

2026-07-22

Time of Issue: 13:27:00 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 22nd-28th July.
- Isolated to Scattered Light to moderate rainfall likely over Ladakh during next 2 days.
- **Fairly Widespread to Widespread** rainfall likely over Punjab on 22nd July and during 27th-28th July; East Uttar Pradesh and Haryana Chandigarh & Delhi during 27th-28th July; West Uttar Pradesh on 28th July; West Rajasthan during 22nd-26th July; East Rajasthan during 22nd-27th July.
- **Isolated to Scattered** rainfall likely over Punjab during 23rd-26th July; East Uttar Pradesh and Haryana Chandigarh & Delhi during 22nd-26th July; West Uttar Pradesh during 22nd-27th July; West Rajasthan during 27th-28th July; East Rajasthan on 28th July.
- Isolated **thunderstorm, lightning & gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 22nd-28th July.
- Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over West Rajasthan on 22nd July, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over West Rajasthan on 23rd July; East Rajasthan during 22nd-23rd July.
- Isolated **thunderstorm & lightning** likely over Uttarakhand during 22nd-28th July; East Rajasthan and West Rajasthan during 24th-28th July.
- Isolated **heavy rainfall** likely over Himachal Pradesh and Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 23rd-28th July; Uttarakhand during 22nd-28th July; Punjab on 23rd July and on 25th July; Haryana Chandigarh & Delhi on 22nd July; East Rajasthan and West Uttar Pradesh during 27th-28th July; East Uttar Pradesh during 26th-28th July; West Rajasthan during 22nd-26th July with isolated **very heavy rainfall** also likely over Himachal Pradesh and Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 22nd July; Punjab on 22nd July and during 27th-28th July; Haryana Chandigarh & Delhi during 27th-28th July; East Rajasthan during 22nd-26th July.
- **Heavy to very heavy rainfall with extremely heavy rainfall likely at isolated places over Jammu-Kashmir, Southeast Rajasthan on 22nd July.**

Central India:

- **Fairly Widespread to Widespread** rainfall likely over West Madhya Pradesh during 22nd-26th July; Chhattisgarh and East Madhya Pradesh during 22nd-28th July; Vidarbha during 22nd-24th July.
- **Isolated to Scattered** rainfall likely over West Madhya Pradesh during 27th-28th July; Vidarbha during 25th-28th July.
- Isolated **thunderstorm, lightning & gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over East Madhya Pradesh and West Madhya Pradesh during 22nd-23rd July.
- Isolated **thunderstorm & lightning** likely over East Madhya Pradesh and West Madhya Pradesh during 24th-26th July; Vidarbha during 22nd-24th July; Chhattisgarh during 22nd-26th July.
- Isolated **heavy rainfall** likely over West Madhya Pradesh on 22nd July and during 24th-25th July; East Madhya Pradesh during 24th-25th July; Vidarbha on 23rd July; Chhattisgarh during 22nd-23rd July with isolated **very heavy rainfall** also likely over West Madhya Pradesh on 23rd July; East Madhya Pradesh during 22nd-23rd July; Vidarbha on 22nd July.
- **Heavy to very heavy rainfall with extremely heavy rainfall likely at isolated places over Southwest Madhya Pradesh on 22nd July.**

East India:

- **Fairly Widespread to Widespread** rainfall likely over Andaman & Nicobar Islands, Gangetic West Bengal, Jharkhand and Sub-Himalayan West Bengal & Sikkim during 22nd-28th July; Bihar during 22nd-23rd July and

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during 27th-28th July; Odisha during 22nd-26th July.

- **Isolated to Scattered** rainfall likely over Bihar during 24th-26th July; Odisha during 27th-28th July.
- Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Jharkhand during 22nd-26th July, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Andaman & Nicobar Islands and Bihar during 22nd-28th July; Gangetic West Bengal during 22nd-24th July; Odisha during 24th-26th July.
- Isolated **thunderstorm & lightning** likely over Sub-Himalayan West Bengal & Sikkim during 22nd-28th July.
- Isolated **heavy rainfall** likely over Sub-Himalayan West Bengal & Sikkim during 26th-28th July; Gangetic West Bengal during 22nd-24th July; Jharkhand during 22nd-26th July; Bihar during 22nd-24th July and during 27th-28th July; Odisha during 23rd-28th July with isolated **very heavy rainfall** also likely over Odisha on 22nd July.

Northeast India:

- **Fairly Widespread to Widespread** rainfall likely over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 22nd-28th July.
- Isolated **thunderstorm & lightning** likely over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 22nd-26th July.
- Isolated **heavy rainfall** likely over Arunachal Pradesh and Assam & Meghalaya during 23rd-28th July; Nagaland, Manipur, Mizoram & Tripura during 24th-28th July with isolated **very heavy rainfall** also likely over Arunachal Pradesh and Assam & Meghalaya on 22nd July; Nagaland, Manipur, Mizoram & Tripura during 22nd-23rd July.

West India:

- **Fairly Widespread to Widespread** rainfall likely over Gujarat Region and Konkan & Goa during 22nd-28th July; Madhya Maharashtra during 22nd-24th July; Marathawada and Saurashtra & Kutch during 22nd-23rd July.
- **Isolated to Scattered** rainfall likely over Madhya Maharashtra during 25th-28th July; Marathawada and Saurashtra & Kutch during 24th-28th July.
- Isolated **thunderstorm & lightning** likely over Gujarat Region during 22nd-27th July; Saurashtra & Kutch during 22nd-25th July.
- Isolated **heavy rainfall** likely over Konkan & Goa on 22nd July, during 24th-25th July and on 28th July; Madhya Maharashtra during 22nd-23rd July and during 26th-28th July; Marathawada on 22nd July; Gujarat Region during 22nd-24th July and on 27th July; Saurashtra & Kutch during 22nd-23rd July and during 26th-27th July with isolated **very heavy rainfall** also likely over Konkan & Goa on 23rd July; Madhya Maharashtra on 24th July; Gujarat Region during 25th-26th July.
- **Heavy to very heavy rainfall at few places with extremely heavy rainfall likely at isolated places over Gujarat Region during 22nd -24th; Konkan & Goa on 22nd; Madhya Maharashtra on 22nd & 23rd July.**

South Peninsular India:

- **Isolated to Scattered** rainfall likely over Coastal Andhra Pradesh & Yanam, North Interior Karnataka, Rayalaseema and Tamil Nadu, Puducherry & Karaikal during 22nd-28th July; Kerala & Mahe and Lakshadweep during 22nd-23rd July; South Interior Karnataka during 22nd-24th July and on 28th July; Telangana during 23rd-28th July.
- **Fairly Widespread to Widespread** rainfall likely over Kerala & Mahe and Lakshadweep during 24th-28th July; Coastal Karnataka during 22nd-28th July; South Interior Karnataka during 25th-27th July; Telangana on 22nd July.
- Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Tamil Nadu, Puducherry & Karaikal during 22nd-26th July; Coastal Andhra Pradesh & Yanam during 24th-26th July; Rayalaseema during 22nd-24th July, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Coastal Karnataka and Kerala & Mahe during 22nd-23rd July; North Interior Karnataka and South Interior Karnataka during 22nd-26th July; Rayalaseema during 25th-26th July; Telangana during 22nd-28th July.
- Isolated **thunderstorm & lightning** likely over Coastal Andhra Pradesh & Yanam during 22nd-23rd July.

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- Isolated **heavy rainfall** likely over Kerala & Mahe, North Interior Karnataka, South Interior Karnataka and Telangana during 22nd-23rd July; Coastal Karnataka on 23rd July and during 26th-28th July with isolated **very heavy rainfall** also likely over Coastal Karnataka on 22nd July.
- Strong Surface Winds likely over Coastal Karnataka during 22nd-23rd July; Coastal Andhra Pradesh & Yanam, North Interior Karnataka, Rayalaseema and South Interior Karnataka during 22nd-26th July; Telangana during 22nd-28th July.

Main Weather Observations:

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

❖ **Significant rainfall recorded(in cm)** (from 0830 hours IST of yesterday to 0830 hours IST of today): **Gujarat Region:** Kaprada (dist Valsad) 42; Daman Fmo (dist Daman) 34; Silvassa (dist Dadara & Nagar Haveli) 33; Daman AWS (dist Daman) 32; Chikhli (dist Navsari) 28; Pardi (dist Valsad) 26; Valsad (dist Valsad), Vansda (dist Navsari) 25 Each; Khergam (dist Navsari) 23; Daman (dist Daman) 22; Nanipalson (dist Valsad) 21; Madhbun (dist Dadara & Nagar Haveli) 20; Dang Kvk AWS (dist Dangs) 19; Dharampur (dist Valsad), Waghai (dist Dangs) 18 Each; Khanvel (dist Dadara & Nagar Haveli) 16; Umernagar (dist Valsad) 14; Bardoli (dist Surat), Dangs (ahwa) (dist Dangs) 13 Each; Mahuva (dist Surat), Vapi (dist Valsad), Gandevi (dist Navsari), Palsana (dist Surat) 12 Each; Vyara AWS (dist Tapi), Dolvan (dist Tapi) 11 Each; Vyara (dist Tapi), Umerpada (dist Surat), Subir (dist Dangs) 10 Each; Valod (dist Tapi), Ukai (dist Surat) 9 Each; Navasari AWS (dist Navsari), Songadh (dist Tapi) 8 Each; Hansot (dist Bharuch), Olpad (dist Surat), Choryasi (dist Surat), Kamrej (dist Surat) 7 Each; **Coastal Karnataka:** Jagalbet (dist Uttara Kannada) 22; Kollur (dist Udupi) 7; **Odisha:** Athgarh (dist Cuttack) 21; Hatadihi (dist Keonjhar) 19; Gurundia (dist Sundargarh) 16; Khairi (dist Balasore) 14; Deogarh (dist Deogarh), Tarva (dist Sonepur), Batli (dist Bargarh) 12 Each; Khandapara (dist Nayagarh), Oupada (dist Balasore), Raurkela (dist Sundargarh), Rajgangpur (dist Sundargarh) 11 Each; Satyabadi (dist Puri), Mandira Dam (dist Sundargarh), Lephripada (dist Sundargarh) 10 Each; Banki (dist Cuttack), Tensa (dist Sundargarh), Tigiria (dist Cuttack), Sambalpur (dist Sambalpur), Dhankauda (dist Sambalpur) 9 Each; Hindol (dist Dhenkanal), Hirakud (dist Sambalpur), Barpalli (dist Bargarh), Naraj (dist Cuttack), Burla (dist Sambalpur), Akhuapada (dist Bhadrak), Gop (dist Puri), Panposh (dist Sundargarh), Begunia (dist Khurda), Bhapur (dist Nayagarh) 8 Each; Mahendragarh (dist Gajapati), Kantamal (dist Boudhgarh), Joshipur (dist Mayurbhanj), Atabira (dist Bargarh), Niali (dist Cuttack), Reamal (dist Deogarh), Khairamal (dist Boudhgarh), Jujumura (dist Sambalpur), Tikarpara (dist Angul), Banspal (dist Keonjhar), Jatni (dist Khurda), Bamra (dist Sambalpur), Mundali (dist Cuttack) 7 Each; **Chhattisgarh:** Surajpur (dist Surajpur) 19; Chhal (dist Raigarh) 15; Kartala (dist Korba) 14; Tamnar (dist Raigarh) 12; Ambikapur (dist Surguja), Latori (dist Surajpur), Barpali (dist Korba) 10 Each; Bhaisma (dist Korba) 9; Sonhat (dist Koriya), Pusaur (dist Raigarh), Mohla (dist Mohala Manpur Chowki), Ramanujnagar (dist Surajpur), Aundhi (dist Mohala Manpur Chowki), Raipur City (dist Raipur), Mandir Hasoud (dist Raipur) 8 Each; Balod (dist Balod), Dondilohara (dist Balod), Raigarh (dist Raigarh), Baloda Bazar (dist Baloda Bazar), Mana-Raipur-AP (dist Raipur), Dongargaon (dist Rajnandgaon), Rajnandgaon (dist Rajnandgaon), Baloda (dist Janjgir), Chhuria (dist Rajnandgaon), Premnagar (dist Surajpur), **Bihar:** Surajpur (dist Surajpur), Bhothiya (dist Sakti) 7 Each; **Punjab:** Amritsar (dist Amritsar) 18; Madhopur (dist Pathankot) 16; Phangota (dist Pathankot) 13; Thein Dam AWS (dist Pathankot) 10; Nangal (dist Rupnagar) 9; Ranjit Sagar Dam Site (dist Pathankot) 8; Gurudaspur (dist Gurdaspur), Malikpur (dist Pathankot), Bhakra Dam Nangal AWS (dist Rupnagar) 7 Each; **Madhya Maharashtra:** Lonavala ARG (dist Pune) 18; Igatpuri (dist Nashik) 15; Mahabaleshwar (dist Satara), Ozarkheda - Fmo (dist Nashik) 14 Each; Surgana (dist Nashik), Peth (dist Nashik) 12 Each; Radhanagari (dist Kolhapur) 11; Vani-arg (dist Nashik), Chandwad (dist Nashik) 9 Each; Gaganbawada (dist Kolhapur), Trimbakshwar (dist Nashik), Harsul - Fmo (dist Nashik) 8 Each; Paud Mulshi (dist Pune), Velhe (dist Pune) 7 Each; **West Madhya Pradesh:** Maksudangarh (dist Guna) 17; Goharganj (dist Raisen), Kumbhraj (dist Guna) 13 Each; Sultanpur (dist Raisen) 12; Budhni (dist Sehore) 11; Narmadapuram (dist Narmadapuram), Pohri (dist Shivpuri) 10 Each; Berasia (dist Bhopal), Rehti (dist Sehore) 8 Each; Nasrullahganj (dist Sehore), Sohagpur (dist Narmadapuram), Shamshabad (dist Vidisha), Pachore (dist Raigarh) 7 Each; **Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad:** Kathua ARG (dist Kathua), Kathua (dist Kathua) 15 Each; Burmal ARG (dist Kathua), Kathua Kvk (dist Kathua) 14 Each; Samba AWS (dist Samba) 13; Udhampur(IAF) (dist Udhampur) 11; Jammu AP (dist Jammu) 7; **East Rajasthan:** Chipabarod SR (dist Baran) 14; Uniara/aligarh (dist Tonk), Khanpur (dist Jhalawar) 9 Each; Talera SR (dist Bundi), Chabra (dist Baran) 7 Each; **Jharkhand:** Majhgaon (dist West Singhbhum) 14; Sonua (dist West Singhbhum), Manoharpur (dist West Singhbhum), Goikera (dist West Singhbhum) 9 Each; Bau Kanke (dist Ranchi), Gudri (dist West Singhbhum) 8 Each; **Konkan & Goa:** Matheran (dist Raigad), Talasari

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(dist Palghar) 14 Each; Mokheda - Fmo (dist Palghar), Jawhar (dist Palghar) 11 Each; Dodamarg (dist Sindhudurg) 10; Sanguem (dist South Goa), Khed (dist Ratnagiri), Khalapur (dist Raigad), Wakwali ARG (dist Ratnagiri) 9 Each; Sudhagad Pali (dist Raigad), Roha (dist Raigad), Mhasla (dist Raigad), Vaibhavwadi (dist Sindhudurg), Quepem (dist South Goa) 8 Each; Mangaon (dist Raigad), Panvel ARG (dist Raigad), Thane (dist Thane), Karjat ARG (dist Raigad), Dahanu (dist Palghar) 7 Each; **East Madhya Pradesh:** Jaisingh Nagar (dist Shahdol) 13; Malanjkhanda (dist Balaghat), Paraswada (dist Balaghat), Lalburra (dist Balaghat), Budhar (dist Shahdol), Amarpur (dist Dindori), Baihar (dist Balaghat) 7 Each; **Himachal Pradesh:** Mashobra AWS (dist Shimla) 12; Naina Davi (dist Bilaspur) 11; Nangal Dam (dist Una) 9; Malraun (dist Bilaspur) 8; Simla (dist Shimla), Jatton Barrage (dist Sirmaur), Kufri (dist Shimla) 7 Each; **Assam & Meghalaya:** Dalgaon ARG (dist Darrang) 10; Tangla ARG (dist Udalguri) 8; Guwahati ARG (dist Kamrup Metropolitan), Mawkyrwat (dist South West Khasi Hills), Dhansiri ARG (dist Karbi Anglong) 7 Each; **Vidarbha:** Dhanora (dist Gadchiroli), Korchi (dist Gadchiroli) 10 Each; Arjuni Morgaon (dist Gondia), Desaignanj (dist Gadchiroli) 9 Each; Armori (dist Gadchiroli), Sadakarjuni (dist Gondia) 8 Each; Kurkheda (dist Gadchiroli), Deori (dist Gondia), Perseoni (dist Nagpur) 7 Each; **Arunachal Pradesh:** Naharlagun AWS (dist Papumpara) 10; Itanagar (dist Papumpara), Wakro AWS (dist Lohit) 8 Each; **Nagaland, Manipur, Mizoram & Tripura:** Adc Office Naginimora (dist Mon) 9; **Uttarakhand:** Loharkhet (dist Bageshwar) 8; **Telangana:** Kaleswaram (dist J. Bhupalpally) 8; **Gangetic West Bengal:** Durgachack (dist East Midnapore) 8; Kansabati Dam (dist Bankura), Amfu Kakdwip (dist South 24 Parganas) 7 Each; **East Uttar Pradesh:** Mau Tehsil (dist Chitrakoot) 7; **West Uttar Pradesh:** Madawara (dist Lalitpur) 7; **Haryana-Chandigarh-Delhi:** Palwal (dist Palwal) 7; **Sub Himalayan West Bengal & Sikkim:** Yuksom (dist Gyalshing) 7.

❖ **Heavy Rainfall observed** (from 0830 hours IST of yesterday to 0830 hours IST of today): **Extremely heavy rain** at isolated places over Odisha, Gujarat Region and Coastal Karnataka. **Heavy to very heavy rain** at isolated places over Odisha, Jharkhand, Punjab, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, East Rajasthan, West Madhya Pradesh, East Madhya Pradesh, Gujarat Region, Konkan & Goa, Madhya Maharashtra and Chhattisgarh. **Heavy rain** at a few places over Konkan & Goa and at isolated places over Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Sub Himalayan West Bengal & Sikkim, Gangetic West Bengal, East Uttar Pradesh, West Uttar Pradesh, Uttarakhand, Haryana-Chandigarh-Delhi, Vidarbha, Telangana and Coastal Karnataka.

❖ **Minimum Temperature Departures (as on 22-07-2026):** **markedly above normal(> 5.1°C)** at isolated places over Assam & Meghalaya, Bihar, West Uttar Pradesh, Himachal Pradesh, West Rajasthan, West Madhya Pradesh and Saurashtra & Kutch. **appreciably above normal(3.1°C to 5.0°C)** at few places over Sub Himalayan West Bengal & Sikkim and East Madhya Pradesh; at isolated places over Andaman & Nicobar Islands, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Odisha, East Uttar Pradesh, West Uttar Pradesh, East Rajasthan, West Madhya Pradesh, Gujarat Region, Madhya Maharashtra and Coastal Andhra Pradesh & Yanam. **above normal(1.6°C to 3.0°C)** at few places over Andaman & Nicobar Islands, West Rajasthan, Coastal Andhra Pradesh & Yanam and Lakshadweep; at isolated places over Gangetic West Bengal, Odisha, Jharkhand, East Rajasthan, West Madhya Pradesh, East Madhya Pradesh, Gujarat Region, Saurashtra & Kutch, Rayalaseema, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe. **near normal(-1.5°C to 1.5°C)** at many places over Assam & Meghalaya, Sub Himalayan West Bengal & Sikkim, Odisha, East Uttar Pradesh, Uttarakhand, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, West Rajasthan, East Rajasthan, West Madhya Pradesh, Gujarat Region, Saurashtra & Kutch, Konkan & Goa, Marathwada, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Tamil Nadu, Puducherry & Karaikal and Lakshadweep; at most places over Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Gangetic West Bengal, Jharkhand, Bihar, West Uttar Pradesh, Punjab, Madhya Maharashtra, Chhattisgarh, Coastal Karnataka, North Interior Karnataka, South Interior Karnataka and Kerala & Mahe; at few places over Andaman & Nicobar Islands, Haryana-Chandigarh-Delhi, East Madhya Pradesh and Vidarbha. **The lowest minimum temperature** of 22.5°C was reported at Hardoi (East Uttar Pradesh) over the Plains of India.

❖ **Maximum Temperature Departures (as on 21-07-2026):** **markedly above normal(> 5.1°C)** at most places over Arunachal Pradesh; at few places over Assam & Meghalaya and Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad. **appreciably above normal(3.1°C to 5.0°C)** at isolated places over Sub Himalayan West Bengal & Sikkim, Himachal Pradesh, West Rajasthan, Saurashtra & Kutch and Tamil Nadu, Puducherry & Karaikal. **above normal(1.6°C to 3.0°C)** at isolated places over Nagaland, Manipur, Mizoram & Tripura. **near normal(-1.5°C to 1.5°C)** at most places over Lakshadweep; at few places over Andaman & Nicobar Islands, West Uttar Pradesh, Uttarakhand, Punjab and Konkan & Goa; at isolated places over Gangetic West Bengal, Odisha, Haryana-Chandigarh-Delhi, West Madhya Pradesh and Kerala & Mahe. **The highest maximum temperature** of 42.9°C was reported at

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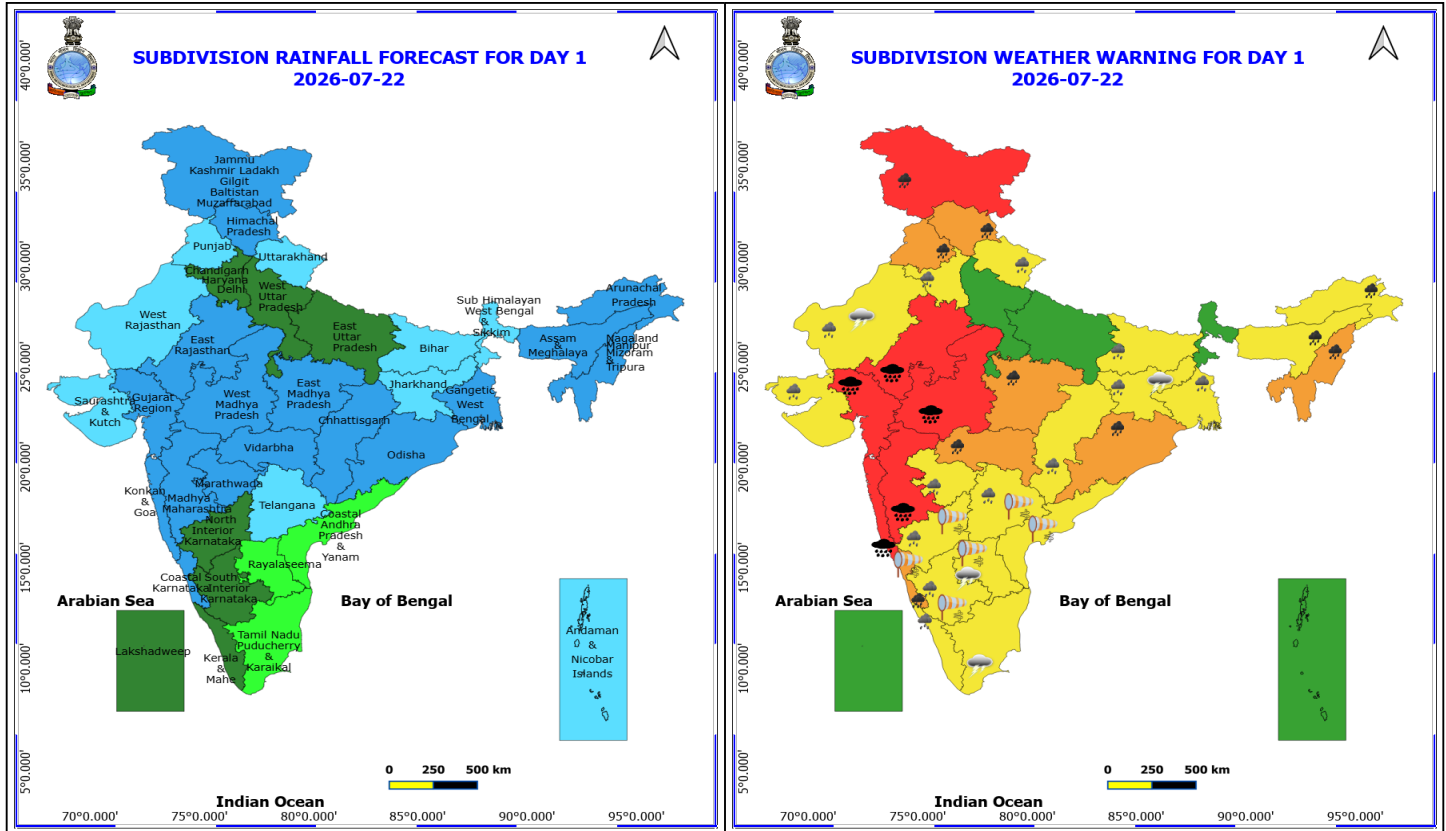


SRIGANGANAGAR (RAJASTHAN).



Meteorological Analysis (Based on 0830 hours IST)

- The **upper air cyclonic circulation** now lies over Central parts of north Madhya Pradesh and extends upto 7.6 km above mean sea level tilting southeastwards with height.
- The **Monsoon trough** at mean sea level now passes through Bikaner, Banasthali Vidyapeeth, Guna, Damoh, Pendra Road, Midnapore and thence southeastwards towards Northeast Bay of Bengal and extends upto 3.1 km above mean sea level tilting southwards with height across the above cyclonic circulation.
- The **east-west shear zone** roughly along 22°N Lat. persists and now seen between 5.8 & 7.6 km above mean sea level tilting southwards with height across the above cyclonic circulation.
- The **Western Disturbance** as a cyclonic circulation over north Pakistan & adjoining north Punjab now lies over Jammu & neighbourhood at 3.1 km above mean sea level with a trough aloft in middle & upper tropospheric westerlies with its axis at 5.8 km above mean sea level runs roughly along Long. 70°E to the north of Lat. 32°N.
- The **upper air cyclonic circulation** over north Assam & neighbourhood now lies over northeast Assam & neighbourhood at 0.9 km above mean sea level.



22 July (Day 1)

- ❖ **Heavy to Very Heavy Rainfall with isolated Extremely Heavy Rainfall** very likely at isolated places over East Rajasthan, Gujarat Region, Konkan & Goa, Madhya Maharashtra and West Madhya Pradesh.
- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Coastal Karnataka, East Madhya Pradesh, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Nagaland, Manipur, Mizoram and Tripura, Odisha, Punjab and Vidarbha.
- ❖ **Heavy Rainfall** very likely at isolated places over Bihar, Chhattisgarh, Gangetic West Bengal, Haryana, Chandigarh & Delhi, Interior Karnataka, Jharkhand, Kerala & Mahe, Marathwada, Saurashtra & Kutch, Telangana, Uttarakhand and West Rajasthan.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Jharkhand, Rayalaseema, Tamil Nadu Puducherry & Karaikal and West Rajasthan.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Andaman & Nicobar Islands, Bihar, East Rajasthan, Gangetic West Bengal, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Karnataka, Kerala & Mahe, Madhya Pradesh and Telangana.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Chhattisgarh, Coastal Andhra Pradesh, Gujarat State, Nagaland, Manipur, Mizoram and Tripura, Odisha, Sub Himalayan West Bengal & Sikkim, Uttarakhand and Vidarbha.
- ❖ **Strong Surface Winds** very likely at isolated places over Andhra Pradesh, Karnataka and Telangana.
- ❖ **Arabian Sea: Squally wind with speed 50-60 kmph gusting to 70 kmph** is likely to prevail along and off north Maharashtra coasts adjoining eastcentral Arabian Sea.

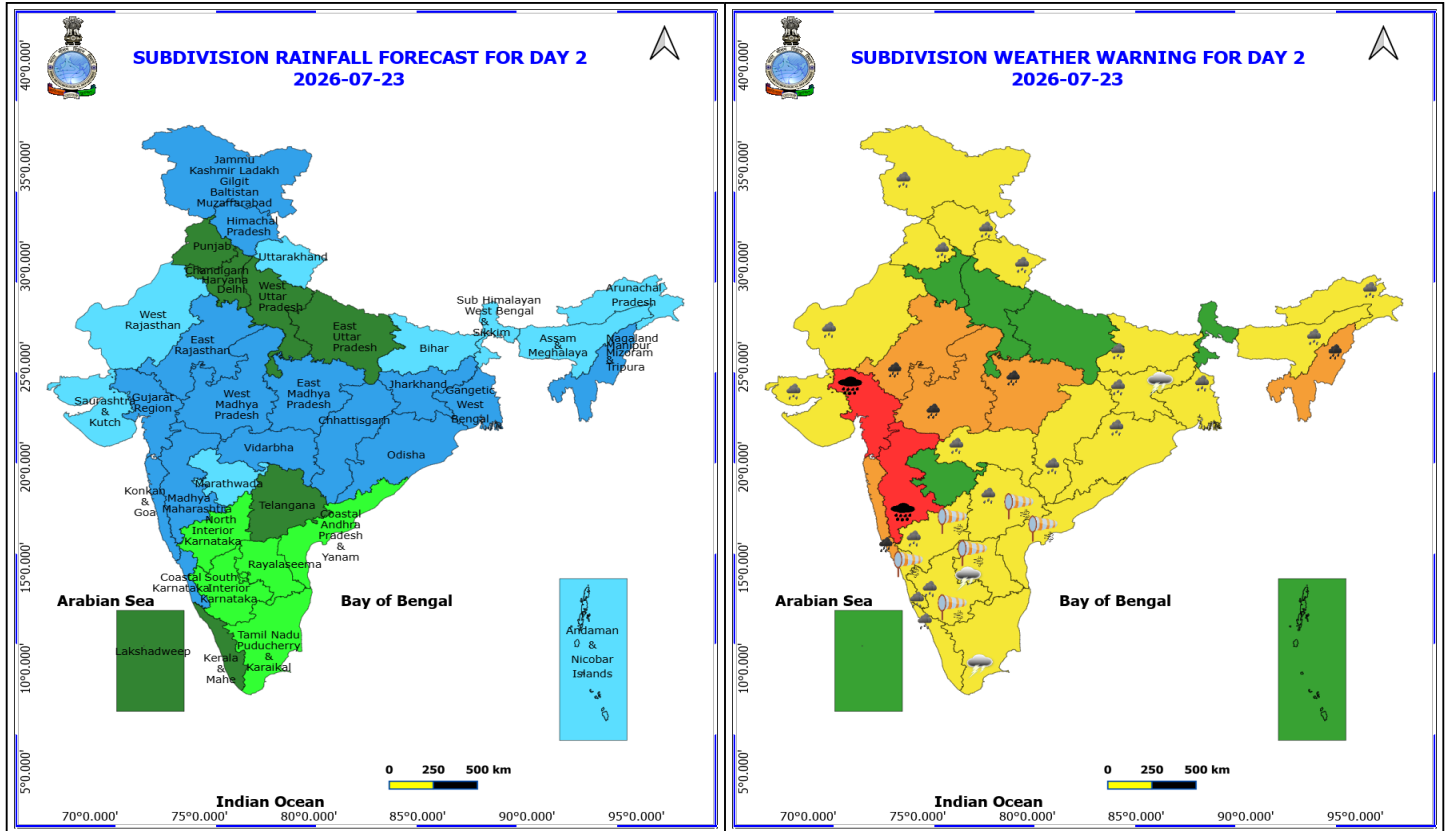
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- ❖ **Squally wind with speed 45-55 kmph gusting to 65 kmph** is likely to prevail over most parts of central adjoining some parts of north & southwest Arabian Sea, along and off Somalia, Oman, south Gujarat adjoining sea areas.
- ❖ **Squally Weather with wind speed 40-50 kmph gusting to 60 kmph** is likely to prevail along and off south Maharashtra, Goa and Karnataka coasts adjoining eastcentral Arabian Sea.
- ❖ **Bay of Bengal: Squally Weather with wind speed 40-50 kmph gusting to 60 kmph** is likely to prevail along and off Odisha adjoining northwest Bay of Bengal.



23 July (Day 2)

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

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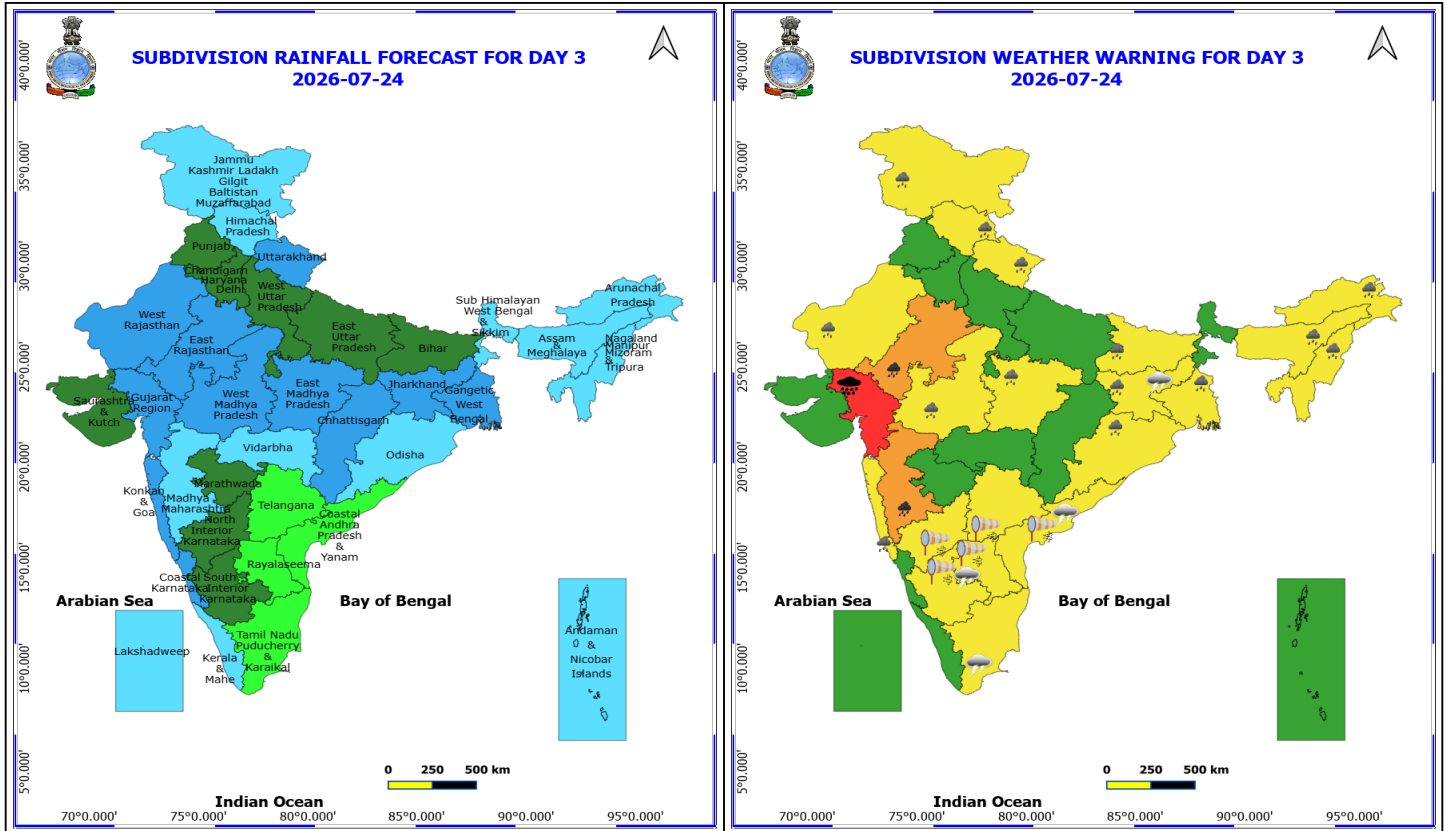
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north Maharashtra coasts.

- ❖ **Squally Weather with wind speed 40-50 kmph gusting to 60 kmph** is likely to prevail along and off Karnataka coasts adjoining 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 gulf of Mannar.



24 July (Day 3)

- ❖ **Heavy to Very Heavy Rainfall with isolated Extremely Heavy Rainfall** very likely at isolated places over Gujarat Region.
- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over East Rajasthan and Madhya Maharashtra.
- ❖ **Heavy Rainfall** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Bihar, Gangetic West Bengal, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Jharkhand, Konkan & Goa, Madhya Pradesh, Nagaland, Manipur, Mizoram and Tripura, Odisha, Uttarakhand and West Rajasthan.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Andhra Pradesh, Jharkhand and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Andaman & Nicobar Islands, Bihar, Gangetic West Bengal, Interior Karnataka, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Odisha and Telangana.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Chhattisgarh, Gujarat State, Madhya Pradesh, Nagaland, Manipur, Mizoram and Tripura, Rajasthan, Sub Himalayan West Bengal & Sikkim, 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 over most parts of west central adjoining some parts of east central, north and south west Arabian Sea and, along and off Somalia and Oman Coasts, along and off south Gujarat adjoining north Gujarat coasts.

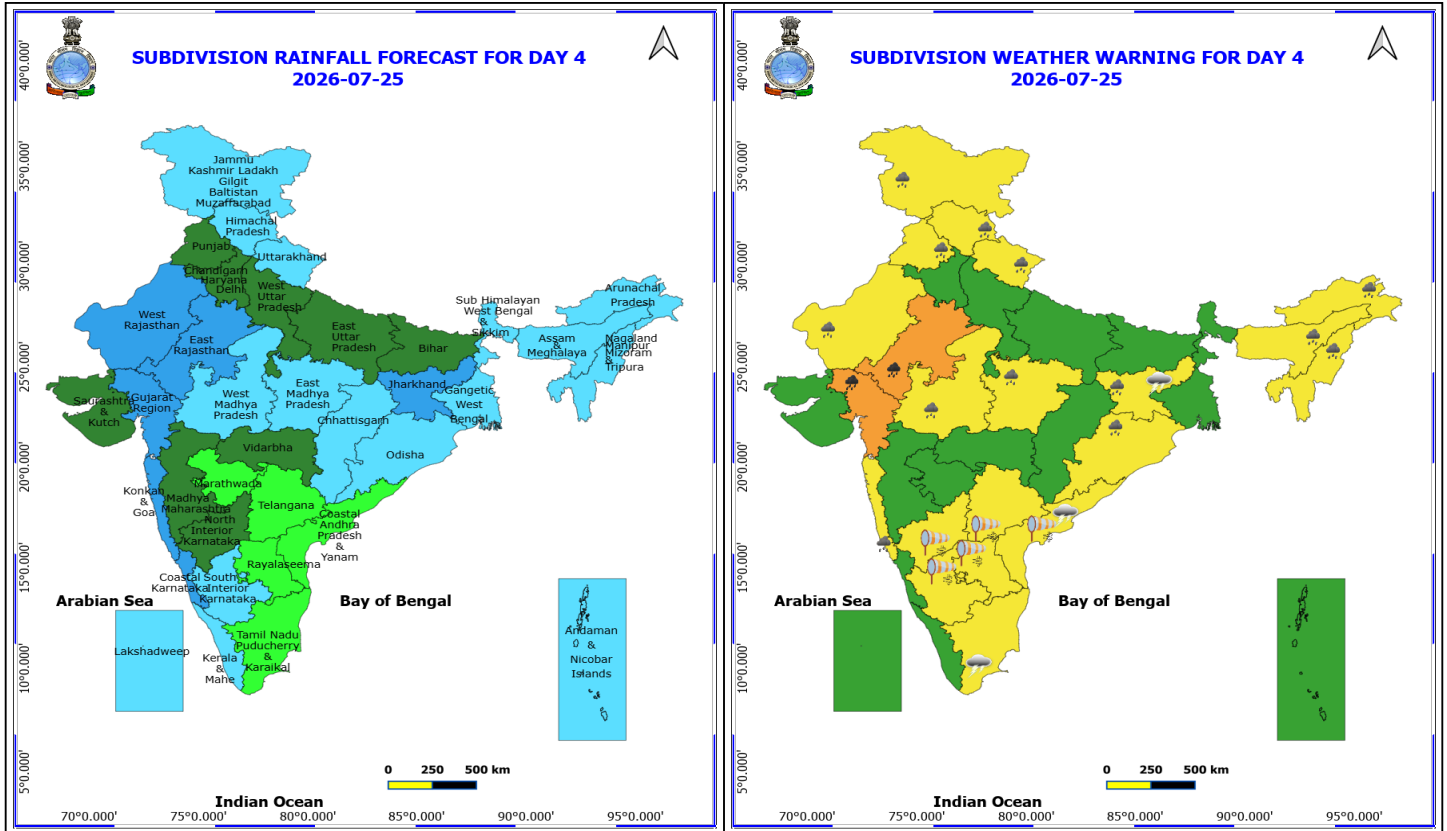
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❖ **Squally Weather with wind speed 40-50 kmph gusting to 60 kmph** is likely to prevail along and off north Maharashtra coasts adjoining eastcentral Arabian Sea.



25 July (Day 4)

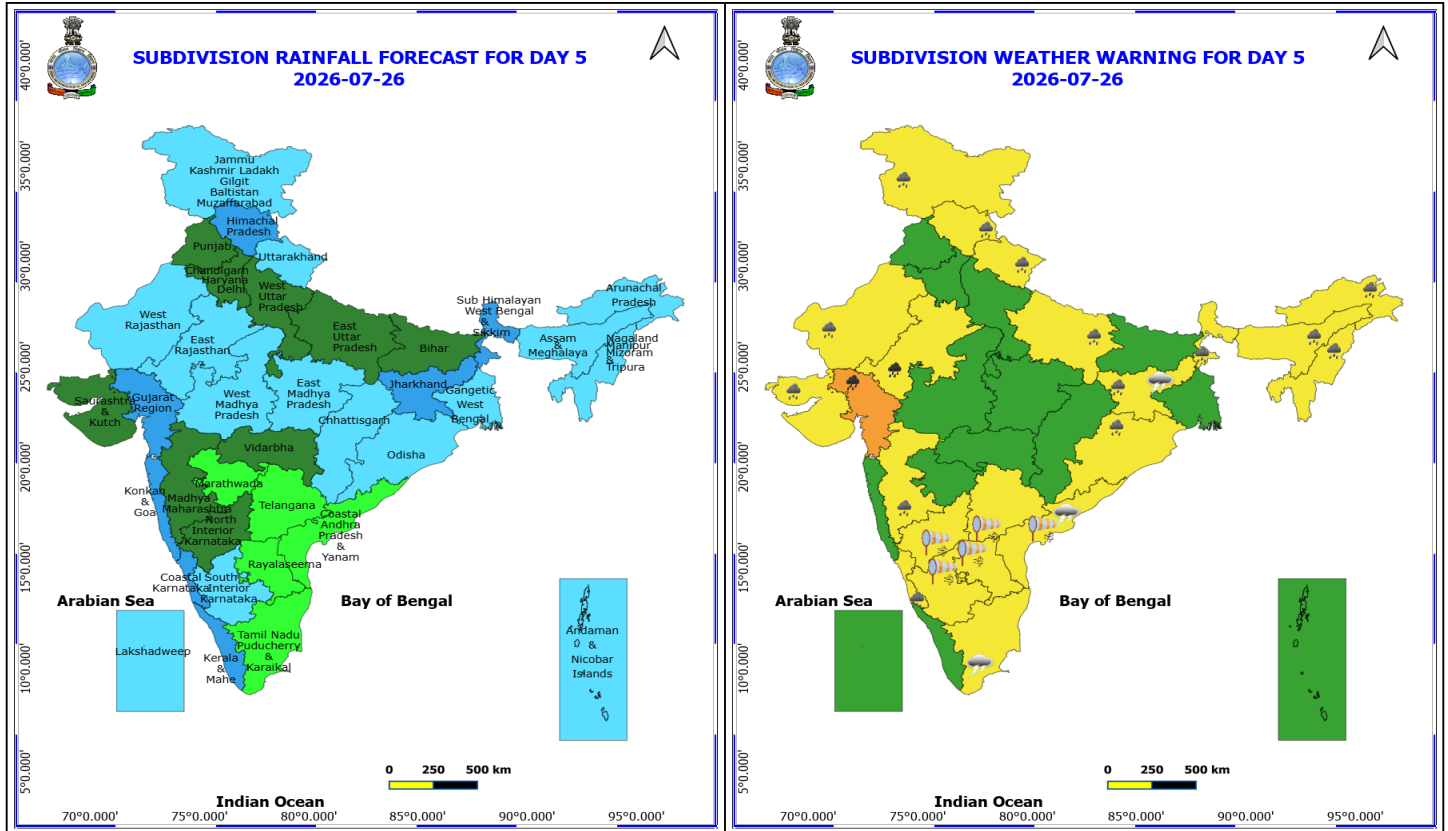
- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over East Rajasthan and Gujarat Region.
- ❖ **Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Jharkhand, Konkan & Goa, Madhya Pradesh,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

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26 July (Day 5)

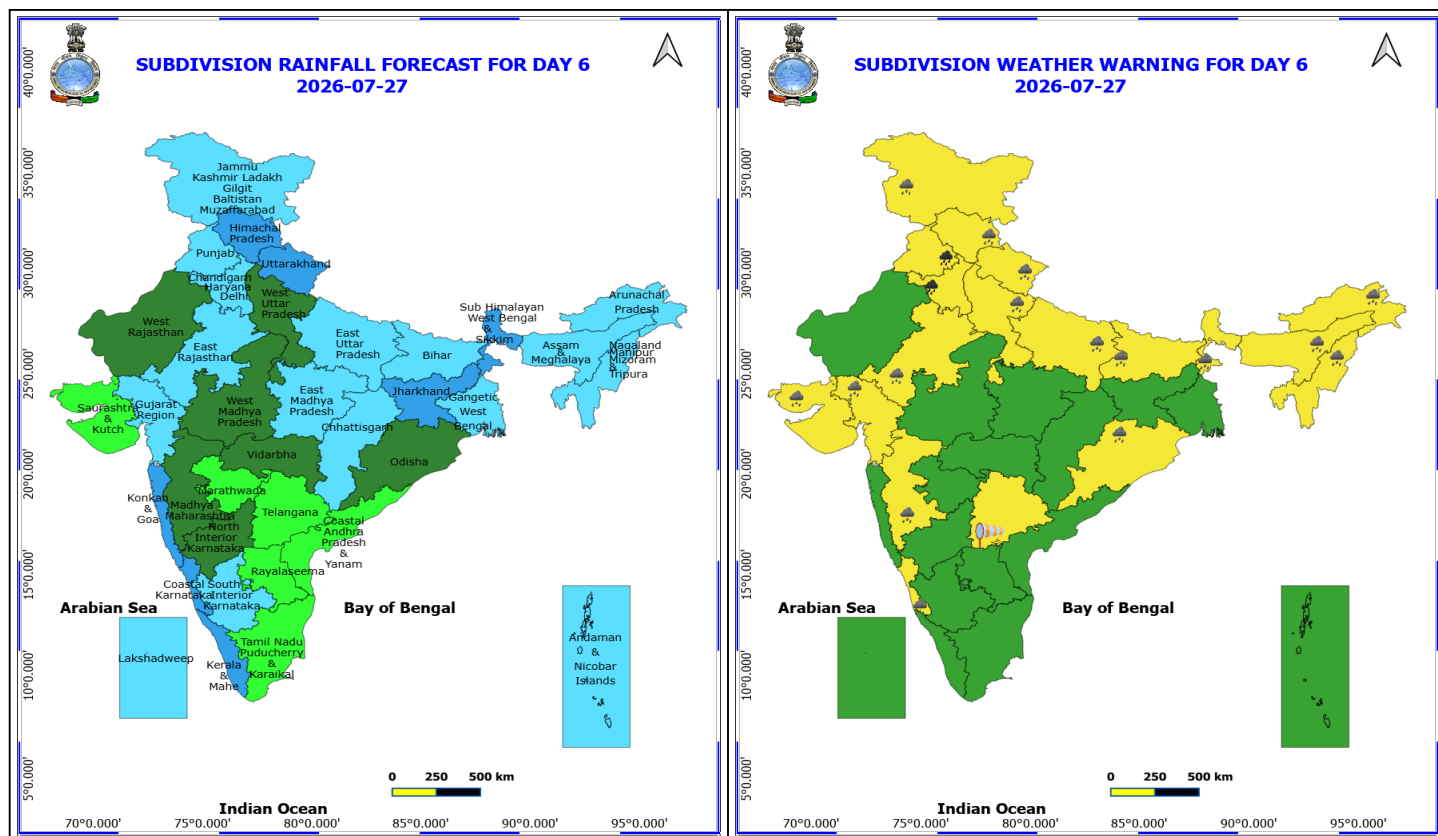
- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over East Rajasthan and Gujarat Region.
- ❖ **Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Coastal Karnataka, East Uttar Pradesh, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Jharkhand, Madhya Maharashtra, Nagaland, Manipur, Mizoram and Tripura, Odisha, Saurashtra & Kutch, Sub Himalayan West Bengal & Sikkim, Uttarakhand and West Rajasthan.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Coastal Andhra Pradesh, Jharkhand and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Andaman & Nicobar Islands, Bihar, Interior Karnataka, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Odisha, Rayalaseema and Telangana.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Chhattisgarh, Gujarat Region, Madhya Pradesh, Nagaland, Manipur, Mizoram and Tripura, Rajasthan, Sub Himalayan West Bengal & Sikkim and Uttarakhand.
- ❖ **Strong Surface Winds** likely at isolated places over Andhra Pradesh, Interior Karnataka and Telangana.
- ❖ **Arabian Sea: Squally wind with speed 45-55 kmph gusting to 65 kmph** is likely to prevail over most parts of west central adjoining some parts of east central, few parts of north and south west Arabian Sea and, along and off Somalia and Oman Coasts, over few parts of Gulf of Mannar.

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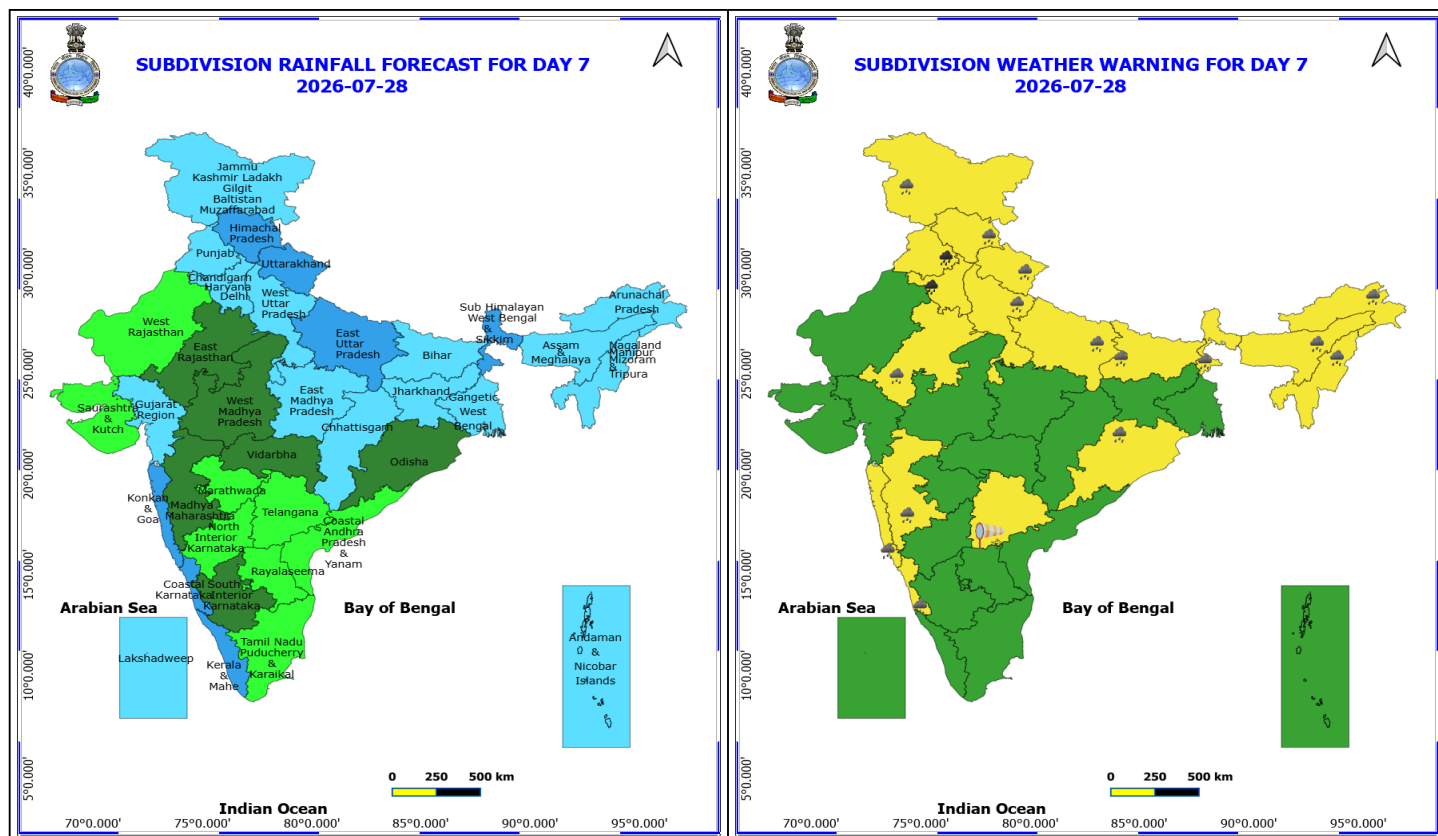
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27 July (Day 6)

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

No Fishermen Warning



28 July (Day 7)

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

No Fishermen Warning

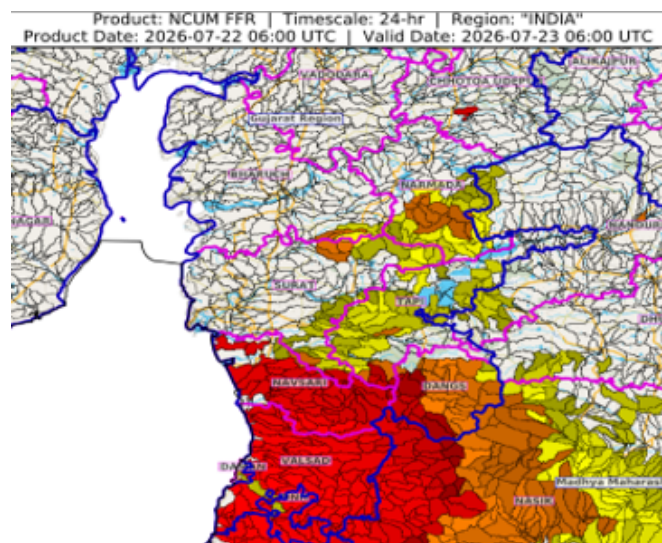
Flash Flood Warnings

Flash Flood Risk (FFR) till 1130 IST of 23-07-2026:

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

Gujarat Region: Dadara & Nagar Haveli, Daman, Valsad, Navsari, Tapi, Surat, Narmada, Bharuch and Chhota Udepur 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.



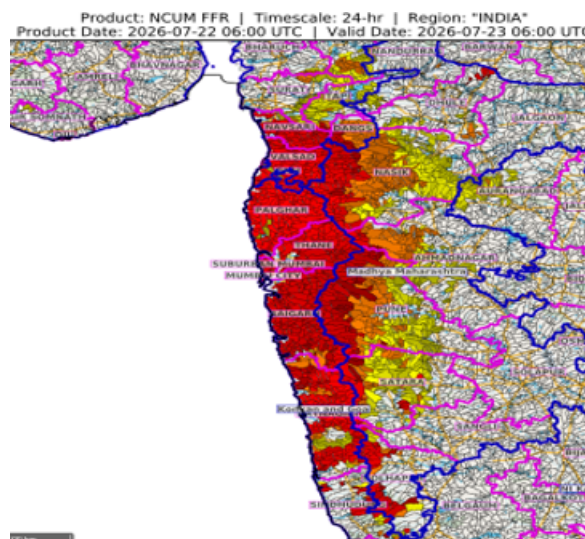
Flash Flood Risk (FFR) till 1130 IST of 23-07-2026:

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

Madhya Maharashtra: Satara, Kolhapur, Pune, Ahilyanagar, Nashik, Dhule and Nandurbar districts

Konkan & Goa: Mumbai City, Mumbai Suburban, Palghar, Raigad, Sindhudurg, Thane and Ratnagiri 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.



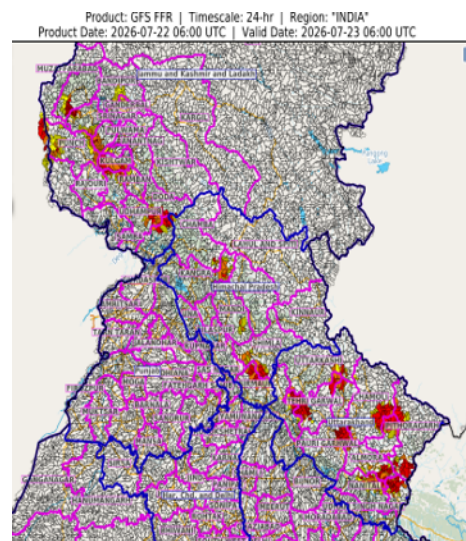
Flash Flood Risk (FFR) till 1130 IST of 23-07-2026:

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

Jammu & Kashmir & Ladakh: Kathua, Doda, Udhampur, Ramban, Reasi, Kulgam, Shopian, Badgam, Baramula, Muzzafarabad, Ganderbal, Bandipora, Poonch and Kupwara districts

Himachal Pradesh: Sirmaur, Shimla, Mandi, Kangra and Chamba districts

Uttarakhand: Uttarkashi, Garhwal Tehri, Dehradun, Garhwal Pauri, Chamoli, Pithoragarh, Bageshwar,



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Almora, Champawat and Nainital districts.

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

Flash Flood Risk (FFR) till 1130 IST of 23-07-2026:

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

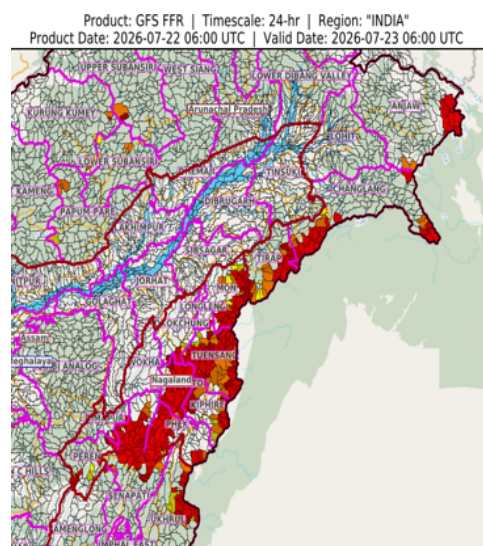
Nagaland Mizoram Manipur Tripura (NMMT):

Nagaland: Mon, Longleng, Mokokchung, Tuensang, Wokha, Zunheboto, Kiphire, Dimapur, Kohima, Phek and Peren districts

Manipur: Senapati and Ukhrul districts

Arunachal Pradesh: Tirap, Changlang and Anjaw 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	22- Jul	23- Jul	24- Jul	25- Jul	26- Jul	27- Jul	28- Jul
		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	WS	FWS	FWS	FWS	FWS	FWS	FWS
3	ASSAM & MEHGHALAYA	WS	FWS	FWS	FWS	FWS	FWS	FWS
4	N. M. M. & T.	WS	WS	FWS	FWS	FWS	FWS	FWS
5	S.H. WEST BENGAL & SIKKIM	FWS	FWS	FWS	FWS	WS	WS	WS
6	GANGETIC WEST BENGAL	WS	WS	WS	FWS	FWS	FWS	FWS
7	ODISHA	WS	WS	FWS	FWS	FWS	SCT	SCT
8	JHARKHAND	FWS	WS	WS	WS	WS	WS	FWS
9	BIHAR	FWS	FWS	SCT	SCT	SCT	FWS	FWS
10	EAST UTTAR PRADESH	SCT	SCT	SCT	SCT	SCT	FWS	WS
11	WEST UTTAR PRADESH	SCT	SCT	SCT	SCT	SCT	SCT	FWS
12	UTTARAKHAND	FWS	FWS	WS	FWS	FWS	WS	WS
13	HARYANA, CHD & DELHI	SCT	SCT	SCT	SCT	SCT	FWS	FWS
14	PUNJAB	FWS	SCT	SCT	SCT	SCT	FWS	FWS
15	HIMACHAL PRADESH	WS	WS	FWS	FWS	WS	WS	WS
16	JAMMU AND KASHMIR AND LADAKH	WS	WS	FWS	FWS	FWS	FWS	FWS
17	WEST RAJASTHAN	FWS	FWS	WS	WS	FWS	SCT	ISOL
18	EAST RAJASTHAN	WS	WS	WS	WS	FWS	FWS	SCT
19	WEST MADHYA PRADESH	WS	WS	WS	FWS	FWS	SCT	SCT
20	EAST MADHYA PRADESH	WS	WS	WS	FWS	FWS	FWS	FWS
21	GUJRAT REGION	WS	WS	WS	WS	WS	FWS	FWS
22	SAURASHTRA & KUTCH	FWS	FWS	SCT	SCT	SCT	ISOL	ISOL
23	KONKAN & GOA	WS	WS	WS	WS	WS	WS	WS
24	MADHYA MAHARASHTRA	WS	WS	FWS	SCT	SCT	SCT	SCT
25	MARATHWADA	WS	FWS	SCT	ISOL	ISOL	ISOL	ISOL
26	VIDARBHA	WS	WS	FWS	SCT	SCT	SCT	SCT
27	CHATTISGARH	WS	WS	WS	FWS	FWS	FWS	FWS
28	COASTAL ANDHRA PRADESH	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
29	TELANGANA	FWS	SCT	ISOL	ISOL	ISOL	ISOL	ISOL
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	SCT	ISOL	SCT	SCT	SCT	SCT	ISOL
34	SOUTH INTERIOR KARNATAKA	SCT	ISOL	SCT	FWS	FWS	FWS	SCT
35	KERALA	SCT	SCT	FWS	FWS	WS	WS	WS
36	LAKSHDWEEP	SCT	SCT	FWS	FWS	FWS	FWS	FWS

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

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Fig. 1: Maximum Temperatures Dated 2026-07-21

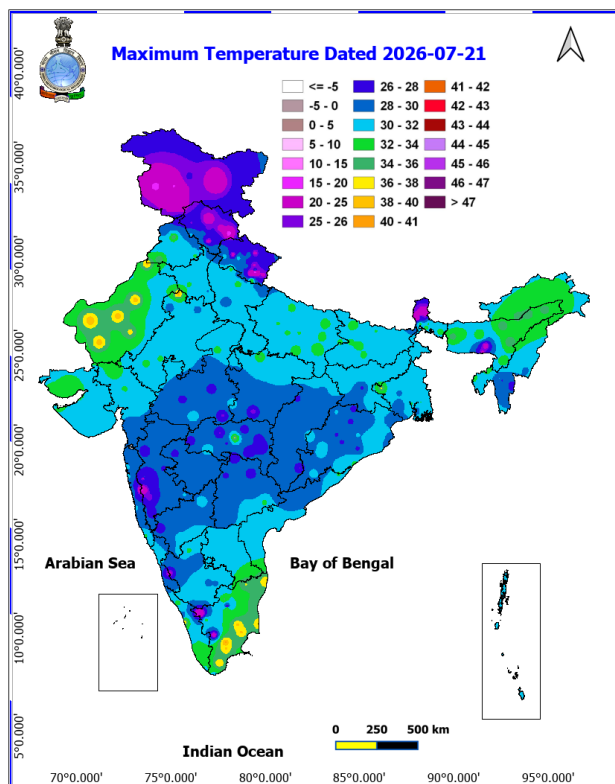


Fig. 2: Departure of Maximum Temp. Dated 2026-07-21

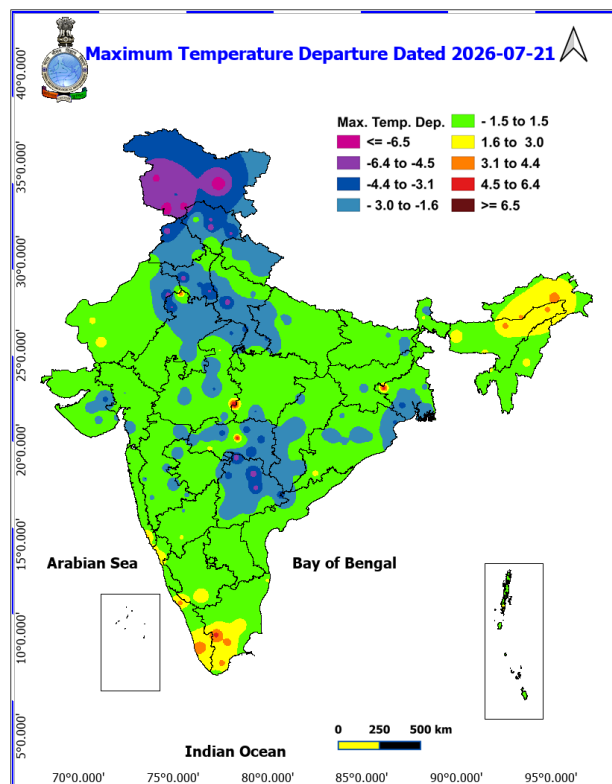


Fig. 3: Minimum Temperatures Dated 2026-07-22

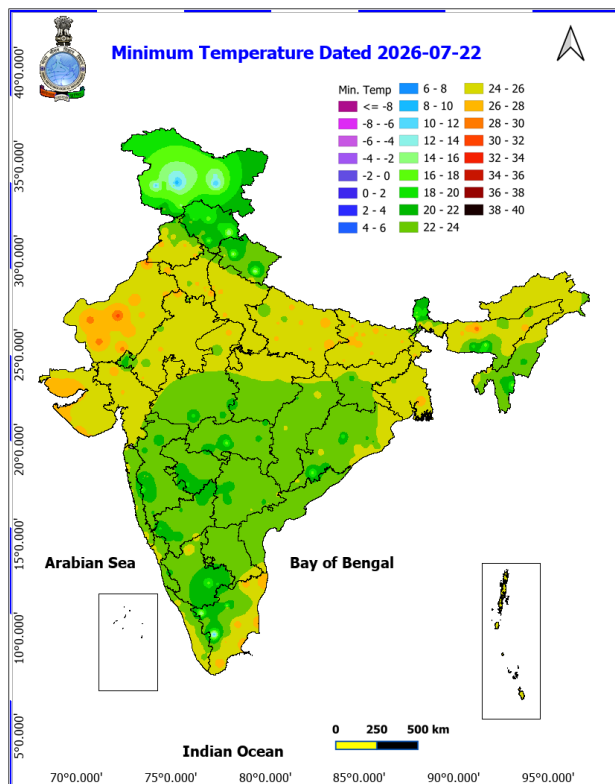
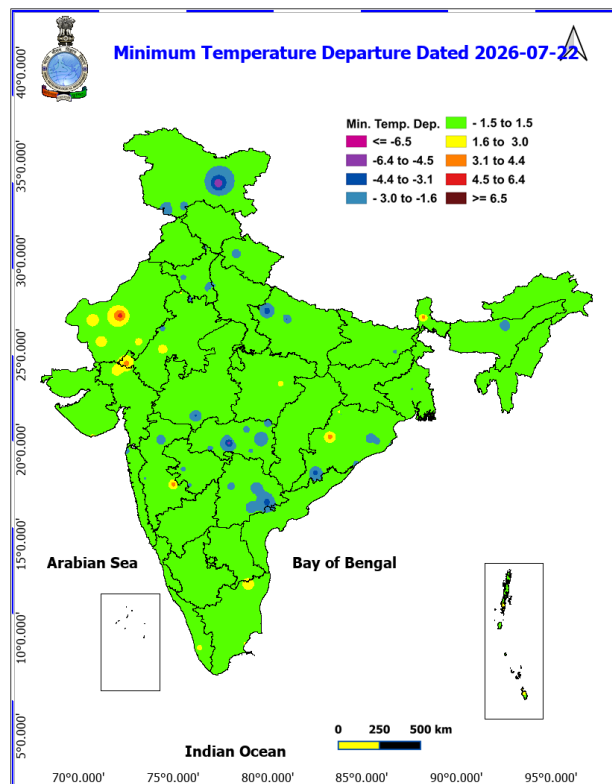
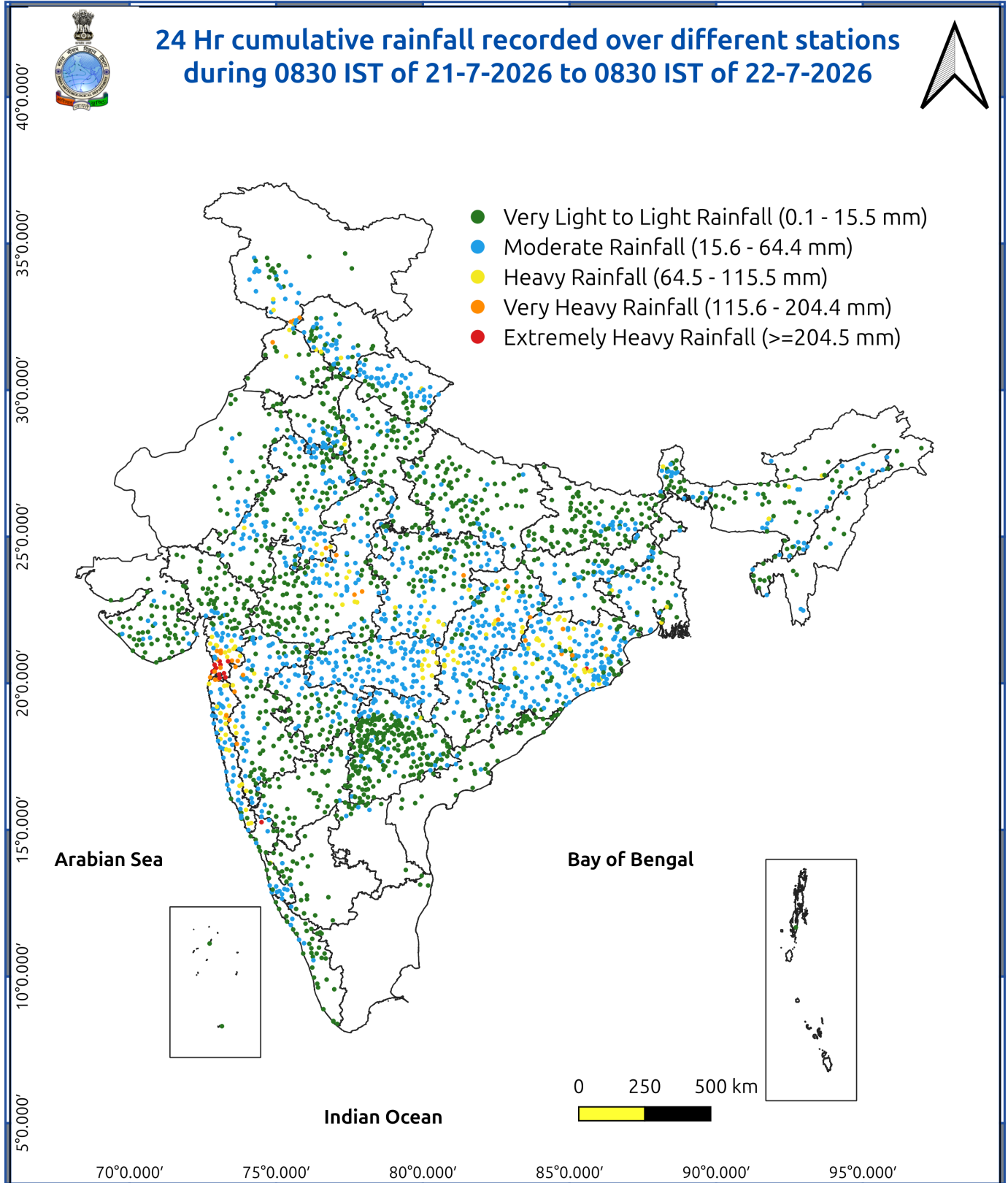


Fig. 4: Departure of Minimum Temp. Dated 2026-07-22





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Impact and Actions

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

- Heavy to very heavy rainfall at few places with extremely heavy rainfall likely at isolated places over Jammu-Kashmir-Ladakh; West Madhya Pradesh, Konkan & Goa on 22nd; over Madhya Maharashtra on 22nd & 23rd and Gujarat Region during 22nd -24th July.

Impact Expected

- Localized Flooding of roads, water logging in low lying areas and closure of underpasses mainly in urban areas.
- 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/landslides/mudslides/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 Rainfall

- In **Gujarat**, maintain continuous drainage and keep field channels clear in rice, cotton, pearl millet, maize, groundnut and vegetable fields to prevent prolonged waterlogging. Avoid transplanting and other field operations in waterlogged fields until conditions improve.
- In **Konkan & Goa**, maintain continuous drainage in rice nurseries, rice and vegetable fields and remove excess rainwater from low-lying areas to prevent prolonged waterlogging. Undertake gap filling and transplanting only where field conditions permit.
- In **Arunachal Pradesh**, maintain continuous drainage in rice, maize, soybean and finger millet fields, orchards and low-lying areas to prevent prolonged waterlogging. Harvest mature crops wherever field conditions permit.
- In **Assam**, keep field drainage channels clear and maintain continuous drainage in rice nurseries, jute, sugarcane, soybean, pigeon pea, sesame and vegetable fields to prevent prolonged waterlogging. Provide staking or support to banana, vegetables and other vulnerable crops against strong winds.
- In **Meghalaya**, maintain continuous drainage in rice nurseries and fields of maize, cowpea, okra and ginger to prevent prolonged waterlogging.
- In **Jammu and Kashmir**, postpone sowing of kharif pulses until field conditions improve. Maintain effective drainage in rice, maize, green gram and black gram fields to prevent waterlogging.
- In **Himachal Pradesh**, maintain continuous drainage in rice, maize, finger millet, tomato, brinjal, capsicum, chilli and cucumber fields and apple and pear orchards to facilitate quick removal of excess rainwater. Harvest mature fruits wherever field conditions permit.
- In **Nagaland, Manipur, Mizoram and Tripura** ensure continuous and effective drainage and remove any accumulated rainwater from soybean, black gram, ginger, turmeric, cole crop and vegetable fields to prevent residual waterlogging.
- In **Uttarakhand**, maintain effective drainage in rice, black gram, barnyard millet, finger millet, tomato and chilli fields to prevent prolonged waterlogging. Harvest mature tomato, French bean and potato wherever field conditions permit, and postpone sowing until field conditions improve.
- In **Punjab and Haryana**, maintain effective drainage in rice, maize, soybean, pigeon pea and groundnut fields

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and fruit orchards to prevent waterlogging. Postpone sowing of green gram until field conditions improve.

- In **East Rajasthan**, maintain continuous drainage and remove excess rainwater from low-lying soybean, maize, groundnut, cotton and pigeon pea fields to prevent prolonged waterlogging. Postpone irrigation, fertilizer and plant protection operations until field conditions improve.
- In **Odisha**, maintain continuous drainage and keep field channels clear in rice, maize, pulses, oilseed and vegetable fields to prevent prolonged waterlogging. Strengthen support for banana and postpone sowing or transplanting until field conditions improve.
- In **Madhya Maharashtra** maintain continuous drainage in standing crops, make necessary arrangements to remove excess rain water from the crop fields.
- In **Madhya Pradesh**, maintain effective drainage in soybean, maize, black gram, green gram, sesame and vegetable fields to prevent waterlogging.
- In **West Bengal**, ensure continuous and effective drainage in rice nurseries, jute, ginger and vegetable fields to prevent prolonged waterlogging. Inspect and strengthen bunds around rice nurseries and harvest mature tea leaves and vegetables wherever field conditions permit.
- In **Bihar**, ensure continuous drainage in rice, maize, sesame and pigeon pea fields to prevent prolonged waterlogging.
- In **Jharkhand**, ensure proper drainage in standing crop fields to prevent waterlogging.
- In **Coastal Karnataka**, keep field drainage channels clear and maintain continuous drainage in paddy fields, orchards and vegetable fields to prevent prolonged waterlogging. Postpone field operations until field conditions become suitable.
- In **Keralam**, maintain effective drainage in banana, coconut, cardamom, ginger, black pepper and vegetable fields to prevent waterlogging.
- In **Telangana**, maintain proper drainage in rice, maize, cotton, red gram, soybean and vegetable fields to prevent waterlogging. Postpone irrigation, fertilizer and plant protection operations until field conditions improve.

Agromet advisories for likely impact of Thunderstorm / Gusty Winds

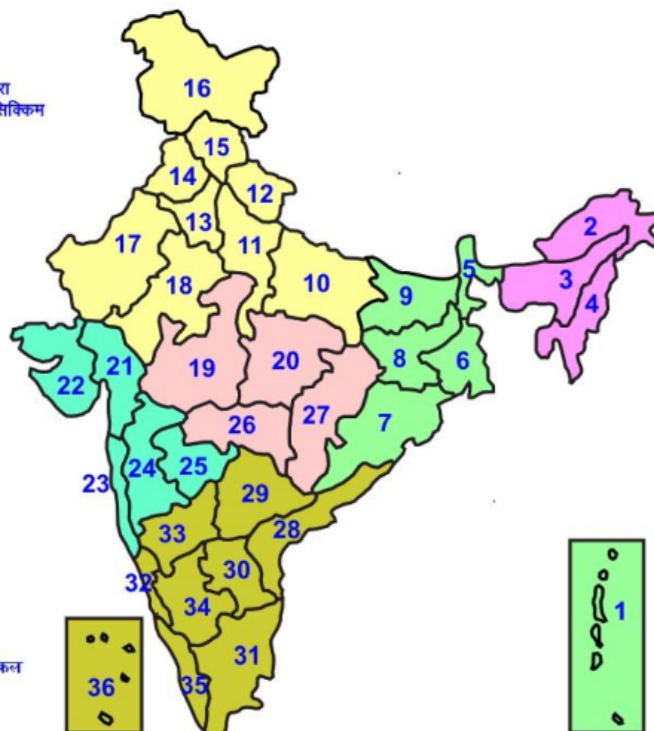
- Shift the harvested produce in safer places or cover the produce with tarpaulin sheets in the fields. Tie the harvested crops securely and cover them to minimize the risk of displacement from strong surface winds.
- Provide mechanical support to horticultural crops and staking or support to vegetables 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.
- In regions with high temperatures and heat wave conditions, provide clean, cool drinking water to animals, and cover the roofs of poultry sheds with grass to reduce the adverse effects of heat.
- 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 | | | |

*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

(Service to the nation since 1875)

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 atleast 1 minute.

Moderate: Wind speed 52-61 kmph
Severe: Wind speed 62-87 kmph
Very Severe: Wind speed > 87 kmph



Effect of various waves in the sea over specific area

Rough to very rough: Wind speed 41-62 kmph (22-33 knots) & Wave height 2.5-6 metre
High to very high: Wind speed 63-117 kmph (34-63 knots) & Wave height 6-14 metre
Phenomenal: Wind speed > 117 kmph (> 63 knots) & Wave height > 14 metre



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

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

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

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

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

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