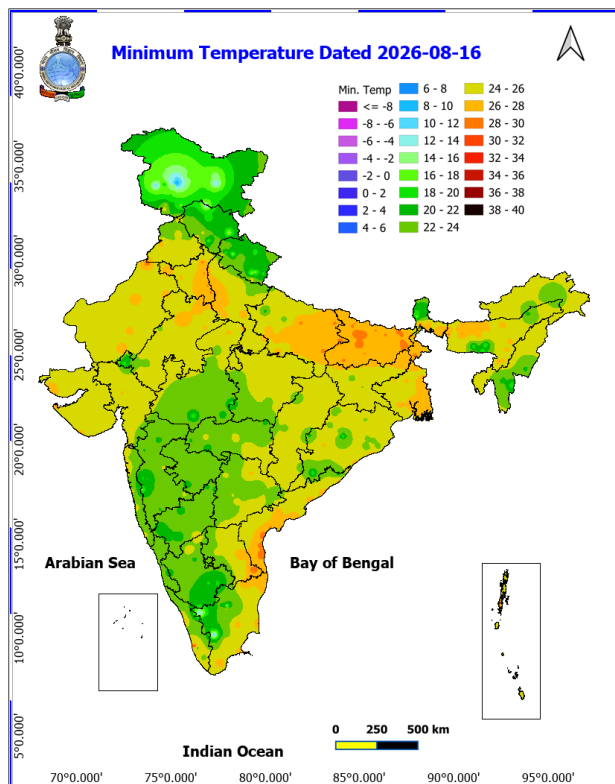
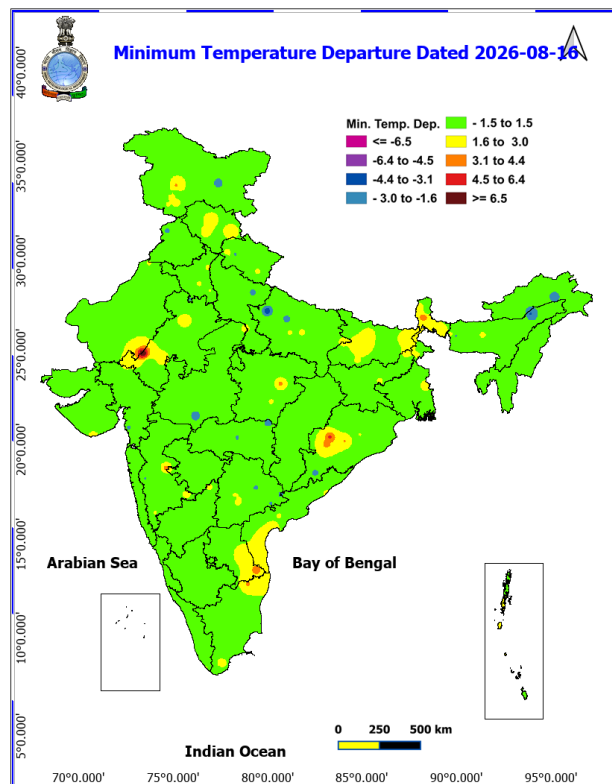
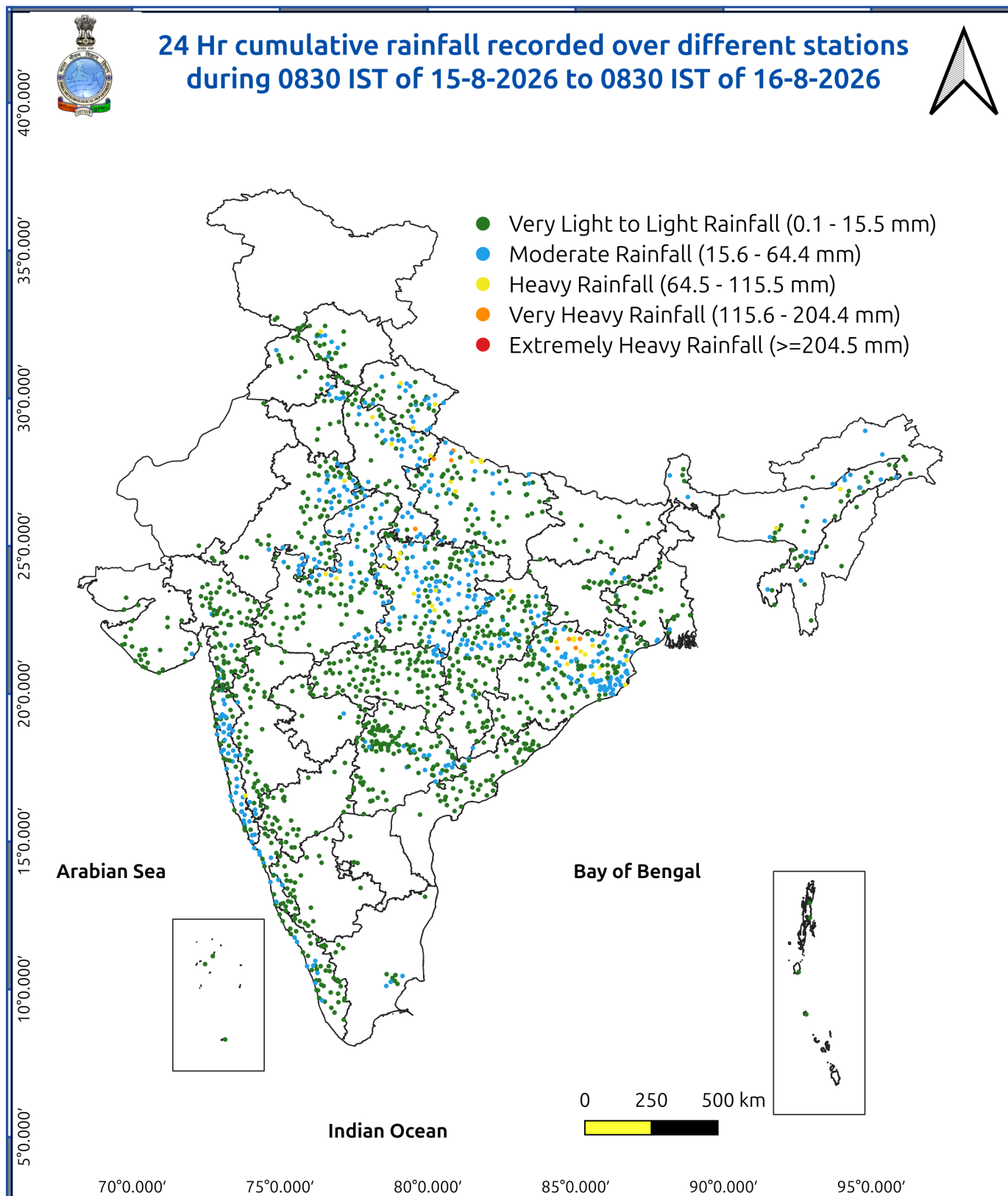


Fig. 4: Departure of Minimum Temp. Dated 2026-08-16





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Impact and Actions

Impact Expected and Action Suggested due to very heavy rainfall:

Isolated extremely heavy rainfall very likely over Odisha on 16th & 17th and Gangetic West Bengal on 17th August. Isolated **very heavy rainfall** very likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 17th-19th August; Himachal Pradesh during 17th-18th August; Uttarakhand and West Uttar Pradesh during 16th-17th August; East Uttar Pradesh during 16th-18th 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 kutcha 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 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 banana, papaya and young horticultural plants. Protect tomato, chilli and brinjal nurseries and postpone rice and horticultural crop transplanting in waterlogged fields until suitable soil conditions are restored.

In Gangetic West Bengal, maintain continuous and effective drainage in Aman rice, jute and vegetable fields and promptly 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 crops, tea leaves and vegetables wherever field conditions permit, keeping the produce in a safe and dry place.

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 from low-lying fields and prevent water stagnation in sugarcane. In Meghalaya, ensure drainage in maize, cowpea, okra and ginger fields and remove

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excess water after rainfall.

In Nagaland, Manipur, Mizoram and Tripura, maintain proper drainage in standing crop fields and prevent water stagnation in rice, soybean, black gram, ginger, turmeric, cole crops and vegetables. Postpone field operations, fertilizer and plant protection measures during wet conditions and provide staking/support to vulnerable crops wherever required.

In Andaman & Nicobar Islands, maintain proper drainage in paddy and plantation crops and remove excess water from low-lying fields. Provide support to banana and other vulnerable crops and avoid fertilizer and plant protection operations during rainfall.

In Sub-Himalayan West Bengal and Sikkim, clear drainage channels in vegetable fields, orchards, rice and finger millet nurseries to prevent waterlogging. Protect chilli seedlings from heavy rain and maintain proper drainage in rice and vegetable fields.

In Jharkhand, maintain proper drainage in maize, pigeon pea and other standing crops. In areas where sowing of pigeon pea is not yet completed, postpone sowing until suitable soil conditions prevail.

In Jammu & Kashmir, prevent water stagnation in pulses and vegetable fields and provide proper support to cucurbit plants. Ensure effective drainage in maize fields.

In Himachal Pradesh, keep drainage channels in ginger and turmeric fields clear and functional and ensure prompt removal of excess rainwater from maize fields.

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 West Uttar Pradesh, drain out excess water from 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 East Uttar Pradesh, drain out excess water from paddy and other crop fields and undertake nursery raising of brinjal, chilli and early cauliflower and sowing of cucurbits and okra only where field conditions permit.

In Bihar, ensure proper drainage of excess rainwater from crop fields 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 Punjab, maintain proper drainage in standing crop fields and avoid irrigation, fertilizer application and plant protection operations. Resume field operations only when soil conditions become suitable.

In Haryana, Chandigarh and Delhi, maintain proper drainage in standing crop fields and remove excess water promptly. Postpone irrigation, fertilizer application and plant protection operations during rainfall.

In West Madhya Pradesh, maintain proper drainage in soybean, maize, cotton, sugarcane and vegetable fields and remove excess water 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.

In East Madhya Pradesh, ensure proper drainage in standing crops and provide staking/support to vegetables and tall crops to minimize lodging. Postpone field operations and fertilizer/plant protection applications in waterlogged fields until suitable conditions return.

In Chhattisgarh, ensure proper drainage in rice, maize, groundnut, minor millets and pulses fields and other standing crop fields. Provide staking to creeper vegetables such as bitter gourd, bottle gourd and other cucurbits. Postpone

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fresh transplantation of rice in lowland areas and undertake pending sowing of black gram only after rainfall when soil conditions permit.

In Konkan and Goa, maintain proper drainage in rice, turmeric, groundnut, finger millet, proso millet, vegetable fields and orchards. Remove excess rainwater from low-lying areas and prevent water stagnation. Undertake field operations only where soil conditions permit.

In Madhya Maharashtra, drain out excess water from rice, groundnut, vegetable and other standing crop fields and keep drainage channels clear. Postpone fertilizer and plant protection operations during rainfall and resume field operations only when soil conditions become suitable.

In Coastal Andhra Pradesh, maintain proper drainage in paddy and other standing crop fields and remove excess water from low-lying areas. Provide support to banana, papaya and vegetable crops against lodging.

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

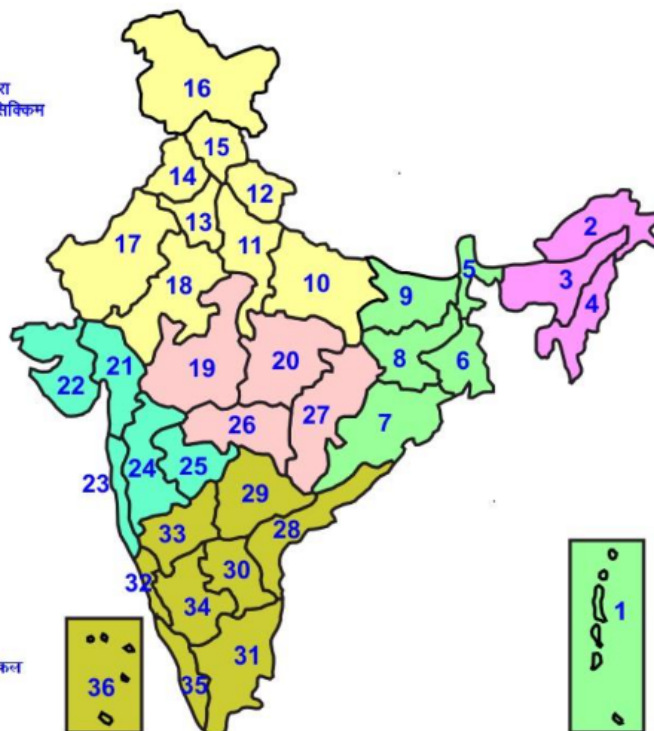
Keep the animals inside the shed during heavy rainfall and provide them balanced feed.

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

- 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)

*Red color warning does not mean "Red Alert" Red color warning means "Take Action"

Forecast and warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day

For more details kindly visit <https://mausam.imd.gov.in> or contact 011-2434-4599

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