

2025-07-02

Time of Issue: 13:22:00 hours IST
(Mid-Day)

ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

Significant Weather Features

East & Central India:

- Isolated **heavy rainfall** over Madhya Pradesh, Vidarbha, Chhattisgarh, Odisha during 02nd-08th July; Bihar, West Bengal & Sikkim, Jharkhand during 02nd-06th July with **very heavy rainfall** over Madhya Pradesh during 02nd-06th; Chhattisgarh, Odisha on 02nd, 05th & 06th July.
- Light/moderate rainfall at most/many places accompanied with **thunderstorm, lightning** likely over the region during next 7 days.

Northwest India:

- Extremely heavy rainfall (?20 cm)** very likely at isolated places over East Rajasthan on 02nd July.
- Isolated **heavy rainfall** likely over Himachal Pradesh, Uttarakhand, East Rajasthan, Haryana & Chandigarh during 02nd-08th July; East Uttar Pradesh during 02nd-06th July; Punjab, West Uttar Pradesh during 05th-08th July; West Rajasthan during 02nd-04th July; Jammu on 02nd and during 05th-08th July with **very heavy rainfall over Himachal Pradesh on during 05th-07th; Punjab, Haryana on 06th & 07th and East Rajasthan during 02nd-04th July.**
- Light/moderate rainfall at most/many places accompanied with **thunderstorm, lightning & gusty winds speed reaching 30-40 kmph** likely over Northwest India during next 7 days.

West India:

- Extremely heavy rainfall (?20 cm)** very likely at isolated places over Ghat areas of Madhya Maharashtra on 02nd July.
- Heavy to very heavy rainfall** at isolated places likely over Konkan & Goa, Ghat areas of Madhya Maharashtra, Gujarat region and **heavy rainfall** over Saurashtra & Kutch during next 7 days.

Northeast India:

- Light/moderate rainfall at most places accompanied with **thunderstorm, lightning and isolated heavy to very heavy rainfall** likely to continue over Northeast India during next 7 days with isolated extremely heavy falls over Meghalaya on 05th & 06th July.

South Peninsular India:

- Isolated **heavy rainfall** likely over Coastal Andhra Pradesh; Telangana on 02nd July; Kerala & Mahe during 02nd-05th July, Karnataka during 02nd-08th July with **very heavy rainfall** over Kerala and Karnataka on 02nd July.
- Strong surface winds** (speed reaching 40-50 kmph) very likely over South Peninsular India during next 7 days.
- Light/moderate rainfall at many/some places over Kerala & Mahe, Lakshadweep, Karnataka, Telangana; isolated to scattered rainfall accompanied with isolated **thunderstorm, lightning** over Coastal Andhra Pradesh & Yanam, Tamil Nadu, Puducherry & Karaikal and Rayalaseema during next 7 days.

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Main Weather Observations:

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

❖ **Significant rainfall recorded(in cm)** (from 0830 hours IST of yesterday to 0830 hours IST of today): **East Rajasthan:** Khanpur (dist Jhalawar) 20; Asnawar SR (dist Jhalawar), Geola SR (dist Ajmer) 18 Each; Malpura (dist Tonk) 15; Hurda SR (dist Bhilwara), Ramganjmandi SR (dist Kota) 14 Each; Sangod (dist Kota), Bhainsroadgarh SR (dist Chittorgarh), Kekri SR (dist Ajmer) 13 Each; Aklera (dist Jhalawar), Vijaynagar SR (dist Ajmer), Bijoliya SR (dist Bhilwara), Bhinay SR (dist Ajmer) 11 Each; Kota-aero (dist Kota), Masuda SR (dist Ajmer), Jhalarapatan SR (dist Jhalawar) 10 Each; Mandrayal SR (dist Karauli), Ladpura SR (dist Kota), Nasirabad (dist Ajmer) 9 Each; Bakani SR (dist Jhalawar), Sarwar (dist Ajmer) 8 Each; Manohar Thana (dist Jhalawar), Chipabarod SR (dist Baran), Deoli (dist Tonk) 7 Each; Jahazpur (dist Bhilwara), Sawar SR (dist Ajmer), Atru SR (dist Baran), Banera SR (dist Bhilwara), Arai SR (dist Ajmer), Sikrai (dist Dausa) 6 Each; **East Madhya Pradesh:** Chhapara (dist Seoni) 18; Gadarpura (dist Narsinghpur), Baihar (dist Balaghat) 7 Each; Paraspada (dist Balaghat), Tendukheda (dist Narsinghpur), Keolari (dist Seoni), Seoni (dist Seoni), Birsa (dist Balaghat), Tendukheda (dist Damoh) 6 Each; **Konkan & Goa:** Jawhar (dist Palghar) 17; Mokheda - Fmo (dist Palghar) 13; Sanguem (dist South Goa) 10; Vikramgad (dist Palghar), Sawantwadi (dist Sindhudurg), Lanja (dist Ratnagiri) 7 Each; Matheran (dist Raigad), Ponda (dist North Goa), Mulde ARG (dist Sindhudurg), Chiplun (dist Ratnagiri), Sangameshwar Devrukh (dist Ratnagiri), Kankavli (dist Sindhudurg), Savarde-arg (dist Ratnagiri), Dahanu (dist Palghar) 6 Each; **West Madhya Pradesh:** Rajgarh (dist Rajgarh) 15; Guna-aws (dist Guna) 12; Biaora (dist Rajgarh) 11; Bhanpura (dist Mandsaur) 10; Khilchipur (dist Rajgarh), Bhopal Arera Hills (dist Bhopal), Pipariya (dist Narmadapuram) 9 Each; Bairagarh Airport (dist Bhopal) 8; Vijaypur (adp) (dist Sheopur), Aron (dist Guna), Zirapur (dist Rajgarh), Karhal (dist Sheopur), Kolar (dist Bhopal) 7 Each; Sohagpur (dist Narmadapuram), Veerapur (dist Sheopur) 6 Each; **Odisha:** Kotpad (dist Koraput) 15; Jeypore (dist Koraput) 14; Similiguda (dist Koraput) 12; Koraput (dist Koraput) 11; Bhuban (dist Dhenkanal), Borigumma (dist Koraput) 9 Each; Cuttack (dist Cuttack), Rairangpur (dist Mayurbhanj) 8 Each; Dabugan (dist Nawarangpur), Kosagumda (dist Nawarangpur), Lahuni para (dist Sundargarh), Gurundia (dist Sundargarh), Nandahandi (dist Nawarangpur) 7 Each; Nawarangpur (dist Nawarangpur), Lamataput (dist Koraput), Bhapur (dist Nayagarh) 6 Each; **Gujarat Region:** Dolvan (dist Tapi) 12; Khanvel (dist Dadara & Nagar Haveli) 8; Kaprada (dist Valsad) 7; Subir (dist Dangs) 6; **South Interior Karnataka:** Agumbe Emo (dist Shivamogga) 12; **Chhattisgarh:** Raigarh (dist Raigarh) 11; Dhabhara (dist Sakti), Nangur (dist Bastar) 8 Each; Jagdalpur (dist Bastar), Tokapal (dist Bastar), Bakavand (dist Bastar), Bhairamgarh (dist Bijapur), Akaltara (dist Janjgir), Chandrapur (dist Sakti), Mukdega (dist Raigarh), Karpawand (dist Bastar) 7 Each; Gharghoda (dist Raigarh), Bastanar (dist Bastar), Bastar (dist Bastar), Poudi Uparora (dist Korba), Ramanujnagar (dist Surajpur), Sariya (dist Sarangarh Bilaigarh), Bagbhar (dist Jashpur) 6 Each; **Madhya Maharashtra:** Gaganbawada (dist Kolhapur) 10; Trimbakshwar (dist Nashik) 9; Harsul - Fmo (dist Nashik) 8; Mahabaleshwar (dist Satara), Radhanagari (dist Kolhapur) 7 Each; Peth (dist Nashik), Lonavala ARG (dist Pune) 6 Each; **Coastal Andhra Pradesh & Yanam:** Velairpad (dist Eluru) 10; Kunavaram (dist Alluri Sitharamaraju) 9; Kukunoor (dist Eluru) 8; **Coastal Karnataka:** Kadra (dist Uttara Kannada) 10; Joida (dist Uttara Kannada) 8; Gersoppa (dist Uttara Kannada) 7; Siddapura (dist Udupi) 6; **Telangana:** Palawanacha (dist B. Kothagudem), Garla (dist Mahabubabad) 9 Each; Bhadrachalam (dist B. Kothagudem), Burgampadu (dist B. Kothagudem) 8 Each; Gudurwrgl (dist Mahabubabad), Bayyaram (dist Mahabubabad), Dharmasagar (dist Hanumakonda), Gandhari (dist Kamareddy), Tekulapalle (dist B. Kothagudem) 6 Each; **Assam & Meghalaya:** Gharmura (dist Hailakandi), N.lakhimpur/Lilabari (dist Lakhimpur) 9 Each; Mawsynram (dist East Khasi Hills), Cherrapunji (dist East Khasi Hills) 7 Each; Shillong CSO (dist East Khasi Hills), Shillong AWS (dist East Khasi Hills), Cherrapunji(rkm) (dist East Khasi Hills), Amraghat (dist Cachar), Khliehriat (dist East Jaintia Hills) 6 Each; **Arunachal Pradesh:** Naharlagun (dist Papumpara) 9; **Vidarbha:** Bhamragad (dist Gadchiroli) 7; **Kerala & Mahe:** Ayyankunnu AWS (dist Cannur) 7; **East Uttar Pradesh:** Gyanpur (dist Bhadohi) 7; **Rayalaseema:** Pagidyala (dist Nandyal) 6; **Jharkhand:** Kurdeg (dist Simdega) 6; **Sub Himalayan West Bengal & Sikkim:** Indong T.e. (dist Jalpaiguri) 6; **Nagaland, Manipur, Mizoram & Tripura:** Kolasib AWS (dist Kolasib), Kolasib ARG (dist Kolasib) 6 Each.

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❖ **Heavy Rainfall observed** (from 0830 hours IST of yesterday to 0830 hours IST of today): **Heavy to very heavy rain** at isolated places over Odisha, East Rajasthan, West Madhya Pradesh, East Madhya Pradesh, Gujarat Region, Konkan & Goa and South Interior Karnataka. **Heavy rain** at isolated places over Arunachal Pradesh, Assam & Meghalaya, East Uttar Pradesh, Madhya Maharashtra, Vidarbha, Chhattisgarh, Coastal Andhra Pradesh & Yanam, Telangana, Coastal Karnataka and Kerala & Mahe.

❖ **Minimum Temperature Departures (as on 02-07-2025): markedly above normal(> 5.1°C)** at few places over Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad; at isolated places over Assam & Meghalaya, Bihar, East Uttar Pradesh, West Uttar Pradesh, Himachal Pradesh, West Madhya Pradesh and Saurashtra & Kutch. **appreciably above normal(3.1°C to 5.0°C)** at few places over East Madhya Pradesh and Gujarat Region; at isolated places over Andaman & Nicobar Islands, Sub Himalayan West Bengal & Sikkim, Odisha and West Rajasthan. **above normal(1.6°C to 3.0°C)** at few places over Gangetic West Bengal and Rayalaseema; at isolated places over Uttarakhand, Konkan & Goa, Madhya Maharashtra, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe. **near normal(-1.5°C to 1.5°C)** at many places over Jharkhand, Haryana-Chandigarh-Delhi, East Rajasthan and Chhattisgarh; at most places over Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Punjab, Marathwada, Vidarbha, Coastal Karnataka, North Interior Karnataka, South Interior Karnataka and Lakshadweep; at few places over Coastal Andhra Pradesh & Yanam; at isolated places over Telangana. **The lowest minimum temperature** of 18.0°C is reported at KHANDWA (MADHYA PRADESH) over the Plains of India.

❖ **Maximum Temperature Departures (as on 01-07-2025): markedly above normal(> 5.1°C)** at few places over Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad; at isolated places over Assam & Meghalaya. **appreciably above normal(3.1°C to 5.0°C)** at most places over Arunachal Pradesh; at isolated places over Sub Himalayan West Bengal & Sikkim. **above normal(1.6°C to 3.0°C)** at many places over Coastal Karnataka; at few places over Konkan & Goa and Lakshadweep; at isolated places over Odisha, Bihar and Tamil Nadu, Puducherry & Karaikal. **near normal(-1.5°C to 1.5°C)** at many places over Andaman & Nicobar Islands, Gangetic West Bengal, Saurashtra & Kutch and Kerala & Mahe; at most places over Nagaland, Manipur, Mizoram & Tripura; at few places over Uttarakhand, West Rajasthan, Gujarat Region, Madhya Maharashtra, Rayalaseema and North Interior Karnataka; at isolated places over East Uttar Pradesh, West Uttar Pradesh, Himachal Pradesh and Chhattisgarh. **The highest maximum temperature** of 40.2°C was reported at MADURAI (A) (TAMIL NADU).

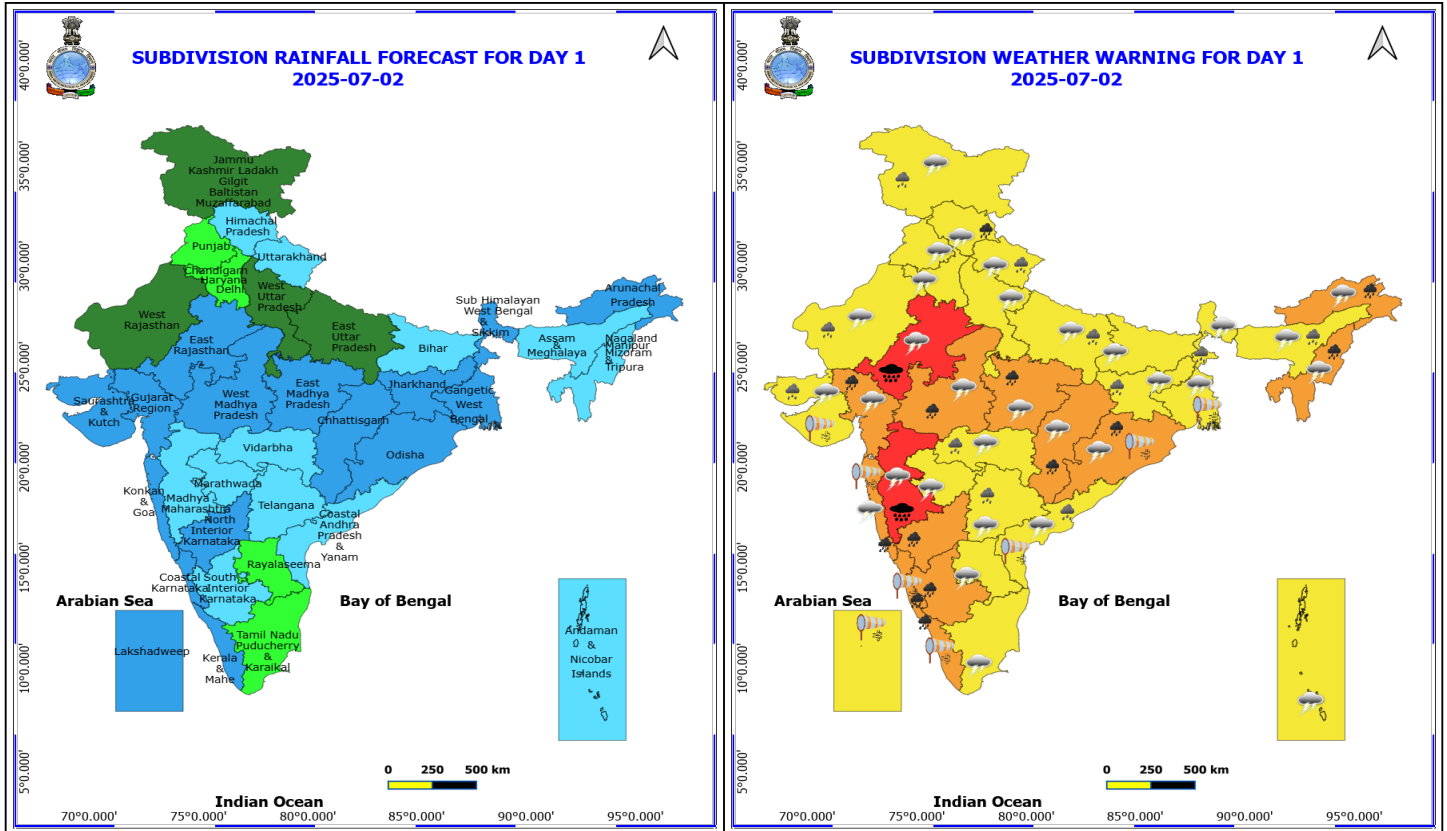


Meteorological Analysis (Based on 0830 hours IST)

- The **monsoon trough** at mean sea level now passes through Bikaner, Banasthali, Shivpuri, Siddhi, Chaibasa & Digha and thence southeastwards to eastcentral Bay of Bengal.
- The **cyclonic circulation** over south Jharkhand & neighbourhood persisted & now extends upto 5.8 km above mean sea level tilting southwards with height.
- The **trough** now runs from southeast Rajasthan to northwest Bay of Bengal across central Madhya Pradesh, north Chhattisgarh, the cyclonic circulation over south Jharkhand & neighbourhood, Gangetic West Bengal between 0.9 km & 5.8 km above mean sea level tilting southwards with height.
- The upper air **cyclonic circulation** over east Bangladesh & neighbourhood lay over northeast Assam & extended upto 1.5 km above mean sea level.

Weather Outlook for subsequent 3 days

- Scattered to fairly widespread rainfall very likely over central India, ghat area of western coast, eastern India & northwest India.
- Isolated to scattered rainfall very likely over the south peninsula India & western India.



2 July (Day 1)

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

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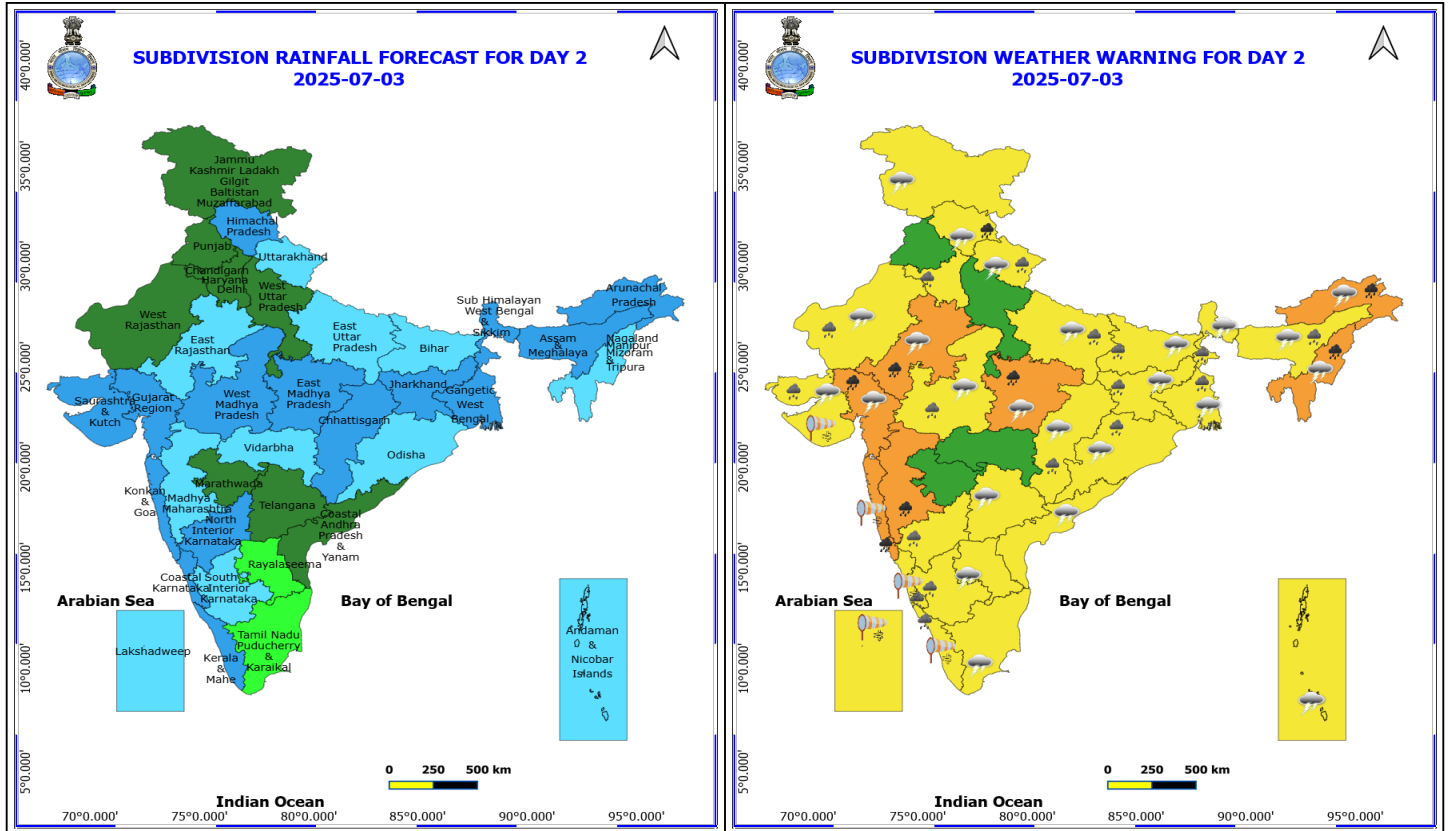
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❖ **Squally wind speed reaching 45 kmph to 55 kmph gusting to 65 kmph** is likely to prevail along and off Somalia, Oman & adjoining Yemen coasts, most parts of westcentral Arabian Sea & adjoining, some parts of eastcentral Arabian Sea, southern parts of northwest Arabian Sea, northern parts of southwest Arabian Sea, over Gulf of Mannar.

❖ **Squally weather with wind speed 40 - 50 kmph gusting to 60 kmph** likely to prevail along and off south south Gujarat and adjoining north Gujarat coasts, Konkan Goa coasts, adjoining sea areas, over many parts of northeast Arabian Sea, northern parts of south Arabian Sea, over most parts of north Bay of Bengal, along and off Odisha, West Bengal coasts, adjoining Bangladesh coast, many parts of westcentral Bay of Bengal and adjoining southwest Bay of Bengal, along and off north Andhra Pradesh coast.

❖ **Squally weather with wind speed 45 - 55 kmph gusting to 65 kmph** likely to prevail over some northern parts of central Bay of Bengal.



3 July (Day 2)

- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Arunachal Pradesh, East Madhya Pradesh, East Rajasthan, Gujarat Region, Himachal Pradesh, Konkan & Goa, Madhya Maharashtra and Nagaland, Manipur, Mizoram and Tripura.
- ❖ **Heavy Rainfall** very likely at isolated places over Assam & Meghalaya, Bihar, Chhattisgarh, Coastal Karnataka, East Uttar Pradesh, Haryana, Chandigarh & Delhi, Interior Karnataka, Jharkhand, Kerala & Mahe, Odisha, Saurashtra & Kutch, Uttarakhand, West Bengal & Sikkim, West Madhya Pradesh and West Rajasthan.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Coastal Andhra Pradesh.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Andaman & Nicobar Islands, Bihar, Gangetic West Bengal, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Jharkhand, Odisha, Rajasthan and West Madhya Pradesh.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Chhattisgarh, East Madhya Pradesh, East Uttar Pradesh, Gujarat State, Himachal Pradesh, Nagaland, Manipur, Mizoram and Tripura, Rayalaseema, Sub Himalayan West Bengal & Sikkim, Tamil Nadu Puducherry & Karaikal, Telangana and Uttarakhand.
- ❖ **Strong Surface Winds** very likely at isolated places over Coastal Karnataka, Kerala & Mahe, Konkan & Goa, Lakshadweep and Saurashtra & Kutch.
- ❖ **Squally wind speed reaching 45 kmph to 55 kmph gusting to 65 kmph** is likely to prevail along and off Somalia, Oman & adjoining Yemen coasts, most parts of westcentral Arabian Sea & adjoining, some parts of eastcentral Arabian Sea, northern parts of southwest Arabian Sea, over Gulf of Mannar.

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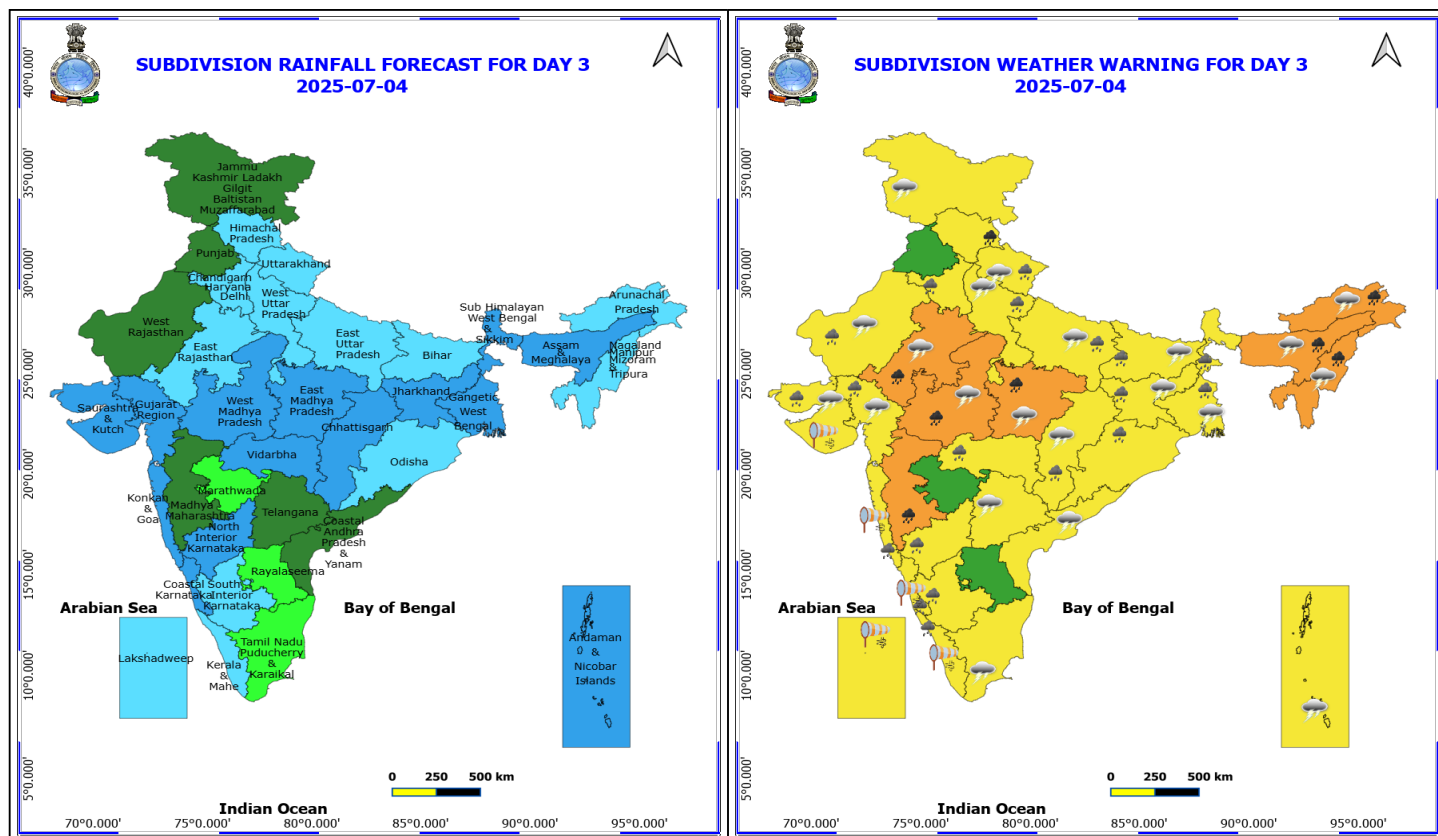
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❖ **Squally weather with wind speed 40 - 50 kmph gusting to 60 kmph** likely to prevail along and off south Gujarat and adjoining north Gujarat coasts, Konkan Goa coasts, adjoining sea areas, over southern parts of northeast Arabian Sea, over most parts of central Bay of Bengal & adjoining few parts of southwest & north Bay of Bengal, along and off north Andhra Pradesh coast.



4 July (Day 3)

- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, East Rajasthan, Himachal Pradesh, Madhya Maharashtra, Madhya Pradesh and Nagaland, Manipur, Mizoram and Tripura.
- ❖ **Heavy Rainfall** very likely at isolated places over Bihar, Chhattisgarh, Costal Karnataka, Gujarat State, Haryana, Chandigarh & Delhi, Interior Karnataka, Jharkhand, Kerala & Mahe, Konkan & Goa, Odisha, Uttar Pradesh, Uttarakhand, Vidarbha, West Bengal & Sikkim and West Rajasthan.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Andaman & Nicobar Islands and Coastal Andhra Pradesh.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Bihar, Gangetic West Bengal, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Jharkhand and Rajasthan.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Chhattisgarh, Gujarat State, Madhya Pradesh, Nagaland, Manipur, Mizoram and Tripura, Tamil Nadu Puducherry & Karaikal, Telangana, Uttar Pradesh and Uttarakhand.
- ❖ **Strong Surface Winds** very likely at isolated places over Costal Karnataka, Kerala & Mahe, Konkan & Goa, Lakshadweep and Saurashtra & Kutch.
- ❖ **Squally wind speed reaching 45 kmph to 55 kmph gusting to 65 kmph** is likely to prevail along and off Somalia, Oman & adjoining Yemen coasts, most parts of westcentral Arabian Sea & adjoining, some parts of eastcentral Arabian Sea, northern parts of southwest Arabian Sea.
- ❖ **Squally weather with wind speed 40 - 50 kmph gusting to 60 kmph** likely to prevail along and off south Gujarat

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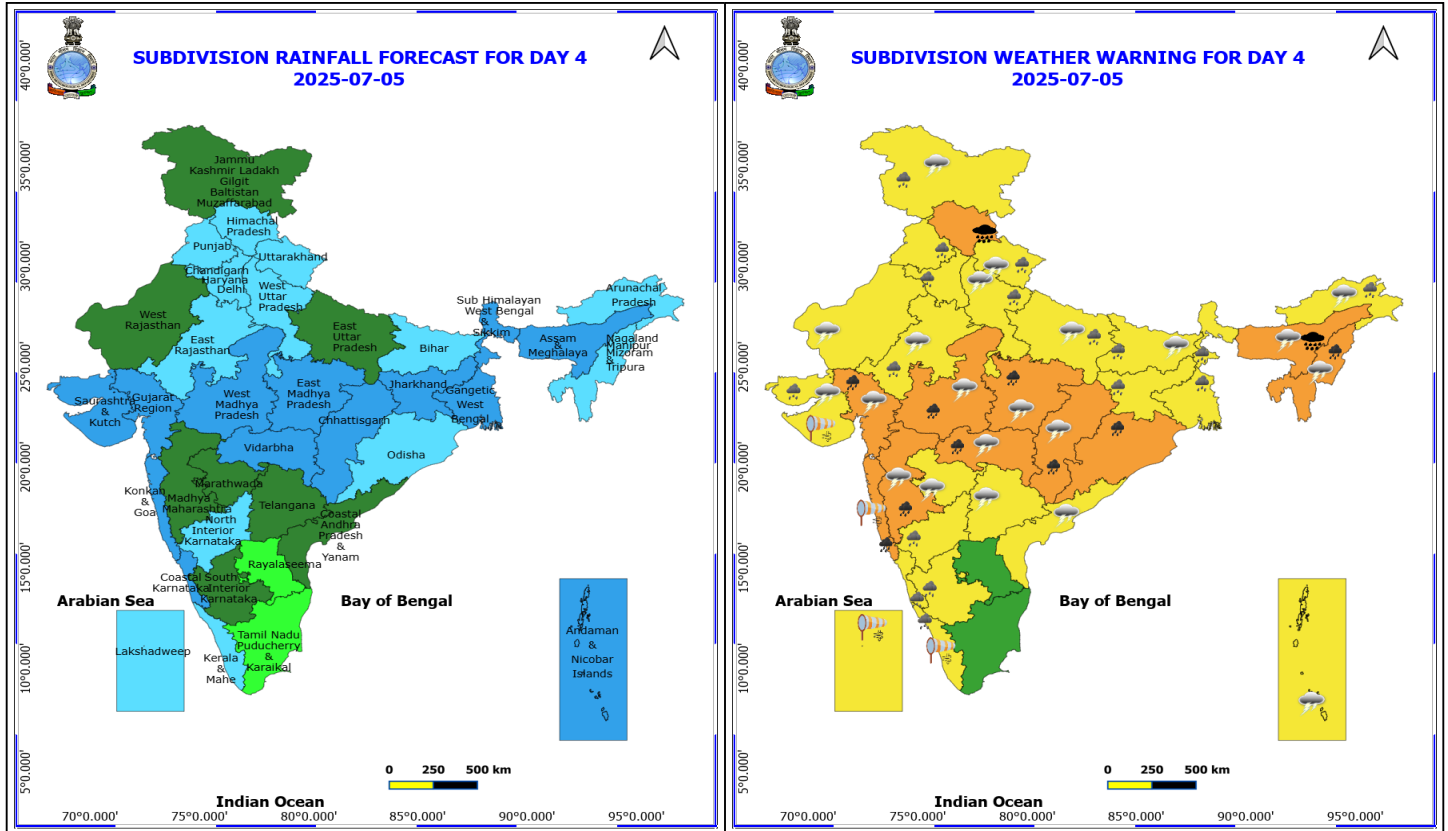
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and adjoining north Gujarat coasts, Konkan Goa coasts, adjoining sea areas, over southern parts of northeast Arabian Sea, over many parts of central Bay of Bengal & adjoining parts of north Bay of Bengal, along and off north Andhra Pradesh coast.



5 July (Day 4)

- ❖ **Heavy to Very Heavy Rainfall with isolated Extremely Heavy Rainfall** likely at isolated places over Assam & Meghalaya and Himachal Pradesh.
- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Chhattisgarh, Gujarat Region, Konkan & Goa, Madhya Maharashtra, Madhya Pradesh, Nagaland, Manipur, Mizoram and Tripura, Odisha and Vidarbha.
- ❖ **Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Bihar, Coastal Karnataka, East Rajasthan, Haryana, Chandigarh & Delhi, Interior Karnataka, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Jharkhand, Kerala & Mahe, Punjab, Saurashtra & Kutch, Uttar Pradesh, Uttarakhand and West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Andaman & Nicobar Islands and Coastal Andhra Pradesh.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Bihar, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Madhya Maharashtra, Marathwada and Rajasthan.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Chhattisgarh, Gujarat State, Madhya Pradesh, Nagaland, Manipur, Mizoram and Tripura, Telangana, Uttar Pradesh, Uttarakhand and Vidarbha.
- ❖ **Strong Surface Winds** likely at isolated places over Kerala & Mahe, Konkan & Goa, Lakshadweep and Saurashtra & Kutch.
- ❖ **Squally wind speed reaching 45 kmph to 55 kmph gusting to 65 kmph** is likely to prevail along and off Somalia, Oman & adjoining Yemen coasts, most parts of westcentral Arabian Sea & adjoining, some parts of eastcentral Arabian Sea, northern parts of southwest Arabian Sea.

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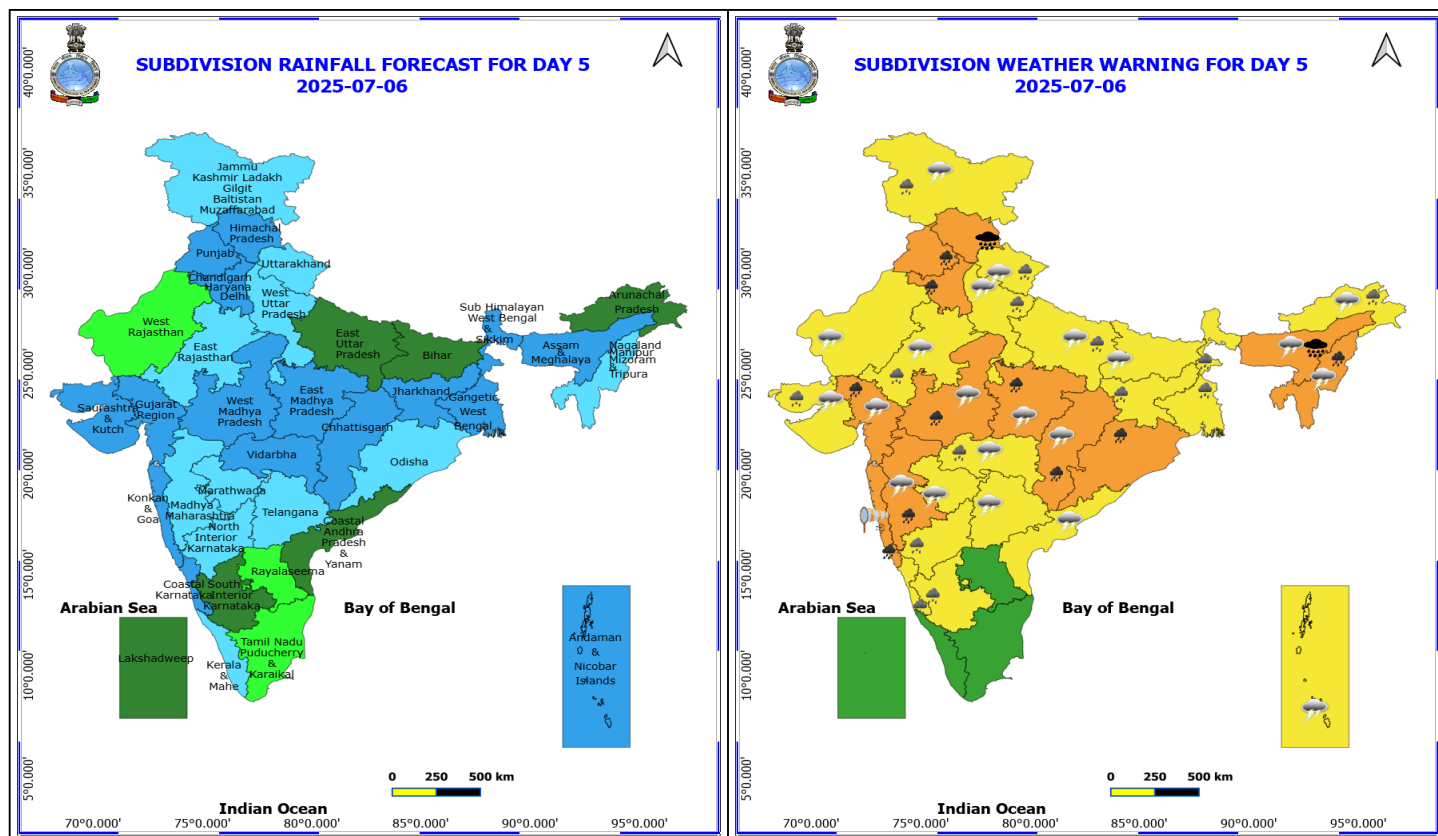
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❖ **Squally weather with wind speed 40 - 50 kmph gusting to 60 kmph** likely to prevail along and off south Gujarat and adjoining north Gujarat coasts, Konkan Goa coasts, adjoining sea areas, over southern parts of northeast Arabian Sea, over most parts of central Bay of Bengal & adjoining few parts of southwest & north Bay of Bengal, along and off north Andhra Pradesh coast.



6 July (Day 5)

- ❖ **Heavy to Very Heavy Rainfall with isolated Extremely Heavy Rainfall** likely at isolated places over Assam & Meghalaya and Himachal Pradesh.
- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Chhattisgarh, Gujarat Region, Haryana, Chandigarh & Delhi, Konkan & Goa, Madhya Maharashtra, Madhya Pradesh, Nagaland, Manipur, Mizoram and Tripura, Odisha and Punjab.
- ❖ **Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Coastal Karnataka, East Rajasthan, Interior Karnataka, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Jharkhand, Saurashtra & Kutch, Uttar Pradesh, Uttarakhand, Vidarbha and West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Andaman & Nicobar Islands and Coastal Andhra Pradesh.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Bihar, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Madhya Maharashtra, Marathwada and Rajasthan.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Chhattisgarh, Gujarat State, Madhya Pradesh, Nagaland, Manipur, Mizoram and Tripura, Telangana, Uttar Pradesh, Uttarakhand and Vidarbha.
- ❖ **Strong Surface Winds** likely at isolated places over Konkan & Goa.
- ❖ **Squally wind speed reaching 45 kmph to 55 kmph gusting to 65 kmph** is likely to prevail along and off Somalia, Oman & adjoining Yemen coasts, most parts of westcentral Arabian Sea & adjoining, some parts of eastcentral Arabian Sea, northern parts of southwest Arabian Sea.

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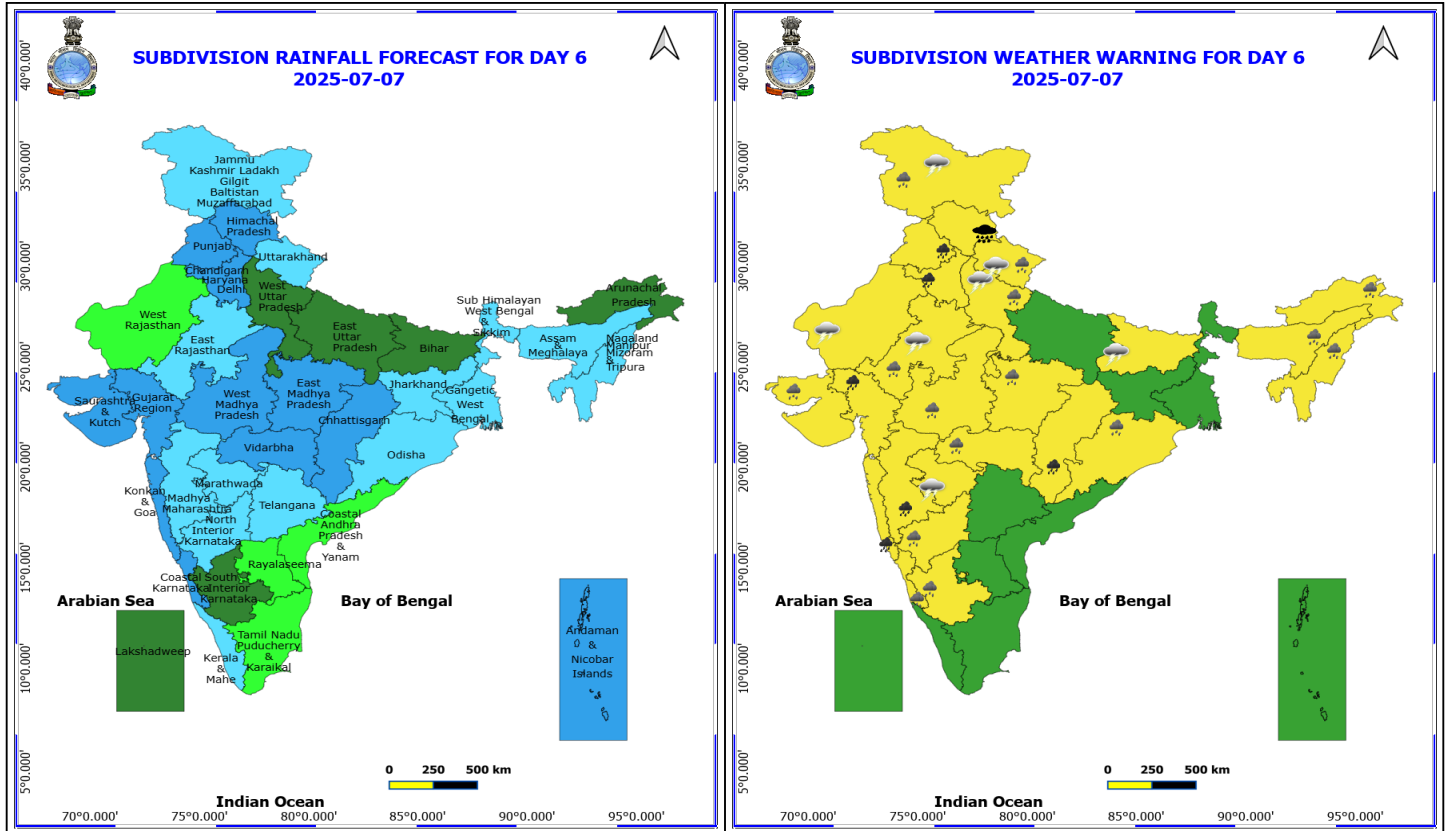
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❖ **Squally weather with wind speed 40 - 50 kmph gusting to 60 kmph** likely to prevail along and off south Gujarat, Konkan Goa coasts, adjoining sea areas, over southern parts of northeast Arabian Sea, over many parts of central Bay of Bengal, some parts of north Bay of Bengal, along and off north Andhra Pradesh coast.



7 July (Day 6)

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

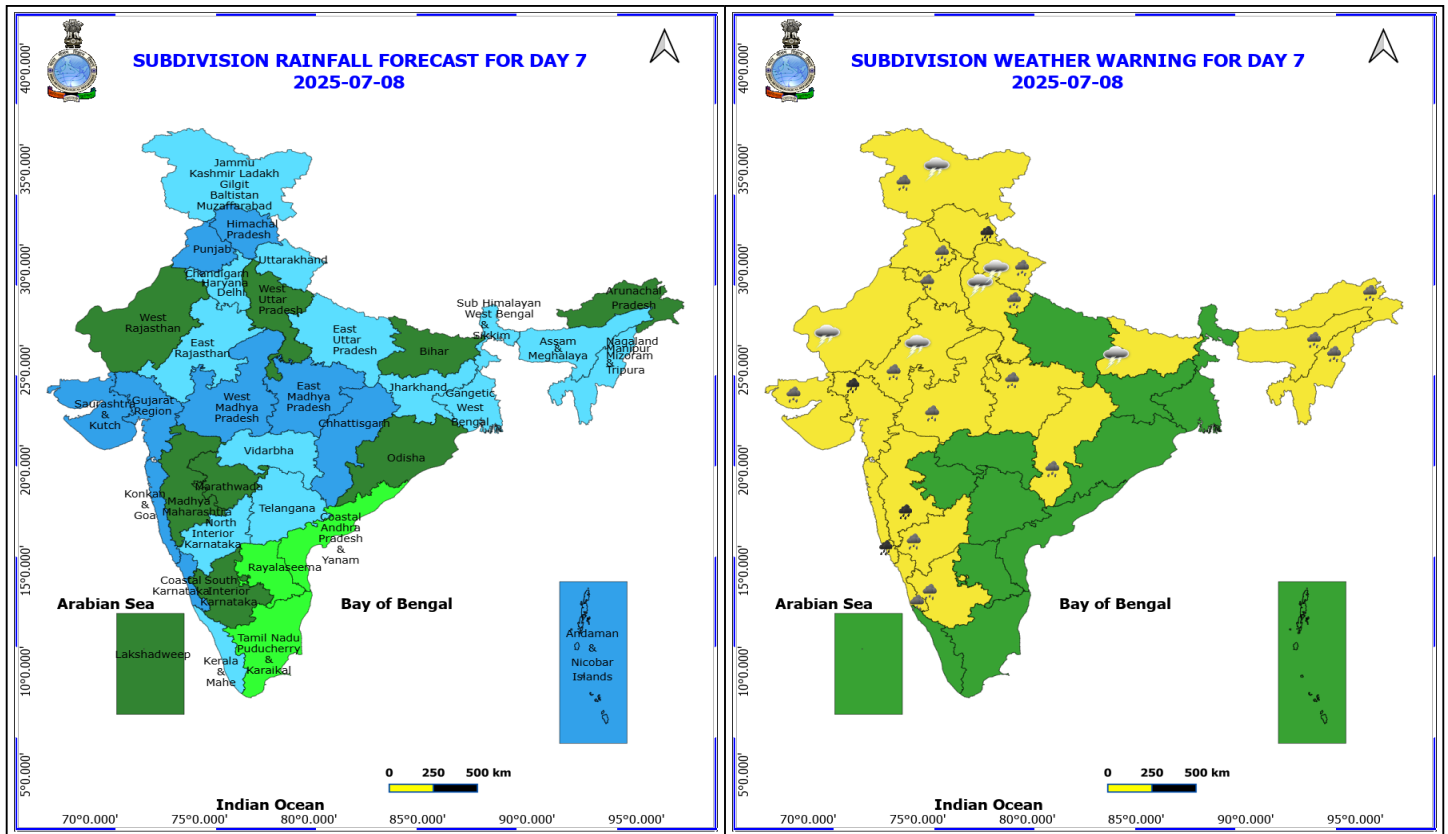
No Fishermen Warning

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8 July (Day 7)

- ❖ **Heavy to Very Heavy Rainfall with isolated Extremely Heavy Rainfall** likely at isolated places over Assam & Meghalaya and Himachal Pradesh.
- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Chhattisgarh, Gujarat Region, Haryana, Chandigarh & Delhi, Konkan & Goa, Madhya Maharashtra, Madhya Pradesh, Nagaland, Manipur, Mizoram and Tripura, Odisha and Punjab.
- ❖ **Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Coastal Karnataka, East Rajasthan, Interior Karnataka, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Jharkhand, Saurashtra & Kutch, Uttar Pradesh, Uttarakhand, Vidarbha and West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Andaman & Nicobar Islands and Coastal Andhra Pradesh.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Bihar, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Madhya Maharashtra, Marathwada and Rajasthan.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Chhattisgarh, Gujarat State, Madhya Pradesh, Nagaland, Manipur, Mizoram and Tripura, Telangana, Uttar Pradesh, Uttarakhand and Vidarbha.
- ❖ **Strong Surface Winds** likely at isolated places over Konkan & Goa.

No Fishermen Warning

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Flash Flood Warnings

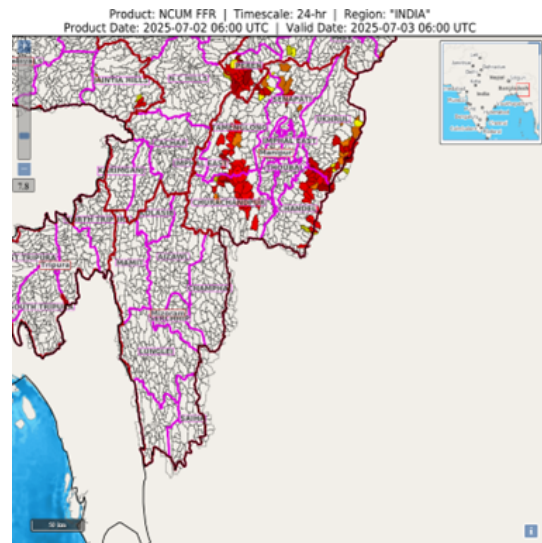
24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 03-07-2025 :

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

Nagaland Mizoram Manipur Tripura (NMMT) –

Manipur- Churachandpur, Chandel, Ukhral, Tamenglong, Senapati, Imphal West districts.

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



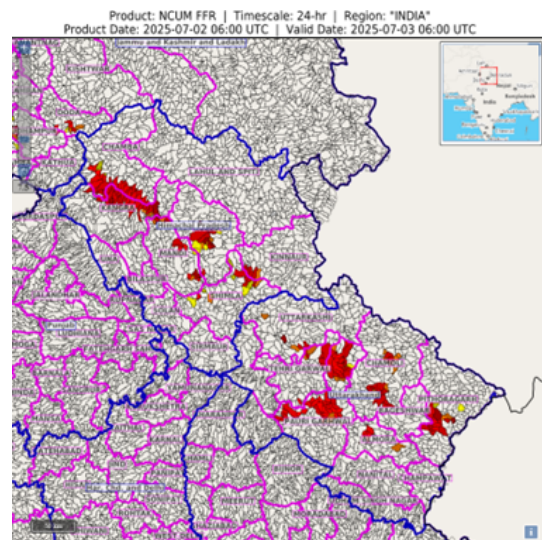
24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 03-07-2025 :

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

Himchal Pradesh – Chamba, Kangra, Mandi, Kullu and Shimla districts.

Uttarakhand – Tehri Garhwal, Pauri Garwahal, Uttarkashi, Bageshwar, Chamoli, Pithoragarh, Rudraprayag, Champawat, and Almora 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	2- Jul	3- Jul	4- Jul	5- Jul	6- Jul	7- Jul	8- Jul
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	FWS	FWS	WS	WS	WS	WS	WS
2	ARUNACHAL PRADESH	WS	WS	FWS	FWS	SCT	SCT	SCT
3	ASSAM & MEHGHALAYA	FWS	WS	WS	WS	WS	FWS	FWS
4	N. M. M. & T.	FWS	FWS	FWS	FWS	FWS	FWS	FWS
5	S.H. WEST BENGAL & SIKKIM	WS	WS	WS	WS	WS	FWS	FWS
6	GANGETIC WEST BENGAL	WS	WS	WS	WS	WS	FWS	FWS
7	ODISHA	WS	FWS	FWS	FWS	FWS	FWS	SCT
8	JHARKHAND	WS	WS	WS	WS	WS	FWS	FWS
9	BIHAR	FWS	FWS	FWS	FWS	SCT	SCT	SCT
10	EAST UTTAR PRADESH	SCT	FWS	FWS	SCT	SCT	SCT	FWS
11	WEST UTTAR PRADESH	SCT	SCT	FWS	FWS	FWS	SCT	SCT
12	UTTARAKHAND	FWS	FWS	FWS	FWS	FWS	FWS	FWS
13	HARYANA, CHD & DELHI	ISOL	SCT	FWS	FWS	WS	WS	FWS
14	PUNJAB	ISOL	SCT	SCT	FWS	WS	WS	WS
15	HIMACHAL PRADESH	FWS	WS	FWS	FWS	WS	WS	WS
16	JAMMU AND KASHMIR AND LADAKH	SCT	SCT	SCT	SCT	FWS	FWS	FWS
17	WEST RAJASTHAN	SCT	SCT	SCT	SCT	ISOL	ISOL	SCT
18	EAST RAJASTHAN	WS	FWS	FWS	FWS	FWS	FWS	FWS
19	WEST MADHYA PRADESH	WS	WS	WS	WS	WS	WS	WS
20	EAST MADHYA PRADESH	WS	WS	WS	WS	WS	WS	WS
21	GUJRAT REGION	WS	WS	WS	WS	WS	WS	WS
22	SAURASHTRA & KUTCH	WS	WS	WS	WS	WS	WS	WS
23	KONKAN & GOA	WS	WS	WS	WS	WS	WS	WS
24	MADHYA MAHARASHTRA	FWS	FWS	SCT	SCT	FWS	FWS	SCT
25	MARATHWADA	FWS	SCT	ISOL	SCT	FWS	FWS	SCT
26	VIDARBHA	FWS	FWS	WS	WS	WS	WS	FWS
27	CHATTISGARH	WS	WS	WS	WS	WS	WS	WS
28	COASTAL ANDHRA PRADESH	FWS	SCT	SCT	SCT	SCT	ISOL	ISOL
29	TELANGANA	FWS	SCT	SCT	SCT	FWS	FWS	FWS
30	RAYALASEEMA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
31	TAMILNADU & PUDUCHERRY	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
32	COSTAL KARNATAKA	WS	WS	WS	WS	WS	WS	WS
33	NORTH INTERIOR KARNATAKA	WS	WS	WS	FWS	FWS	FWS	FWS
34	SOUTH INTERIOR KARNATAKA	FWS	FWS	FWS	SCT	SCT	SCT	SCT
35	KERALA	WS	WS	FWS	FWS	FWS	FWS	FWS
36	LAKSHDWEAP	WS	FWS	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 2025-07-02

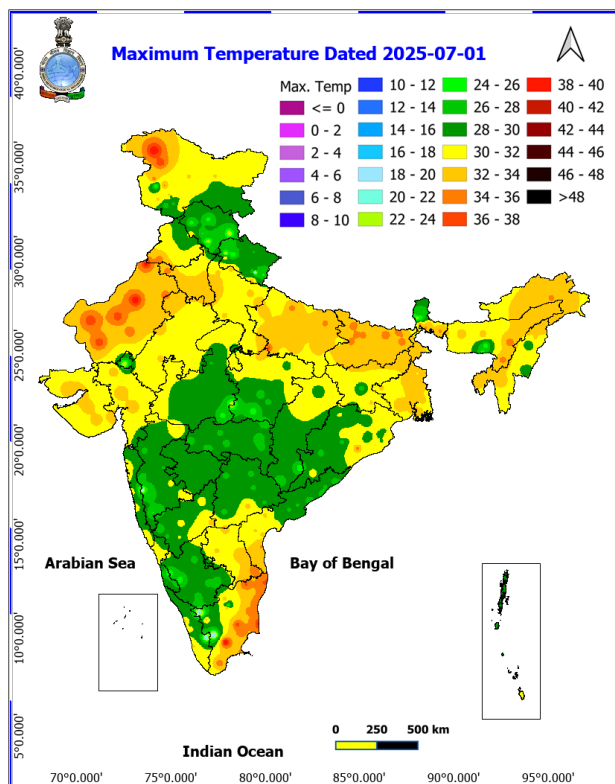


Fig. 2: Departure of Maximum Temp. Dated 2025-07-02

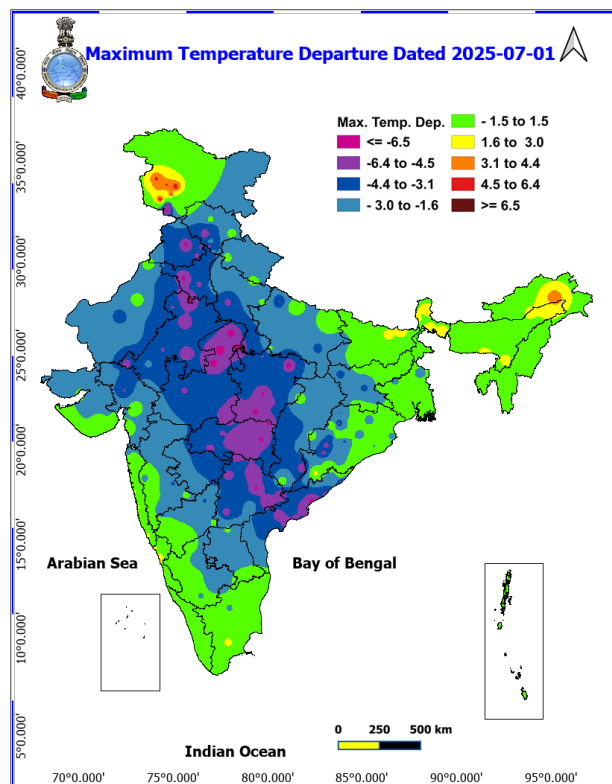


Fig. 3: Minimum Temperatures Dated 2025-07-02

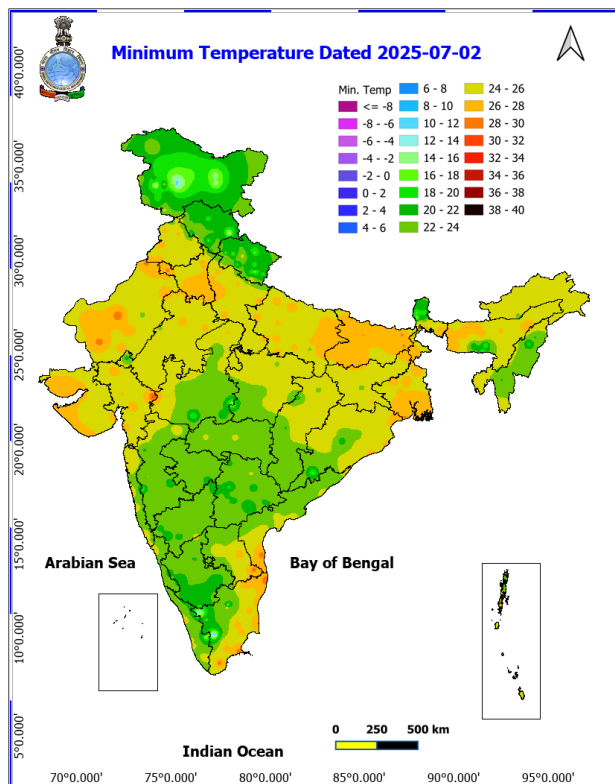
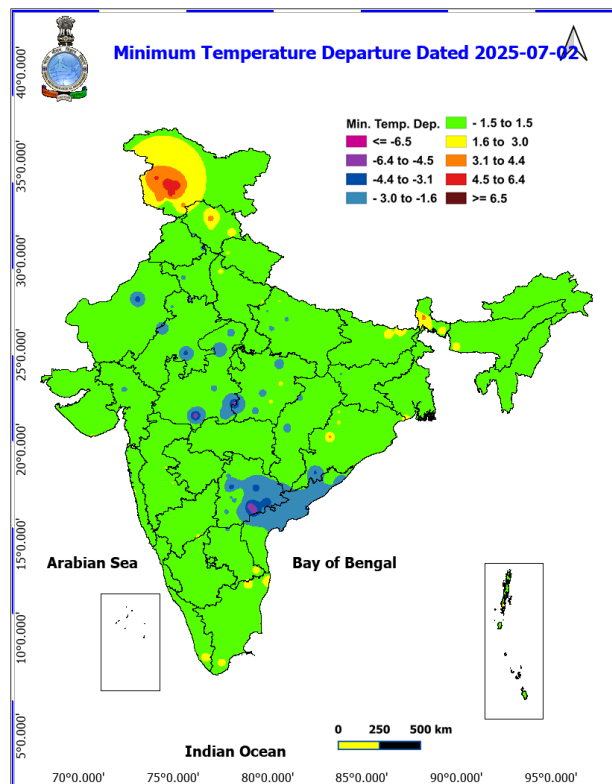
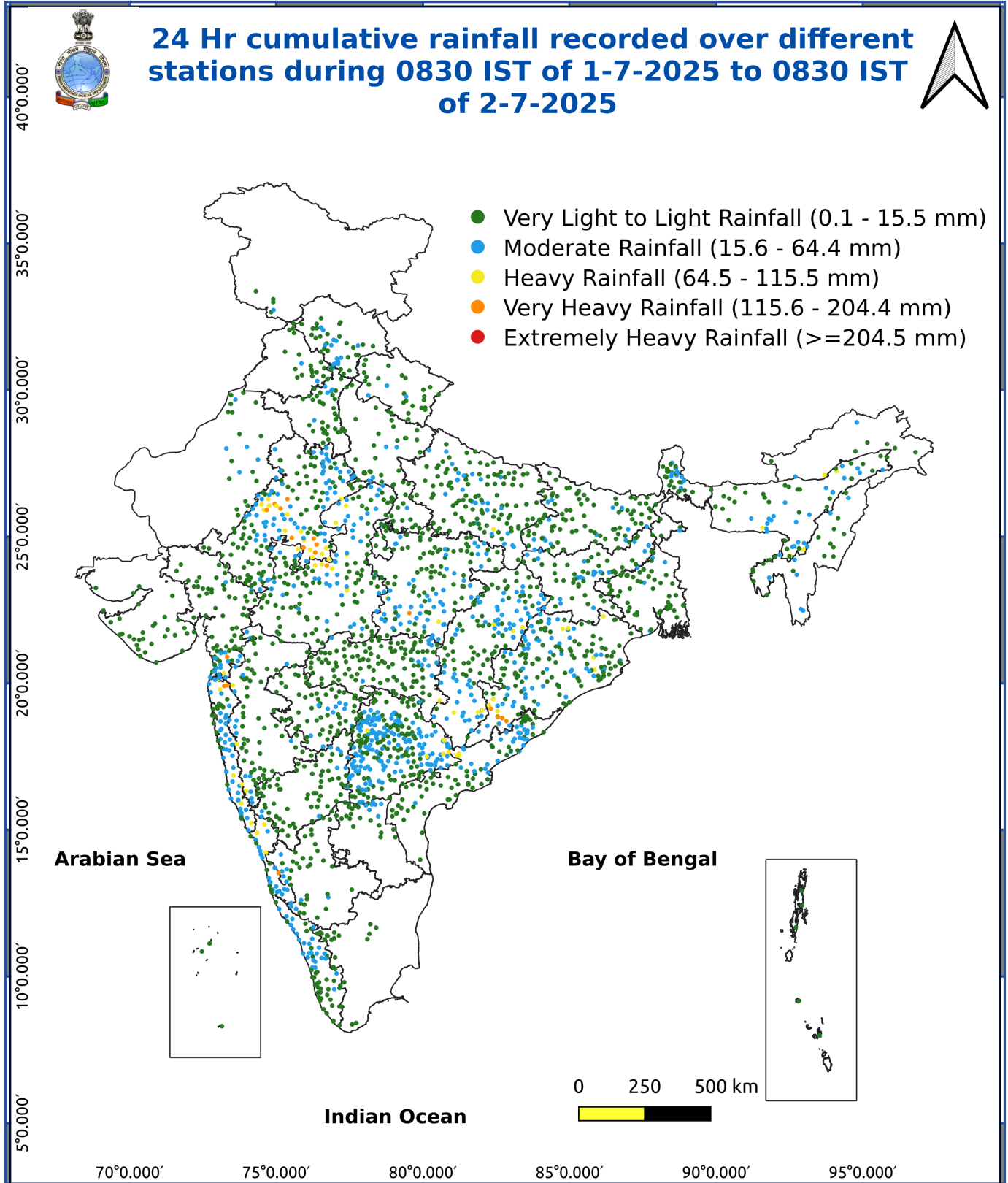


Fig. 4: Departure of Minimum Temp. Dated 2025-07-02





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

- **Extremely heavy rainfall (?20 cm)** very likely at isolated places over East Rajasthan, ghat areas of Madhya Maharashtra on 02nd July; Meghalaya on 05th & 06th July.
- **Very heavy rainfall over** Kerala and Karnataka on 02nd; Himachal Pradesh on during 05th-07th; Punjab, Haryana on 06th & 07th and East Rajasthan, Arunachal Pradesh during 02nd-04th July; Madhya Pradesh, Konkan & Goa, ghat areas of Madhya Maharashtra, Gujarat Region, Nagaland, Manipur, Mizoram & Tripura during 02nd-06th; Assam & Meghalaya during 04th-06th; Chhattisgarh, Odisha on 02nd, 05th & 06th July.

Impact Expected

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

Action Suggested

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

Agromet advisories for various parts of the country

Agromet advisories for likely impact of Heavy / Heavy to Very Heavy / Extremely Heavy Rainfall

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

- In **Odisha**, ensure proper drainage from already sown rice nurseries, fields of maize and vegetables to prevent waterlogging. Cover rice and vegetable nurseries with plastic sheets to prevent the washing away of seeds. Provide strong wooden support for papaya and banana plants to avoid lodging due to strong winds. In **West Central Table Land Zone**, postpone sowing of pigeon pea and groundnut. Carry out re-sowing of maize in case of poor germination / no germination due to waterlogged condition. In **Keonjhar district**, postpone sowing of maize and green gram.
- In **Jharkhand**, make necessary arrangements to drain out excess water from already sown maize fields, rice and vegetable nurseries. Cover the vegetable nurseries with polythene sheets.
- In **West Madhya Pradesh**, make necessary arrangements to drain out excess water from vegetables and orchards to avoid waterlogging. In **Gird Zone of West Madhya Pradesh**, postpone sowing of pearl millet. In **East Madhya Pradesh**, keep the harvested produce of maize, green gram and black gram in safe places. Ensure proper drainage in already sown / transplanted fields.
- In **Chhattisgarh**, ensure proper drainage in rice nurseries, fields of maize, minor millets and vegetables. In **Bastar Plateau Zone**, postpone transplanting of paddy during heavy rainfall period.
- In **East Rajasthan**, harvest the matured vegetables such as okra and cucurbits and store them in safe place. Make arrangement for draining out excess water from the fields of groundnut and green gram.

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- In **East Uttar Pradesh**, drain out excess water from late sown rice nurseries, groundnut, green gram, maize and vegetables.
- In **Konkan**, make arrangements to drain out excess water from rice nurseries, fields of finger millet, groundnut and orchards to prevent waterlogging. In **ghat areas** of **Madhya Maharashtra**, drain out excess water from rice nurseries, vegetables and orchards to prevent waterlogging.
- In **Gujarat**, make necessary arrangements to drain out excess water in rice nurseries, sugarcane fields, banana and mango plantations to prevent waterlogging. Provide support to sugarcane and banana to prevent lodging. In **Saurashtra & Kutch**, drain out excess rain water from vegetable nurseries and horticultural plantations. Undertake propping in sugarcane with strong bamboo or tie the leaves together in a clump to protect against wind and heavy rain.
- In **Arunachal Pradesh**, ensure proper drainage in rice, soyabean, vegetable fields and orchards (kiwi, apple). Avoid fresh transplanting of rice in low-lying areas. Provide staking to vegetables. Provide strong support to banana plants using bamboo or wooden stakes to prevent lodging or stem breakage.
- In **Assam**, keep the harvested produce of sesame, foxtail millet, *Boro* rice, banana and citrus at safer places. Ensure proper drainage in *Sali* rice nursery, maize and sugarcane fields, arecanut and coconut plantations to prevent waterlogging.
- In **Meghalaya**, postpone nursery sowing of rice especially in valleys. Ensure proper drainage in the fields of maize, ginger, French bean, cowpea, vegetables and around rice nurseries to prevent waterlogging. Provide strong bamboo stakes or trellis support to cow pea, cucumber and bottle gourd to prevent vines from trailing on wet ground. Provide support to banana plant to prevent lodging.
- In **Himachal Pradesh**, provide drainage in the fields of vegetables and fruit orchards. Strengthen the support for creepers and tall vegetable crops (tomato, capsicum etc.). Harvest matured fruits of plum, pear, stone fruit and keep in safe places to minimize losses due to heavy rains. Drain out excess water from rice nurseries and maize fields.
- In **Uttarakhand**, ensure proper drainage facilities in pigeon pea, groundnut, maize, sugarcane, barnyard millet, finger millet, rice nurseries, kidney beans, black gram, green gram, vegetable and orchards. Harvest matured vegetables (pumpkin, tomato, okra, chilli, French bean etc.) and fruits and store in safe place. Tie the sugarcane plants together to avoid lodging.

Livestock / Fishery

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

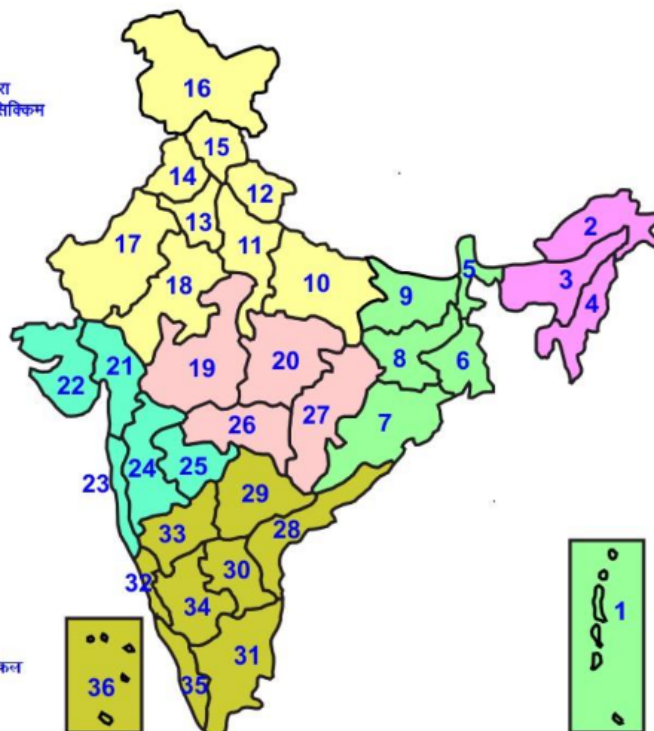
Agromet advisories for likely impact of Thunderstorm / Gusty Winds / Squally Winds

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

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

LEGENDS

- 1 अंडमान और निकोबार द्वीप समुह
- 2 अरुणाचल प्रदेश
- 3 असम और मेघालय
- 4 नागालैंड मनीपुर मीजोरम और त्रिपुरा
- 5 उप हिमालय पश्चिम बंगाल एवं सिक्किम
- 6 पश्चिम बंगाल
- 7 ओडिसा
- 8 झारखंड
- 9 बिहार
- 10 पूर्वी उत्तर प्रदेश
- 11 पश्चिम उत्तर प्रदेश
- 12 उत्तराखंड
- 13 हरियाणा चंडीगढ़ एवं दिल्ली
- 14 पंजाब
- 15 हिमाचल प्रदेश
- 16 जम्मू एवं कश्मीर एवं लद्दाख
- 17 पश्चिम राजस्थान
- 18 पूर्वी राजस्थान
- 19 पश्चिम मध्य प्रदेश
- 20 पूर्वी मध्य प्रदेश
- 21 गुजरात क्षेत्र
- 22 सौराष्ट्र एवं कच्छ
- 23 कोंकण एवं गोवा
- 24 मध्य महाराष्ट्र
- 25 मराठावाड़ा
- 26 विदर्भ
- 27 छत्तीसगढ़
- 28 तटीय आंध्र प्रदेश एवं यनम
- 29 तेलंगाना
- 30 रायलसीमा
- 31 तमिलनाडु, पुदुचेरी एवं कराईकल
- 32 तटिय कर्नाटक
- 33 आंतरिक उत्तरी कर्नाटक
- 34 आंतरिक दक्षिणी कर्नाटक
- 35 केरल एवं माहे
- 36 लक्षद्वीप



1. Andaman & Nicobar Islands
2. Arunachal Pradesh
3. Assam & Meghalaya
4. Nagaland, Manipur, Mizoram & Tripura
5. Sub-Himalayan West Bengal & Sikkim
6. Gangetic West Bengal
7. Orissa
8. Jharkhand
9. Bihar
10. East Uttar Pradesh
11. West Uttar Pradesh
12. Uttarakhand
13. Haryana, Chd & Delhi
14. Punjab
15. Himachal Pradesh
16. Jammu & Kashmir and Ladakh
17. West Rajasthan
18. East Rajasthan
19. West Madhya Pradesh
20. East Madhya Pradesh
21. Gujarat
22. Saurashtra
23. Konkan & Goa
24. Madhya Maharashtra
25. Marathawada
26. Vidharbha
27. Chhattisgarh
28. Coastal Andhra Pradesh & Yanam
29. Telangana
30. Rayalaseema
31. Tamilnadu, Puducherry & Karaikal
32. Coastal Karnataka
33. North Interior Karnataka
34. South Interior Karnataka
35. Kerala & Mahe
36. Lakshadweep

SPATIAL DISTRIBUTION (% of Stations reporting)


% Stations	Category	% Stations	Category
76-100	Widespread (WS/Most Places)	26-50	Scattered (SCT/ A Few Places)
51-75	Fairly Widespread (FWS/ Many Places)	1-25	Isolated (ISOL)


Subdivision Colour


- NO WARNING
- WATCH (BE UPDATED)
- ALERT (BE PREPARED TO TAKE ACTION)
- WARNING (TAKE ACTION)


Probabilistic Forecast


Terms	Probability of Occurrence (%)
Unlikely	< 25
Likely	25 - 50
Very Likely	50 - 75
Most Likely	> 75


-  Heavy Rain


 Thunderstorm & Lightning


 Strong surface winds


 Cold Wave


 Hot & Humid


 Very Heavy Rain


 Hailstorm


 Heat Wave


 Cold Day


 Extremely Heavy Rain


 Dust Storm


 Hot Day

 Ground Frost

 Heavy Snow

 Dust Raising Winds

 Warm Night

 Fog

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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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