



2025-06-23

Time of Issue: 14:20:00 hours IST
(Mid-Day)

ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

Significant Weather Features

Weather Systems, Forecast and Warnings:

East & Central India:

- ♦ **Extremely heavy rainfall (>20 cm/24 hours) likely at isolated places over West Madhya Pradesh on 23rd & 24th June.**
- ♦ Isolated **heavy to very heavy rainfall** also likely to continue over Madhya Pradesh during 23rd -27th June.
- ♦ Isolated **heavy rainfall** over Bihar, Jharkhand, Odisha, Chhattisgarh during 23rd-27th, Vidarbha on 25th & 26th, West Bengal & Sikkim during 24th-27th, with **very heavy rainfall** over Bihar on 23rd & 24th; Vidarbha on 24th; Jharkhand on 26th, Odisha on 25th & 26th June.
- ♦ Light/moderate rainfall at most/many places accompanied with **thunderstorm, lightning & gusty winds speed reaching 40-50 kmph** likely over Andaman & Nicobar Islands; Madhya Pradesh, Vidarbha, Chhattisgarh, Gangetic West Bengal, Bihar, Jharkhand, Odisha during 23rd-27th June.

West India:

- ♦ Isolated **heavy rainfall** likely over Konkan & Goa, Madhya Maharashtra, Gujarat state during 23rd-29th June with **very heavy rainfall** over Konkan on 23rd & 24th; Gujarat state on 23rd June.
- ♦ Light/moderate rainfall at most/many places likely over Gujarat State, Konkan & Goa, Madhya Maharashtra, Marathwada during 23rd-29th June.

Northwest India:

- ♦ Isolated **heavy rainfall** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Punjab, Haryana during 25th- 27th; Himachal Pradesh, Uttarakhand, West Uttar Pradesh, East Rajasthan during 23rd-29th; West Rajasthan on 24th & 25th; East Uttar Pradesh on 23rd, 24th, 28th & 29th with **very heavy rainfall** over Himachal Pradesh, Uttarakhand during 23rd-27th, East Rajasthan on 23rd & 24th; Haryana, Punjab, West Uttar Pradesh on 25th & 26th, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 25th June.
- ♦ Light/moderate rainfall at most/many places accompanied with **thunderstorm, lightning & gusty winds speed reaching 30-40 kmph** likely over Northwest India during 23rd-29th June.

Northeast India:

- ♦ Isolated **very heavy rainfall** likely over Assam & Meghalaya, Nagaland on 23rd, Arunachal Pradesh on 23rd & 24th June.
- ♦ Light/moderate rainfall at many/most places accompanied with **thunderstorm, lightning and isolated heavy rainfall** likely to continue over Northeast India during next 7 days.

South Peninsular India:

- ♦ Isolated **heavy rainfall** likely over Kerala, Karnataka during 23rd-27th; Coastal Andhra Pradesh & Yanam on 23rd, 27th & 28th June.
- ♦ **Strong surface winds** (speed reaching 40-60 kmph) very likely over Karnataka, Coastal Andhra Pradesh & Yanam, Rayalaseema, Telangana, Kerala & Mahe, Lakshadweep during 23rd-27th June.
- ♦ Light/moderate rainfall at many/some places over Kerala & Mahe, Lakshadweep, Coastal Karnataka; isolated to scattered rainfall accompanied with isolated **thunderstorm, lightning** over Coastal Andhra Pradesh & Yanam, Telangana, Interior Karnataka during 23rd-27th June.

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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, Arunachal Pradesh, Sub Himalayan West Bengal & Sikkim, Gangetic West Bengal, Jharkhand, West Madhya Pradesh, Saurashtra & Kutch, Konkan & Goa, Vidarbha, Coastal Karnataka, South Interior Karnataka and Kerala & Mahe; **at many places** over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Odisha, East Uttar Pradesh, West Uttar Pradesh, Uttarakhand, East Rajasthan, East Madhya Pradesh, Gujarat Region, Madhya Maharashtra, Chhattisgarh, Coastal Andhra Pradesh & Yanam, Rayalaseema, Tamil Nadu, Puducherry & Karaikal, North Interior Karnataka and Lakshadweep; **at a few places** over Bihar, Punjab, Himachal Pradesh, Jammu-Kashmir/Ladakh-Gilgit-Baltistan-Muzaffarabad and Telangana; **at isolated places** over Haryana-Chandigarh-Delhi, West Rajasthan and Marathwada;

❖ **Significant rainfall recorded(in cm)** (from 0830 hours IST of yesterday to 0830 hours IST of today): **West Madhya Pradesh:** Mungaoli (dist Ashoknagar) 26; Bamori (dist Guna) 25; Badarwas (dist Shivpuri) 15; Chanderi (dist Ashoknagar), Guna-aws (dist Guna) 14 Each; Sabalgarh (dist Morena) 12; Raghogarh (dist Guna) 10; Jaora (dist Ratlam) 8; Kailaras (dist Morena), Kolar (dist Bhopal) 7 Each; **Saurashtra & Kutch:** Jodia (dist Jamnagar) 18; Mendarda (dist Junagadh) 15; Vanthali (dist Junagadh) 13; Kalavad (dist Jamnagar) 12; Junagarh AWS (dist Junagadh), Keshod (dist Junagadh), Junagadh (dist Junagadh) 11 Each; Manavadar (dist Junagadh) 10; Paddhari (dist Rajkot), Kutiana (dist Porbandar) 9 Each; Jetpur (dist Rajkot), Gandhidham (dist Kutch), Bhesan (dist Junagadh) 8 Each; Dhoraji (dist Rajkot), Bagasra (dist Amreli), Malia (dist Junagadh) 7 Each; **West Uttar Pradesh:** Mahroni (dist Lalitpur) 16; Lalitpur (dist Lalitpur) 10; Gunnaur (dist Sambhal) 8; Madawara (dist Lalitpur) 7; **Konkan & Goa:** Talasari (dist Palghar) 14; Dahanu (dist Palghar) 13; Jawhar (dist Palghar) 11; Mokheda - Fmo (dist Palghar) 9; Ponda (dist North Goa), Valpoi (dist North Goa) 8 Each; Sanguem (dist South Goa) 7; **Gujarat Region:** Palsana (dist Surat) 14; Kaprada (dist Valsad) 12; Amirgadh (dist Banaskantha), Umerpada (dist Surat) 11 Each; Kamrej (dist Surat) 10; Pardi (dist Valsad), Madhbun (dist Dadara & Nagar Haveli) 9 Each; Vapi (dist Valsad), Daman (dist Daman), Khergam (dist Navsari) 8 Each; Dharampur (dist Valsad), Bardoli (dist Surat), Silvassa (dist Dadara & Nagar Haveli), Khanvel (dist Dadara & Nagar Haveli), Godra AWS (dist Panchmahal) 7 Each; **Nagaland, Manipur, Mizoram & Tripura:** Champai AWS (dist Champhai) 13; Serchip AWS (dist Serchhip), Mokokchang (dist Mokokchung) 8 Each; **Bihar:** Forbesganj (dist Araria) 13; Galgalia (dist Kishanganj) 7; **East Uttar Pradesh:** Uska Bazar Fmo (dist Siddharth Nagar) 13; Nichlaul (dist Maharajganj), Katarniaghat (dist Bahraich), Balrampur (dist Balrampur), Balrampur(t) (dist Balrampur) 9 Each; Kakrahi (dist Siddharth Nagar), Trimohani Ghat Fmo (dist Maharajganj), Bhinga (dist Shrawasti) 7 Each; **Odisha:** Chandanpur (dist Mayurbhanj) 12; Daspalla (dist Nayagarh) 10; Betanati (dist Mayurbhanj), Rasagovindapur (dist Mayurbhanj) 9 Each; Daitari (dist Keonjhar) 8; Naraj (dist Cuttack) 7; **Coastal Karnataka:** Mudubidre (dist Dakshina Kannada), Uppinangadi (dist Dakshina Kannada) 11 Each; Mani (dist Dakshina Kannada), Bantwal (dist Dakshina Kannada) 10 Each; Castle Rock (dist Uttara Kannada), Kadra (dist Uttara Kannada), Gersoppa (dist Uttara Kannada) 8 Each; Mangaluru AP (dist Dakshina Kannada), Siddapura (dist Udupi) 7 Each; **Arunachal Pradesh:** Daparijo (dist Upper Subansiri), Tezu AWS (dist Lohit) 11 Each; Daporizo AWS (dist Upper Subansiri) 10; Pasighat AP (dist East Siang) 7; **Uttarakhand:** Loharkhet (dist Bageshwar), Kapkot (dist Bageshwar) 11 Each; Sama (dist Bageshwar) 10; Chamoli (dist Chamoli) 9; **Tamil Nadu, Puducherry & Karaikal:** Chinnakalar (dist Coimbatore) 11; Sholayar (dist Coimbatore) 10; Cincona (dist Coimbatore) 9; Valparai PTO (dist Coimbatore), Valparai Pap (dist Coimbatore) 8 Each; Valparai Taluk Office (dist Coimbatore), Kollidam (dist Mayiladuthurai), Upasi Tea Research AWS (dist Coimbatore), Lalpet (dist Cuddalore) 7 Each; **South Interior Karnataka:** Napoklu (dist Kodagu) 10; Virajpet (dist Kodagu), Somwarpet (dist Kodagu), Agumbe Emo (dist Shivamogga) 9 Each; Sringeri HMS (dist Chikkamagaluru) 7; **Kerala & Mahe:** Kodungallur (dist Thrissur), Karipur Ap. (dist Malappuram), Chemberi AWS (dist Cannur), Lower Sholayar AWS (dist Thrissur) 10 Each; Taliparamba (dist Cannur), Chalakudi (dist Thrissur), Udumbannoor AWS (dist Idukki), Panathur AWS (dist Kasargod), Muliya AWS (dist Kasargod) 9 Each; Kudulu (dist Kasargod), Perumpavur (dist Ernakulam), Kannur (dist Cannur), Peringome AWS (dist Cannur), Vadakara AWS (dist Kozhikode), Athirappalli AWS (dist Thrissur) 8 Each; Quilandi (dist Kozhikode), Irinjalakuda (dist Thrissur), Idukki (dist Idukki), Kannur Airport AWS (dist Cannur), Mattanchery AWS (dist Ernakulam), Idamalayar Dam AWS (dist Ernakulam), Kunnamangalam AWS (dist Kozhikode), Kalpeta AWS (dist Wynaad), Ams Kannur (dist Cannur) 7 Each; **East Rajasthan:** Bari (dist Dholpur), Kishanganj (dist Baran) 10 Each; Atru SR (dist Baran) 8; Tonk Vanasthali (dist Tonk) 7; **Sub Himalayan West Bengal & Sikkim:** Jiti T.e. (dist Jalpaiguri) 10; Jhallong (dist Kalimpong), Nagarkata (dist Jalpaiguri) 9 Each; Gajoldoba (dist Jalpaiguri) 8; Darjeeling (dist Darjeeling), Washabari Tea Estate (dist Jalpaiguri), Munsong (dist Darjeeling), Toorsa Tea Garden (dist Alipurduar) 7 Each; **Jharkhand:** Ranchi AP (dist Ranchi) 10; Pakuria (dist Pakur) 7; **East Madhya Pradesh:** Mohangarh (dist Tikamgarh) 9; Orchha (dist Niwari) 8; Buxwaha (dist Chhatarpur) 7; **Assam & Meghalaya:** Bihubar (dist Sibsagar), Margherita (dist Tinsukia), Ranganadi Nt Xing (dist Lakhimpur) 9 Each;

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B P Ghat (dist Sribhumi), A P Ghat (dist Cachar), Chauldhowaghat (dist Lakhimpur), Amraghat (dist Cachar) 7 Each; **Himachal Pradesh**: Paonta (dist Sirmaur) 8; **Madhya Maharashtra**: Radhanagari (dist Kolhapur) 8; Harsul - Fmo (dist Nashik) 7.

❖ **Heavy Rainfall observed** (from 0830 hours IST of yesterday to 0830 hours IST of today): **Extremely heavy rain** at isolated places over West Madhya Pradesh. **Heavy to very heavy rain** at isolated places over Nagaland, Manipur, Mizoram & Tripura, Odisha, Bihar, East Uttar Pradesh, West Uttar Pradesh, West Madhya Pradesh, Gujarat Region, Saurashtra & Kutch and Konkan & Goa. **Heavy rain** at a few places over Coastal Karnataka and at isolated places over Arunachal Pradesh, Assam & Meghalaya, Sub Himalayan West Bengal & Sikkim, Jharkhand, Uttarakhand, Himachal Pradesh, East Rajasthan, East Madhya Pradesh, Madhya Maharashtra, Tamil Nadu, Puducherry & Karaikal, South Interior Karnataka and Kerala & Mahe.

❖ **Minimum Temperature Departures (as on 23-06-2025): markedly above normal(> 5.1°C)** at many places over Himachal Pradesh; at few places over Assam & Meghalaya; at isolated places over Sub Himalayan West Bengal & Sikkim, Bihar, West Uttar Pradesh, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad and Saurashtra & Kutch; **appreciably above normal(3.1°C to 5.0°C)** at few places over West Rajasthan and East Madhya Pradesh; at isolated places over Gangetic West Bengal, Odisha, West Madhya Pradesh and Gujarat Region; **above normal(1.6°C to 3.0°C)** at most places over Uttarakhand; at few places over Haryana-Chandigarh-Delhi and Lakshadweep; at isolated places over Nagaland, Manipur, Mizoram & Tripura, Punjab, Konkan & Goa, Madhya Maharashtra, Vidarbha, Coastal Andhra Pradesh & Yanam and Tamil Nadu, Puducherry & Karaikal and **near normal(-1.5°C to 1.5°C)** at many places over Andaman & Nicobar Islands, East Rajasthan, Chhattisgarh, Telangana and Kerala & Mahe; at most places over Marathwada, Rayalaseema, Coastal Karnataka, North Interior Karnataka and South Interior Karnataka; at few places over Arunachal Pradesh, Jharkhand and East Uttar Pradesh. **The lowest minimum temperature** of 19.8°C is reported at KHARGONE (WEST MADHYA PRADESH) over the Plains of India.

❖ **Maximum Temperature Departures (as on 22-06-2025): markedly above normal(> 5.1°C)** at isolated places over Odisha. **appreciably above normal(3.1°C to 5.0°C)** at few places over Arunachal Pradesh; at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Sub Himalayan West Bengal & Sikkim, Himachal Pradesh and Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad. **above normal(1.6°C to 3.0°C)** at few places over Rayalaseema and Tamil Nadu, Puducherry & Karaikal; at isolated places over Konkan & Goa, Vidarbha, Chhattisgarh, Coastal Andhra Pradesh & Yanam, Telangana and Kerala & Mahe. **near normal(-1.5°C to 1.5°C)** at many places over East Uttar Pradesh, Madhya Maharashtra, Marathwada, Coastal Karnataka and South Interior Karnataka; at most places over Bihar, West Rajasthan, North Interior Karnataka and Lakshadweep; at few places over Gangetic West Bengal, Jharkhand and West Uttar Pradesh; at isolated places over Andaman & Nicobar Islands, Uttarakhand, East Rajasthan, Gujarat Region and Saurashtra & Kutch. **The highest maximum temperature** of 42.9°C was reported at SRIGANGANAGAR (RAJASTHAN).

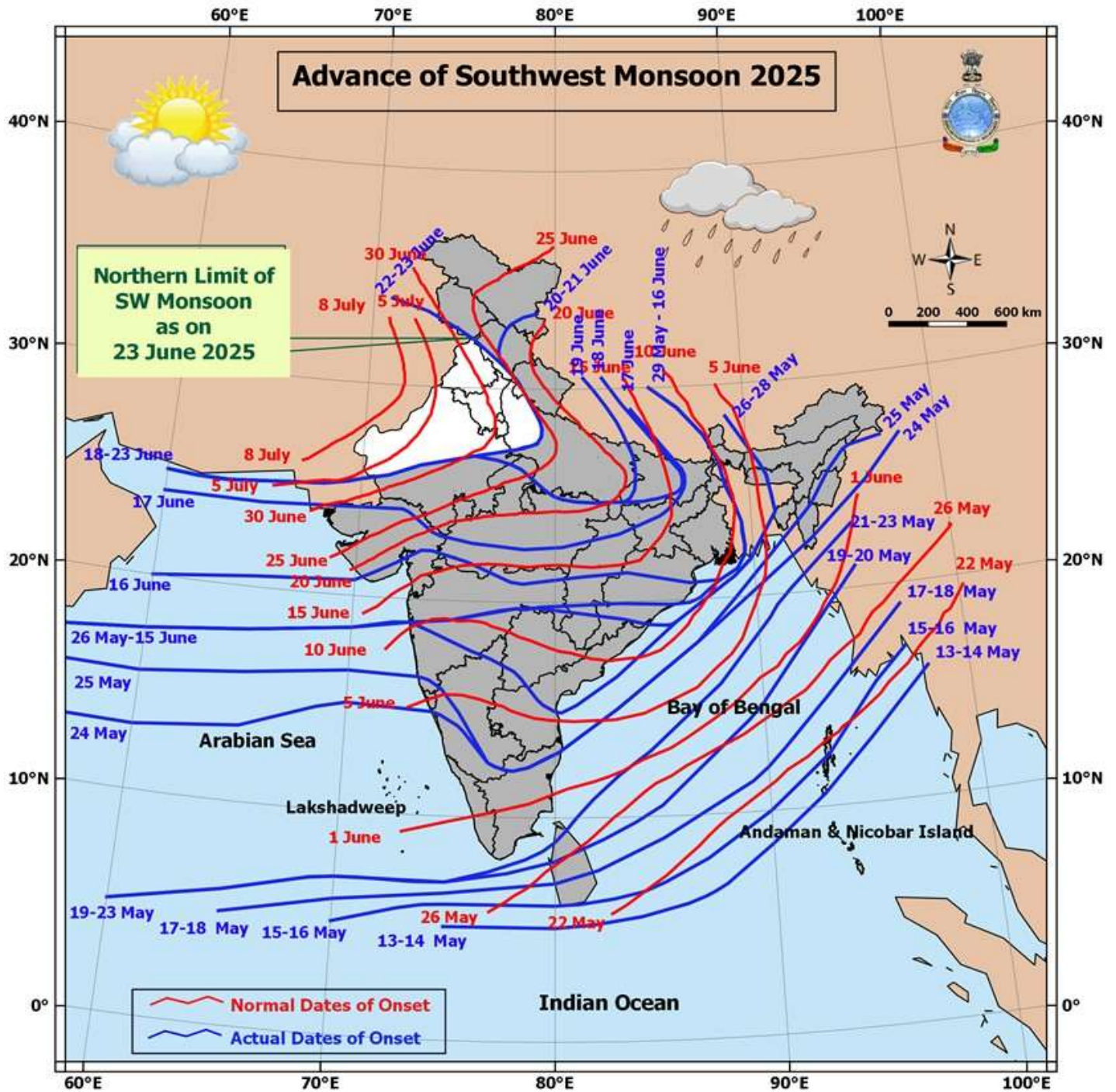


Meteorological Analysis (Based on 0830 hours IST)

- ♦ The Northern Limit of Monsoon continues to pass through 25.0°N/60.0°E, 25.0°N/65.0°E, 25.5°N/70.0°E, Jaipur, Agra, Rampur, Dehradun, Shimla, Pathankot, Jammu, and 33.5°N/73.0°E and 34.0°N/71.0°E.
- ♦ Conditions are favourable for further advance of Southwest monsoon over remaining parts of North Arabian Sea, some more parts of Rajasthan, Punjab, some parts of Haryana, Chandigarh and Delhi, remaining parts of West Uttar Pradesh, Himachal Pradesh and remaining parts of Jammu during next 2 days.
- ♦ The **upper air cyclonic circulation** over southeast Uttar Pradesh & neighbourhood now lies over central parts of south Uttar Pradesh and extends upto 5.8 km above mean sea level tilting southwards with height.
- ♦ A **trough** runs from above cyclonic circulation over central parts of south Uttar Pradesh to northwest Bay of Bengal across northeast Madhya Pradesh, Jharkhand & north Odisha and extends upto 1.5 km above mean sea level.
- ♦ A **trough** runs roughly along Long. 87°E to the north of Lat. 21°N at 3.1 km above mean sea level.
- ♦ An **upper air cyclonic circulation** lies over Saurashtra & Kutch at 3.1 km above mean sea level.
- ♦ The **upper air cyclonic circulation** over northeast Assam & neighbourhood persists and now extends upto 1.5 km above mean sea level.
- ♦ An **upper air cyclonic circulation** lies over westcentral and adjoining northwest Bay of Bengal off north Coastal Andhra Pradesh & south Odisha coast between 5.8 & 7.6 km above mean sea level tilting southwards with height.
- ♦ The east-west shear line/Trough from Kutch & neighbourhood to cyclonic circulation over Bangladesh and adjoining Gangetic West Bengal at 3.1 km above mean sea level has become less marked.
- ♦ The upper air cyclonic circulation over Bangladesh and adjoining Gangetic West Bengal between 1.5 and 5.8 km above mean sea level has become less marked.
- ♦ The trough from south Punjab to Southeast Uttar Pradesh across south Haryana at 0.9 km above mean sea level has become less marked.

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.

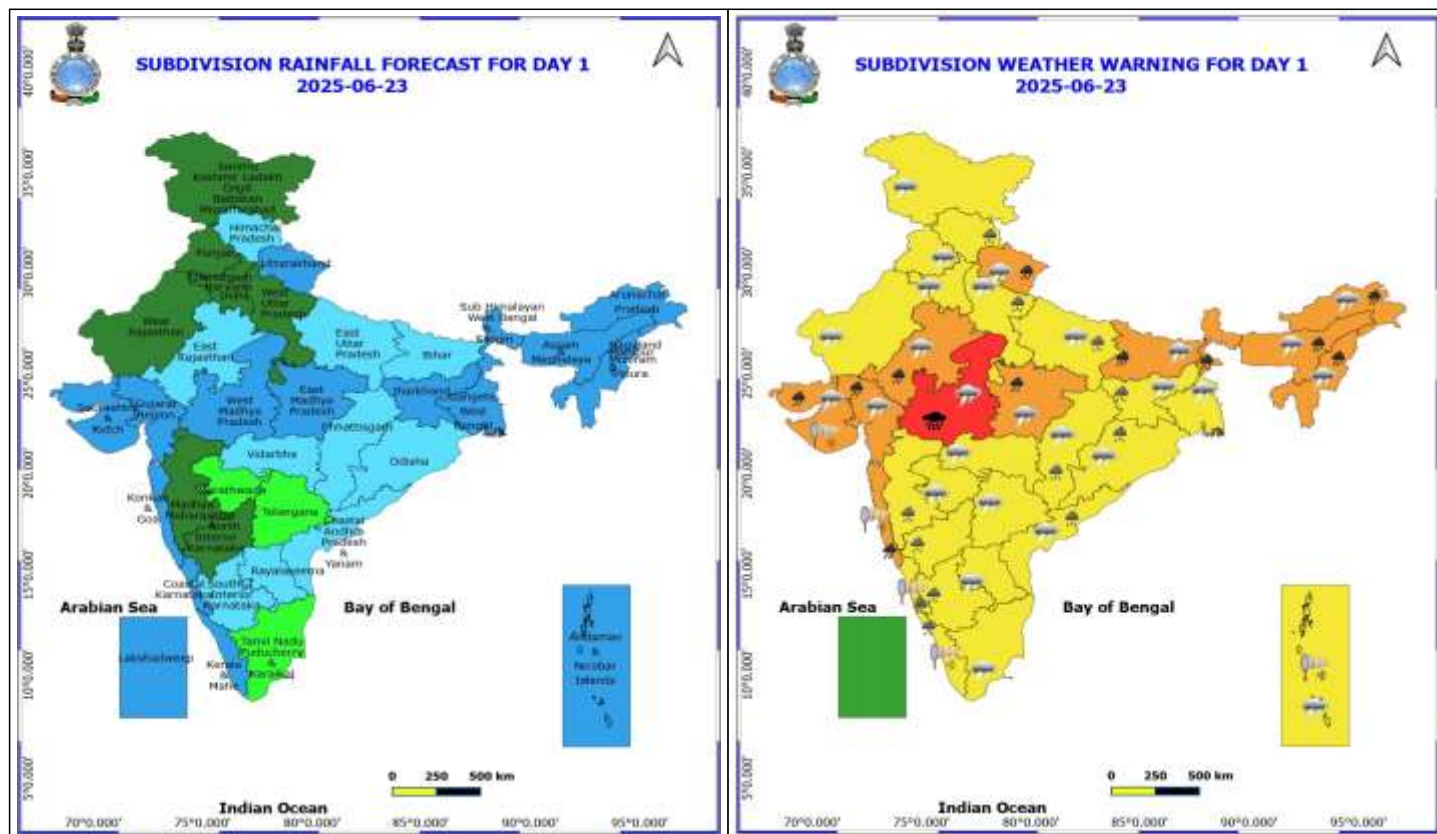


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23 June (Day 1)

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

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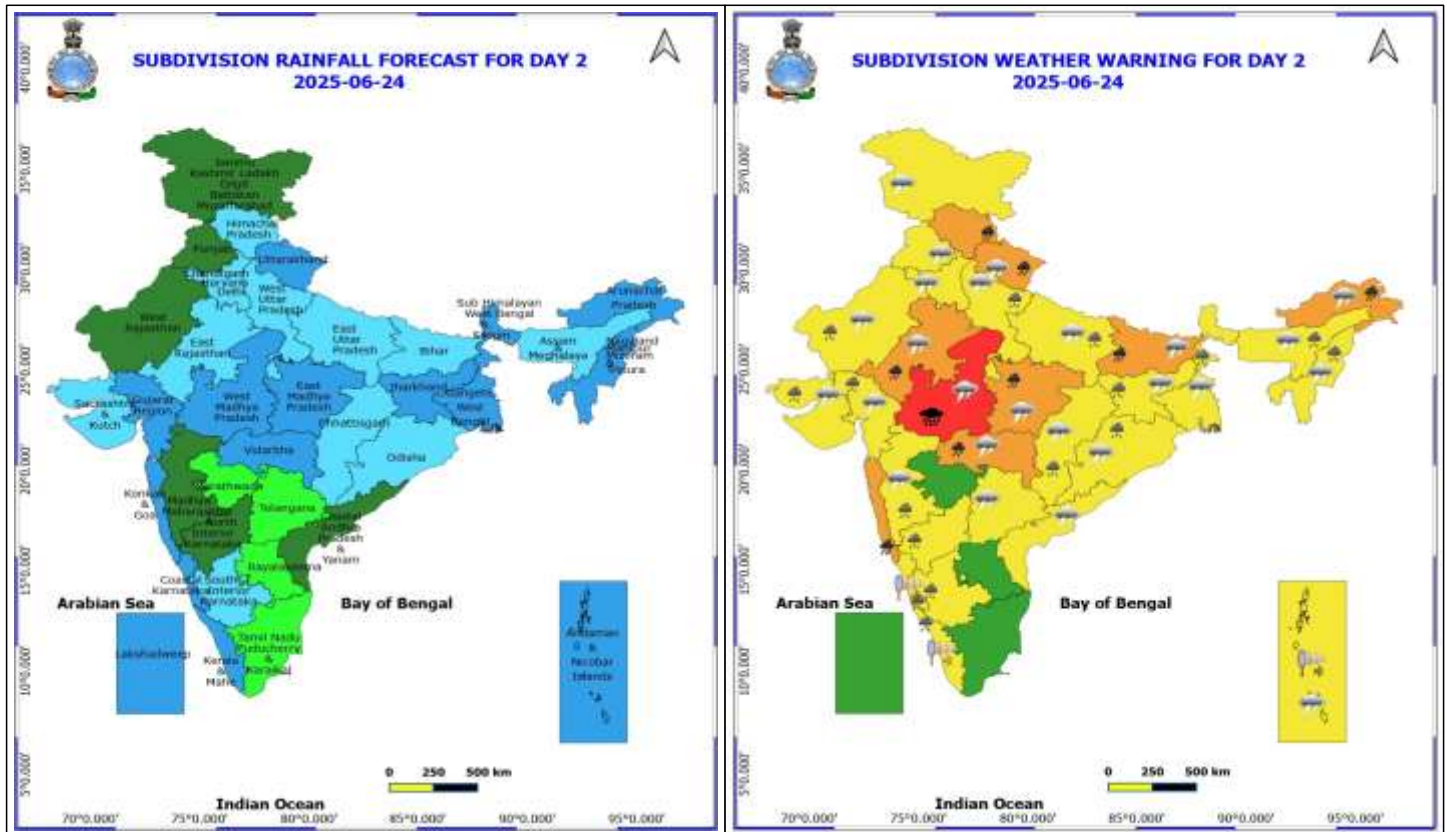
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eastcentral, adjoining north Arabian Sea & adjoining southwest Arabian Sea; Squally weather with wind speed 40 - 50 kmph gusting to 60 kmph likely to prevail over, many parts of northeast Arabian Sea, most parts of eastcentral Arabian Sea, adjoining and some parts of westcentral Arabian Sea, along and off Gujarat, Konkan coast, along and off north Andhra Pradesh coasts, many parts of central Bay of Bengal, some parts of southwest Bay of Bengal, along and off Sri Lanka coast, over Andaman Sea; Squally weather with wind speed reaching 45 kmph to 55 kmph gusting to 65 kmph likely to prevail over western parts of eastcentral & adjoining westcentral Arabian Sea, some parts of westcentral Bay of Bengal.



24 June (Day 2)

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

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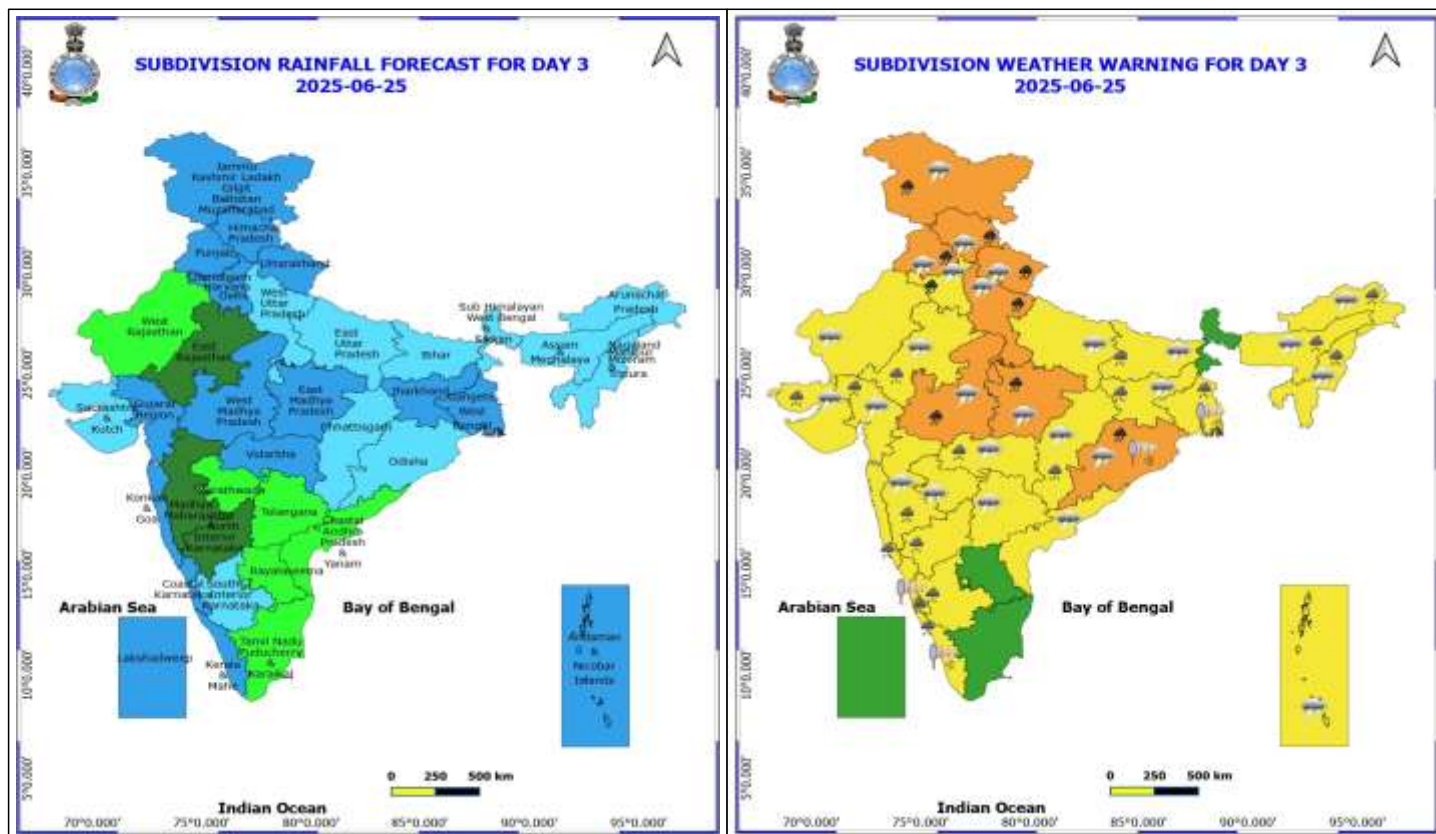
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eastcentral, adjoining north Arabian Sea & adjoining southwest Arabian Sea; Squally weather with wind speed 40 - 50 kmph gusting to 60 kmph likely to prevail over most parts of eastcentral & adjoining areas of westcentral, northeast, south Arabian Sea, along and off south Gujarat coast, off Konkan coast, off north Andhra Pradesh, Odisha, West Bengal coasts, most parts of northwest Bay of Bengal & adjoining northeast Bay of Bengal, many parts of central Bay of Bengal & adjoining and some parts of south Bay of Bengal, over Andaman Sea; Squally weather with wind speed reaching 45 kmph to 55 kmph gusting to 65 kmph likely to prevail over western parts of eastcentral & adjoining westcentral Arabian Sea.



25 June (Day 3)

- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Haryana, Chandigarh & Delhi, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Madhya Pradesh, Odisha, Punjab, Uttarakhand and West Uttar Pradesh.
- ❖ **Heavy Rainfall** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Bihar, Chhattisgarh, Coastal Karnataka, East Rajasthan, Gangetic West Bengal, Gujarat State, Interior Karnataka, Jharkhand, Kerala & Mahe, Konkan & Goa, Madhya Maharashtra, Nagaland, Manipur, Mizoram and Tripura and Vidarbha.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and Uttarakhand.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Andaman & Nicobar Islands, Bihar, Gujarat State, Jharkhand, Madhya Maharashtra, Marathwada, Odisha, Telangana and West Rajasthan.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Chhattisgarh, Coastal Andhra Pradesh, East Rajasthan, Haryana, Chandigarh & Delhi, Himachal Pradesh, Madhya Pradesh, Nagaland, Manipur, Mizoram and Tripura, Punjab, Uttar Pradesh and Vidarbha.
- ❖ **Strong Surface Winds** very likely at isolated places over Coastal Karnataka, Gangetic West Bengal, Kerala & Mahe and Odisha.
- ❖ **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, adjoining north Arabian Sea & adjoining southwest Arabian Sea; Squally weather with wind speed 40 - 50 kmph gusting to 60 kmph likely to prevail over most parts of eastcentral & adjoining areas of westcentral,

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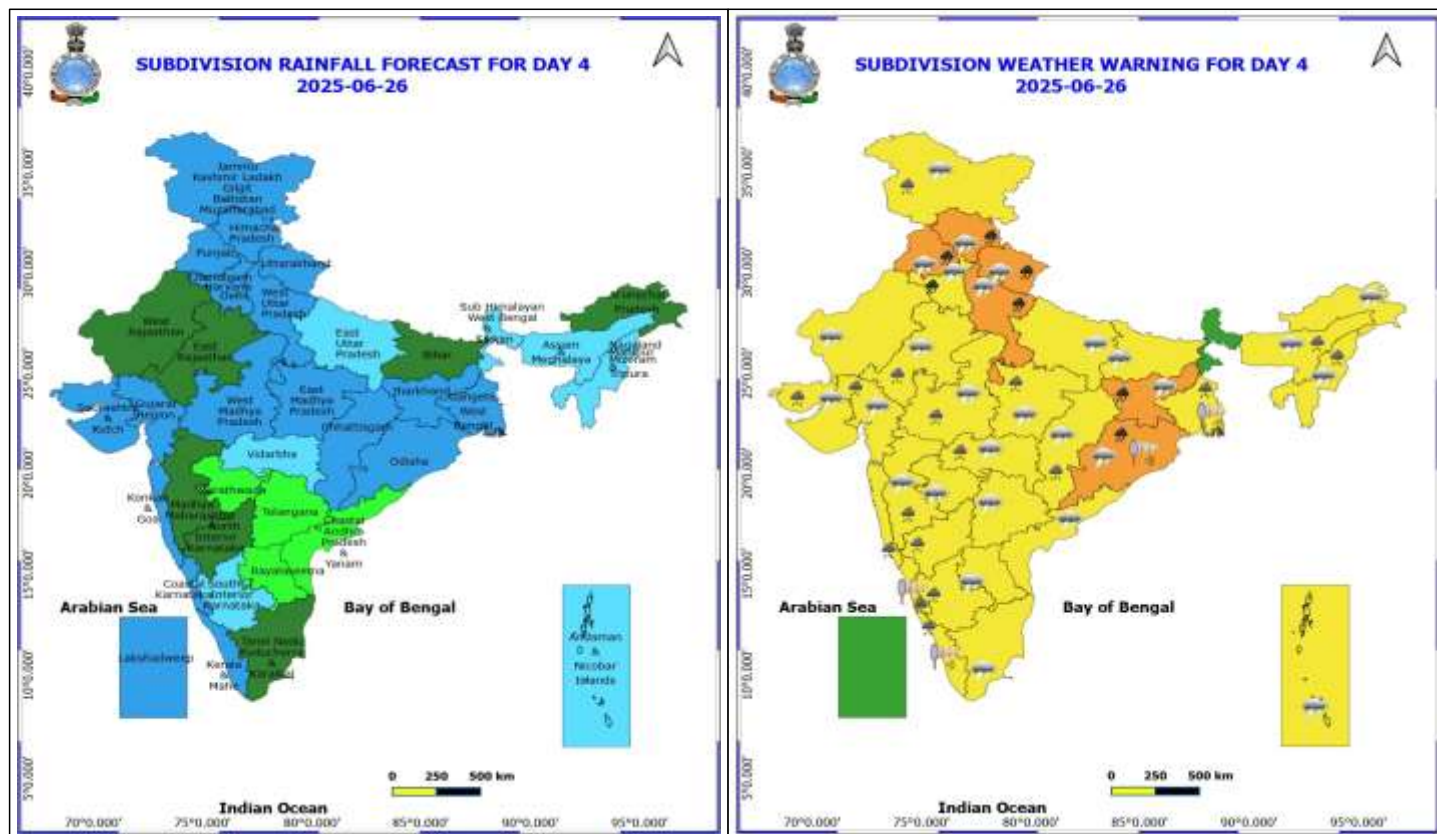
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northeast, south Arabian Sea, off south Gujarat, Konkan coasts, along and off Odisha, West Bengal coasts, most parts of northwest and adjoining northeast Bay of Bengal, many parts of westcentral & adjoining eastcentral Bay of Bengal, many parts of southwest Bay of Bengal, along and off Sri Lanka coast; Squally weather with wind speed reaching 45 kmph to 55 kmph gusting to 65 kmph likely to prevail over western parts of eastcentral & adjoining westcentral Arabian Sea.



26 June (Day 4)

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

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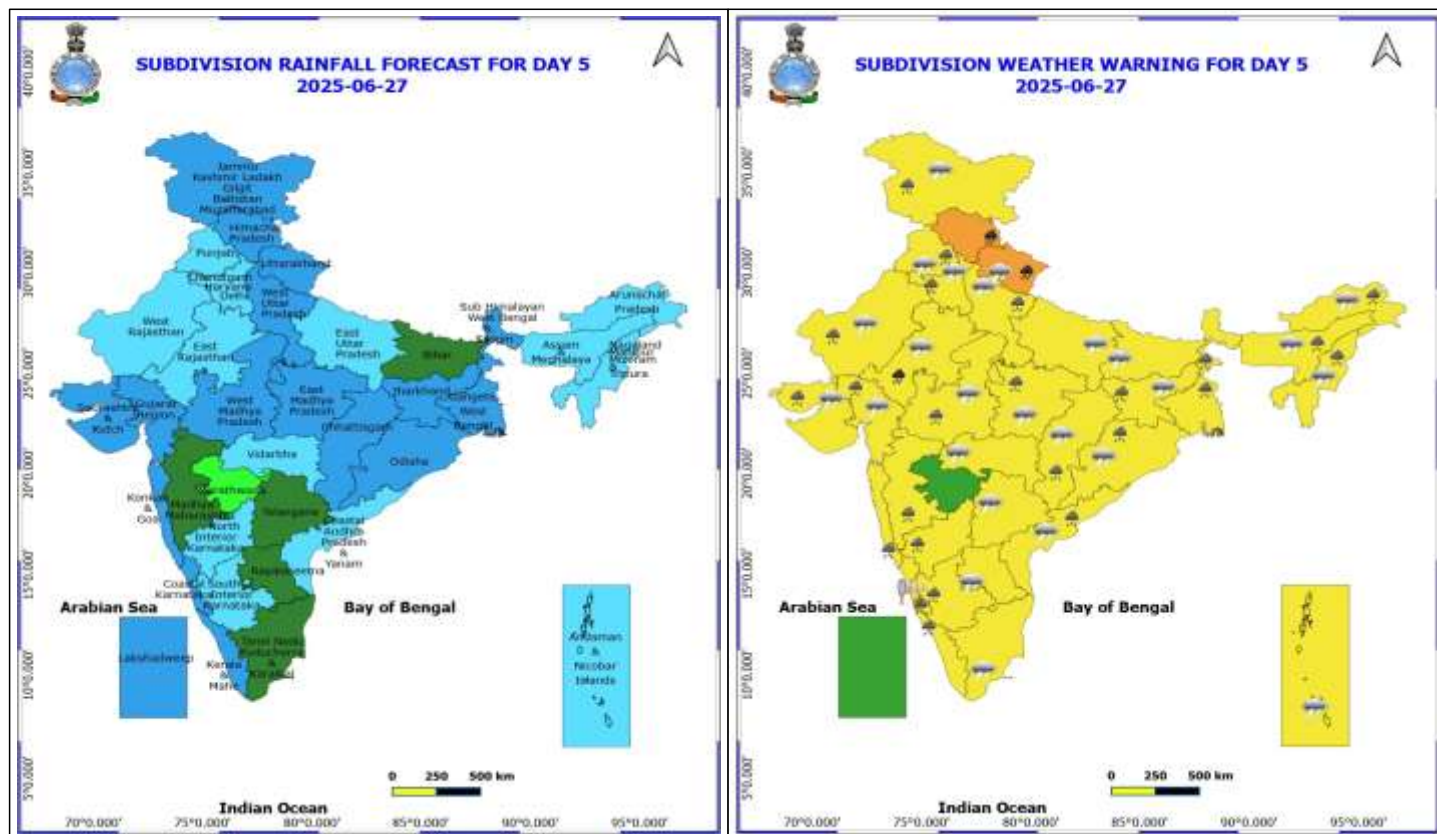
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50 kmph gusting to 60 kmph likely to prevail over most parts of eastcentral & adjoining areas of westcentral, northeast, south Arabian Sea, off south Gujarat, Konkan coasts, along and off Odisha, West Bengal coasts, most parts of northwest and adjoining northeast Bay of Bengal, many parts of westcentral Bay of Bengal; Squally weather with wind speed reaching 45 kmph to 55 kmph gusting to 65 kmph likely to prevail over western parts of eastcentral & adjoining westcentral Arabian Sea.



27 June (Day 5)

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

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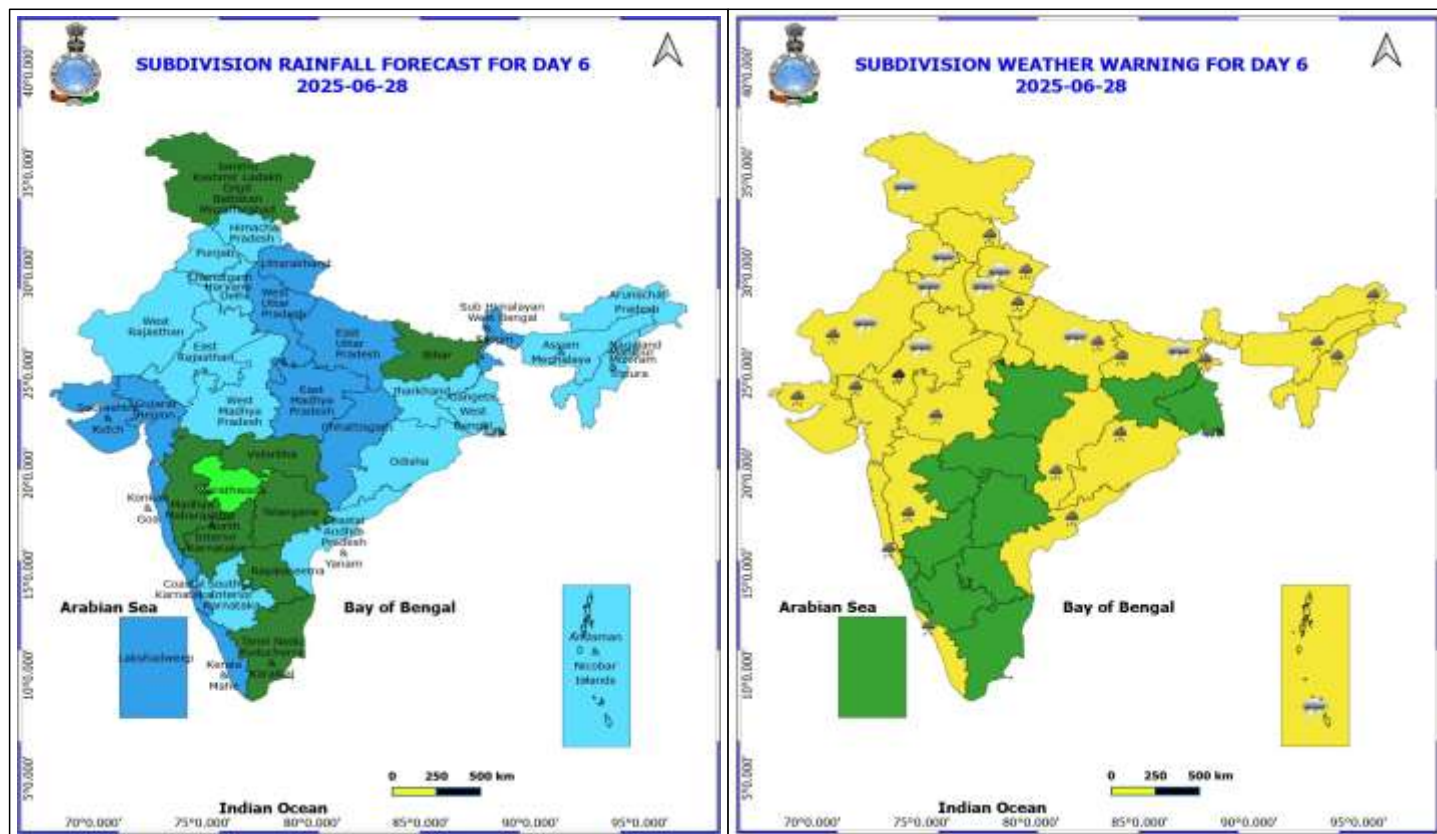
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eastcentral & adjoining westcentral Arabian Sea.



28 June (Day 6)

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

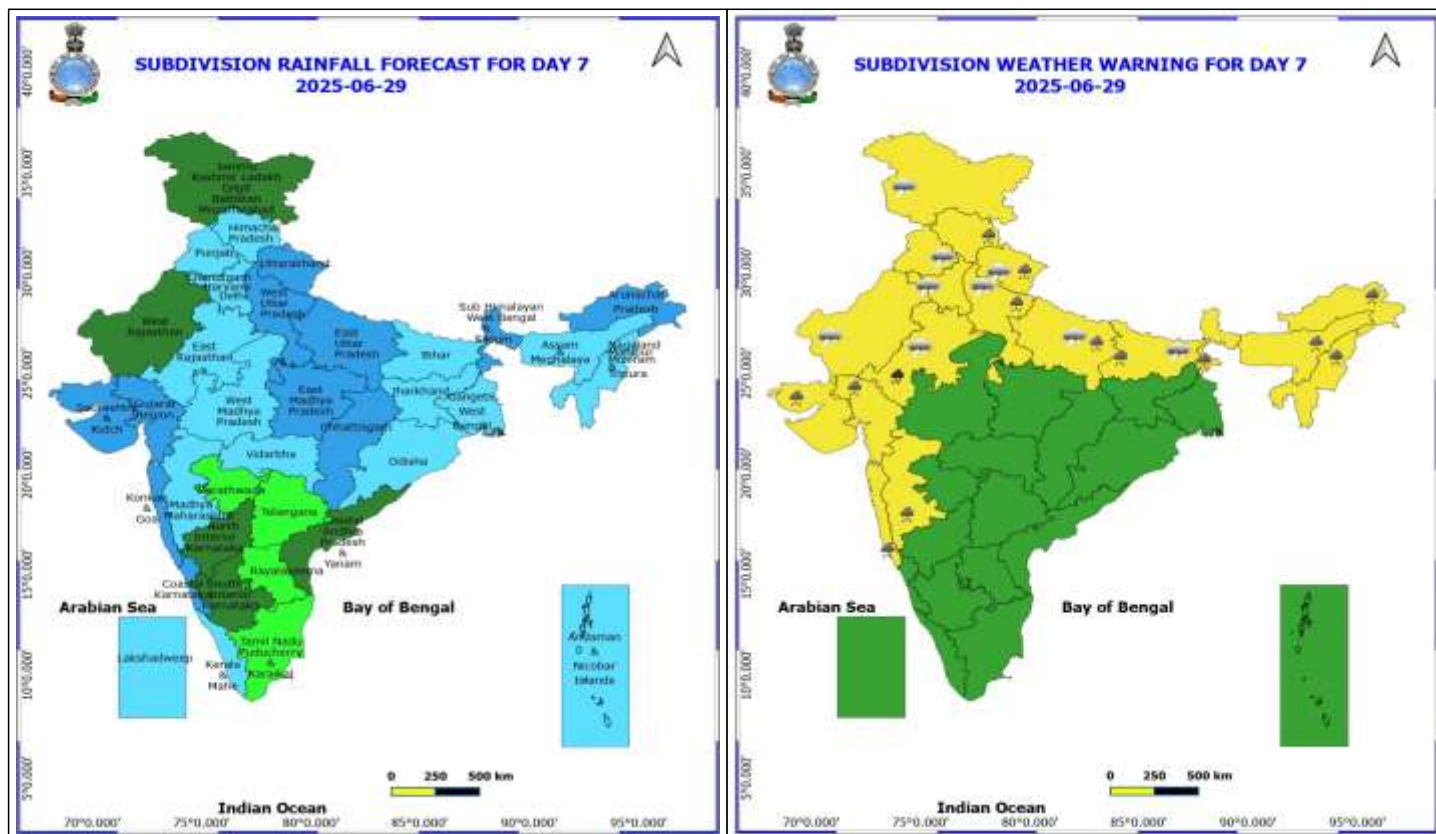
No Fishermen Warning

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29 June (Day 7)

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

No Fishermen Warning

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Table-1

7 Days Rainfall Forecast

S.No.	Subdivision	23-Jun	24-Jun	25-Jun	26-Jun	27-Jun	28-Jun	29-Jun
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	WS	WS	WS	FWS	FWS	FWS	FWS
2	ARUNACHAL PRADESH	WS	WS	FWS	SCT	FWS	FWS	WS
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	WS	WS	FWS	FWS	WS	WS	WS
6	GANGETIC WEST BENGAL	WS	WS	WS	WS	WS	FWS	FWS
7	ODISHA	FWS	FWS	FWS	WS	WS	FWS	FWS
8	JHARKHAND	WS	WS	WS	WS	WS	FWS	FWS
9	BIHAR	FWS	FWS	FWS	SCT	SCT	SCT	FWS
10	EAST UTTAR PRADESH	FWS	FWS	FWS	FWS	FWS	WS	WS
11	WEST UTTAR PRADESH	SCT	FWS	FWS	WS	WS	WS	WS
12	UTTARAKHAND	WS	WS	WS	WS	WS	WS	WS
13	HARYANA, CHD & DELHI	SCT	FWS	WS	WS	FWS	FWS	FWS
14	PUNJAB	SCT	SCT	WS	WS	FWS	FWS	FWS
15	HIMACHAL PRADESH	FWS	FWS	WS	WS	WS	FWS	FWS
16	JAMMU AND KASHMIR AND LADAKH	SCT	SCT	WS	WS	WS	SCT	SCT
17	WEST RAJASTHAN	SCT	SCT	ISOL	SCT	FWS	FWS	SCT
18	EAST RAJASTHAN	FWS	FWS	SCT	SCT	FWS	FWS	FWS
19	WEST MADHYA PRADESH	WS	WS	WS	WS	WS	FWS	FWS
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	FWS	FWS	WS	WS	WS	WS
23	KONKAN & GOA	WS	WS	WS	WS	WS	WS	WS
24	MADHYA MAHARASHTRA	SCT	SCT	SCT	SCT	SCT	SCT	FWS
25	MARATHWADA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
26	VIDARBHA	FWS	WS	WS	FWS	FWS	SCT	FWS
27	CHATTISGARH	FWS	FWS	FWS	WS	WS	WS	WS
28	COASTAL ANDHRA PRADESH	FWS	SCT	ISOL	ISOL	FWS	FWS	SCT
29	TELANGANA	ISOL	ISOL	ISOL	ISOL	SCT	SCT	ISOL
30	RAYALASEEMA	FWS	ISOL	ISOL	ISOL	SCT	SCT	ISOL
31	TAMILNADU & PUDUCHERRY	ISOL	ISOL	ISOL	SCT	SCT	SCT	ISOL
32	COSTAL KARNATAKA	WS	WS	WS	WS	WS	WS	WS
33	NORTH INTERIOR KARNATAKA	SCT	SCT	SCT	SCT	FWS	SCT	SCT
34	SOUTH INTERIOR KARNATAKA	FWS	FWS	FWS	FWS	FWS	FWS	SCT
35	KERALA	WS	WS	WS	WS	WS	WS	FWS
36	LAKSHDWEAP	WS	WS	WS	WS	WS	WS	FWS

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

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Fig. 1: Maximum Temperatures Dated 2025-06-23

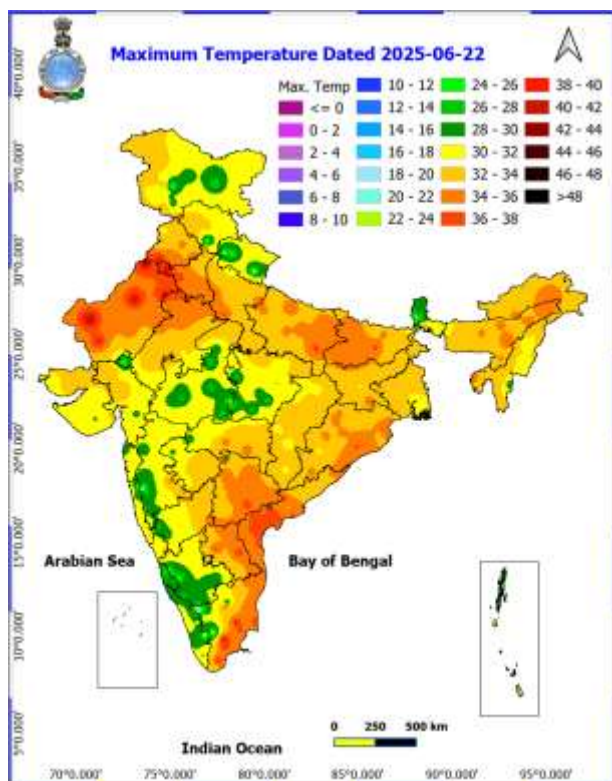


Fig. 2: Departure of Maximum Temp. Dated 2025-06-23

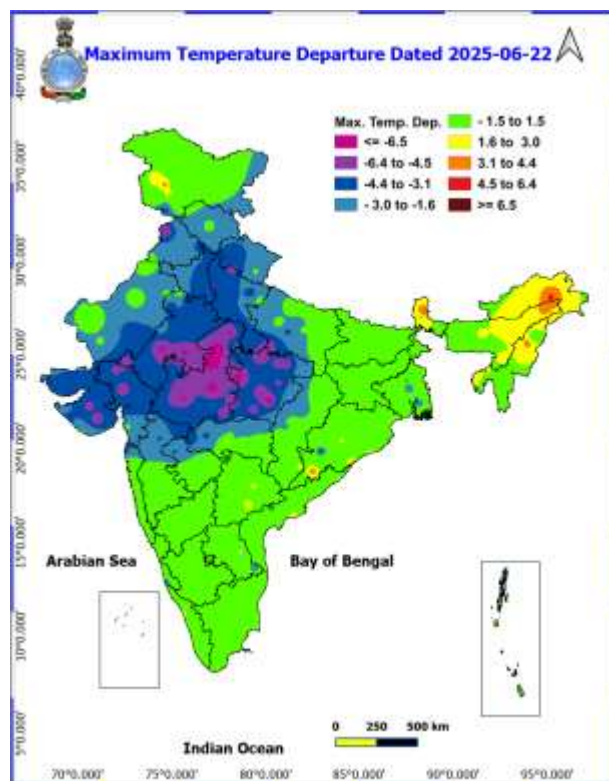


Fig. 3: Minimum Temperatures Dated 2025-06-23

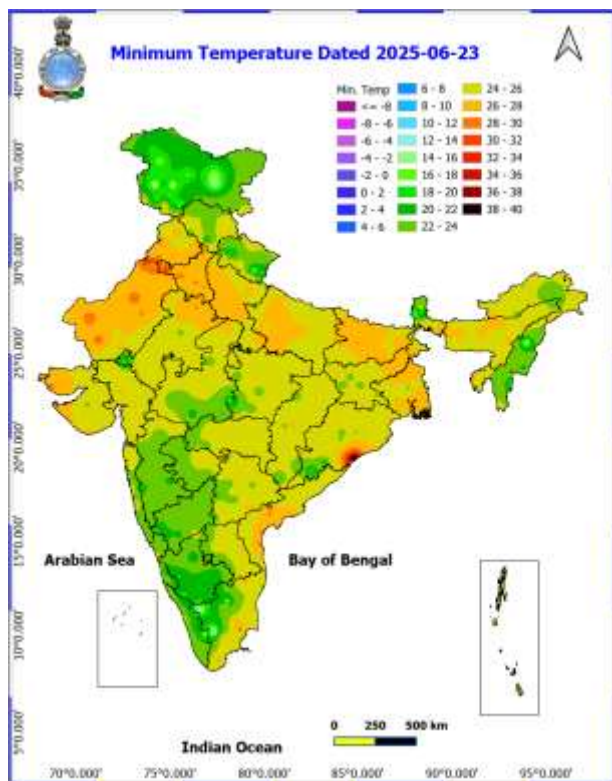
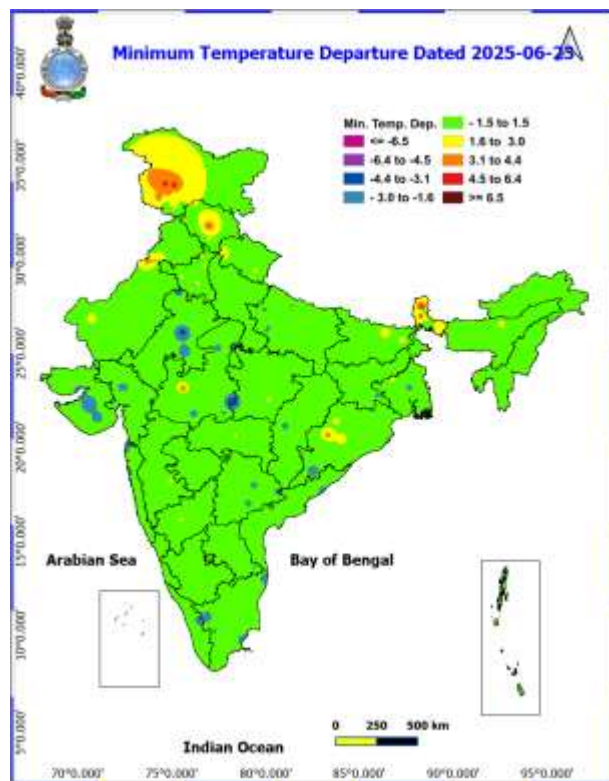
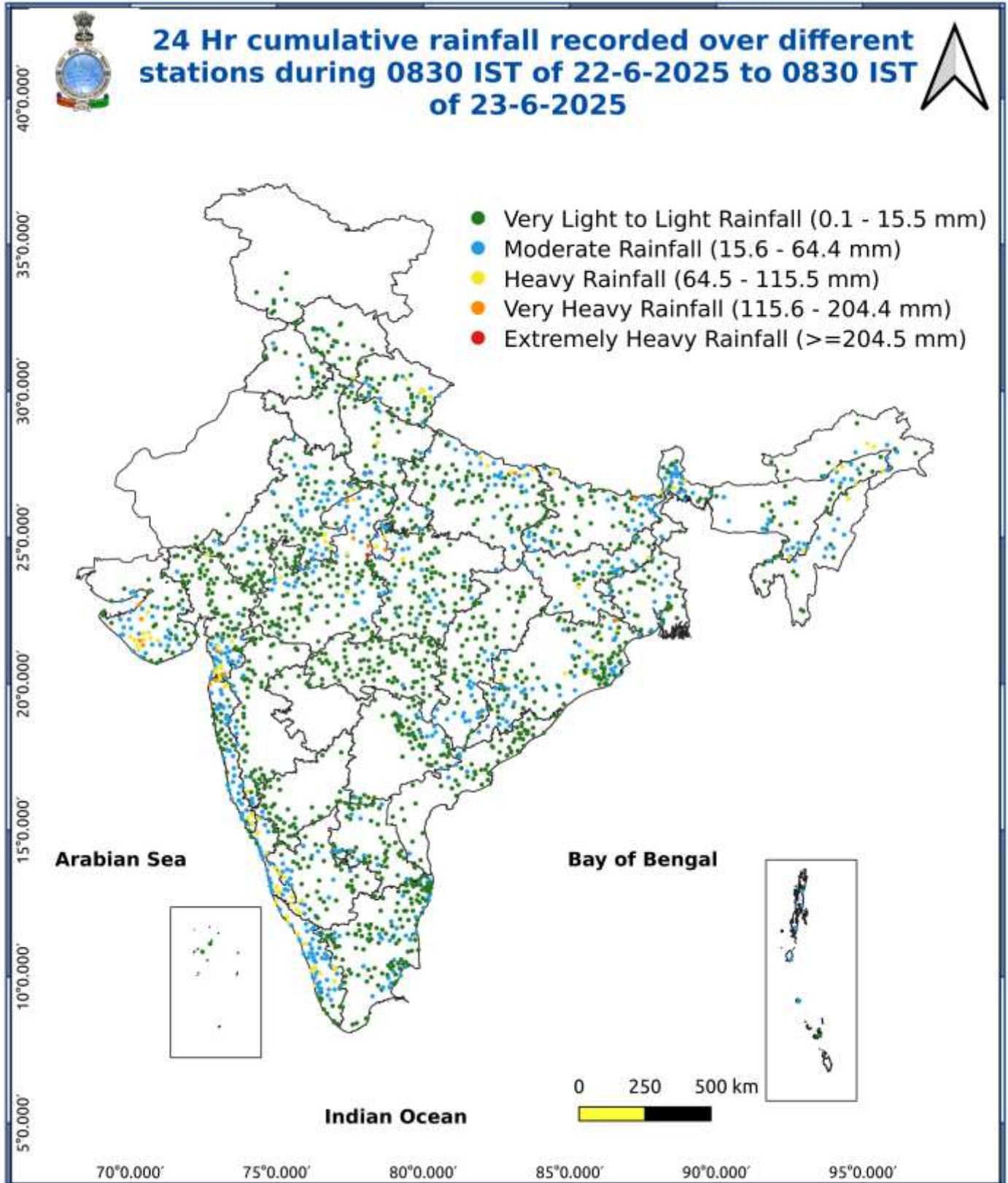


Fig. 4: Departure of Minimum Temp. Dated 2025-06-23





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

Extremely heavy rainfall (>20 cm/24 hours) likely at isolated places over West Madhya Pradesh on 23rd & 24th June.

Very heavy rainfall over East Rajasthan, Madhya Pradesh, Bihar, Konkan, Arunachal Pradesh on 23rd & 24th; Vidarbha on 24th; Jharkhand on 26th, Odisha, Haryana, Punjab, West Uttar Pradesh on 25th & 26th June; Gujarat state, Assam & Meghalaya, Nagaland on 23rd; Himachal Pradesh, Uttarakhand during 23rd-27th, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 25th June.

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

- In **Gujarat**, postpone nursery sowing of rice. Ensure proper drainage facilities in already sown rice nurseries, sugarcane fields, banana and mango plantations to prevent waterlogging. Provide support to sugarcane and banana to prevent lodging. In **Saurashtra & Kutch**, postpone sowing of *kharif* groundnut, cotton, sesame, pearl millet, green gram, black gram, cowpea, pigeon pea, maize, sorghum and vegetables. Drain out excess rain water from vegetable nurseries and horticultural plantations.
- In **West Madhya Pradesh**, Postpone harvesting of maize. Postpone sowing of pearl millet, soybean, pigeon pea and paddy nurseries. Make necessary arrangements to drain out excess water from vegetables and orchards to avoid waterlogging. In **Kymore Plateau and Satpura Hill Zone** of **East Madhya Pradesh**, harvest matured green gram and black gram crop and store in a safe place. In **Gird Zone** of **West Madhya Pradesh**, harvest matured maize crop and keep it in safe place. Postpone sowing of soybean and transplanting of chilli, tomato, brinjal etc. and ensure proper drainage in already sown / transplanted fields.
- 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.
- In **Uttarakhand**, make proper drainage channels in rice nurseries, pigeon pea, groundnut, maize, soybean, barnyard millet and finger millet to avoid waterlogging. In **Bhabar and Tarai Zone** of **Uttarakhand**, harvest matured spring maize crop and vegetables (pumpkin, tomato, okra, chilli, French bean etc.) and store in safe place during clear weather.
- In **Sub-Montane and Low Hills Sub-Tropical Zone** of **Himachal Pradesh**, provide drainage in maize and vegetable fields. Strengthen the support for creepers and tall vegetable crops (tomato, capsicum etc.). In **Mid Hills Sub-Humid Zone** of **Himachal Pradesh**, harvest matured fruits of plum, pear and stonefruit to minimize losses due to heavy rains. Make proper drainage channels in the fields of maize, apple, pear, pomegranate,

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kiwi, cucumber and tomato to avoid waterlogging. Provide support to cucumber vines and tomato plants to prevent lodging.

- In **East Uttar Pradesh**, make necessary arrangements to protect paddy nurseries from the adverse impacts of heavy rainfall. In **West Uttar Pradesh**, make arrangement to drain out excess water from the fields of pigeon pea and vegetables. Provide support to bottle gourd vegetables.
- In **Sub-Himalayan West Bengal**, maintain proper drainage channels in rice nurseries and fields of jute and ginger to avoid water stagnation.
- In **Jharkhand**, make necessary arrangements to drain out excess water from already sown maize fields, rice and vegetable nurseries.
- 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 washing away of seeds.
- In **Konkan & Goa** make arrangement 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 and banana plantations to prevent waterlogging.
- 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 **Barak Valley Zone of Assam**, postpone nursery sowing of *Sali* rice.
- 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 **Arunachal Pradesh**, keep the harvested produce of soybean and vegetables such as chilli and okra at a safer place. Ensure proper drainage in rice nurseries, kiwi and apple orchards to avoid waterlogging.
- In **Nagaland**, avoid transplanting of TRC/WRC rice. Postpone sowing of soybean. Provide proper staking to vine type plants.

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

- 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.

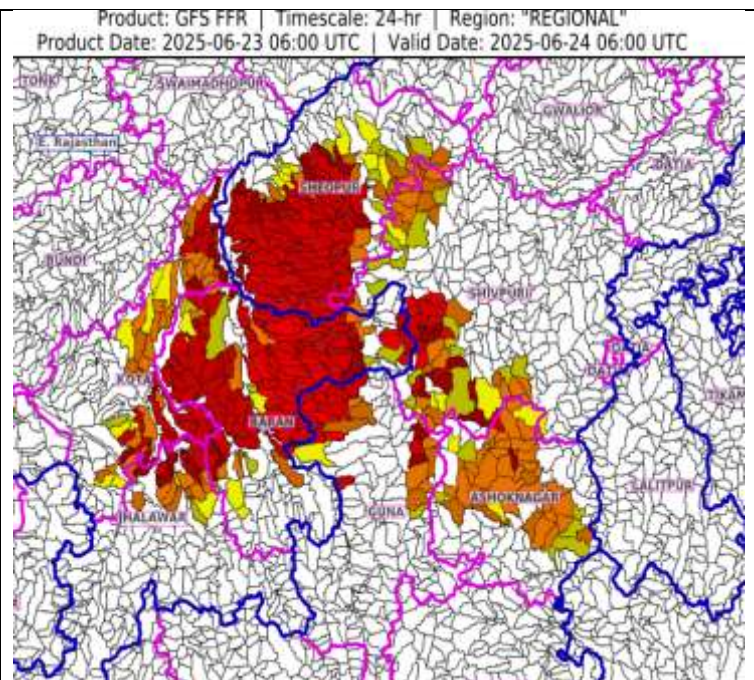
Flash flood guidance:

24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 24-06-2025 :

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

East Rajasthan - Baran, Jhalawar and Kota districts.
West Madhya Pradesh - Ashoknagar, Guna, Sheopur and Shivpuri 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 24-06-2025 :

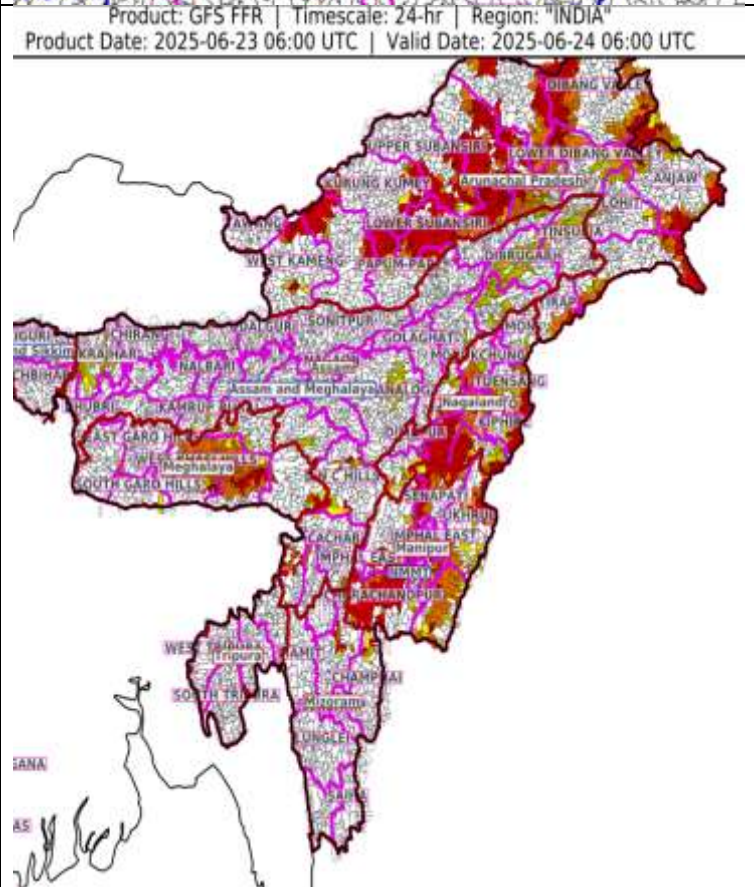
Low to Moderate flash flood risk likely over few watersheds & neighbourhoods of following Met Sub-divisions during next 24 hours.

Arunachal Pradesh - Changlang, Dibang Valley, East Kameng, East Siang, Lohit, Lower Dibang Valley, Lower Subansiri, Papum-Pare, Tawang, Tirap, West Kameng, West Siang, Anjaw, Upper Siang and Kurung Kumey districts.

Nagaland Mizoram Manipur Tripura (NMMT) –

Manipur: Bishnupur, Chandel, Churachandpur, Imphal East, Imphal West, Senapati, Tamenglong, Thoubal, Ukhrul;
Mizoram: Aizawl, Champhai;
Nagaland: Dimapur, Kiphire, Kohima, Longleng, Mokokchung, Mon, Peren, Phek, Tuensang, Wokha, Zunheboto;
Tripura: Gomati, Khowai, Sipahijala, Unakoti.

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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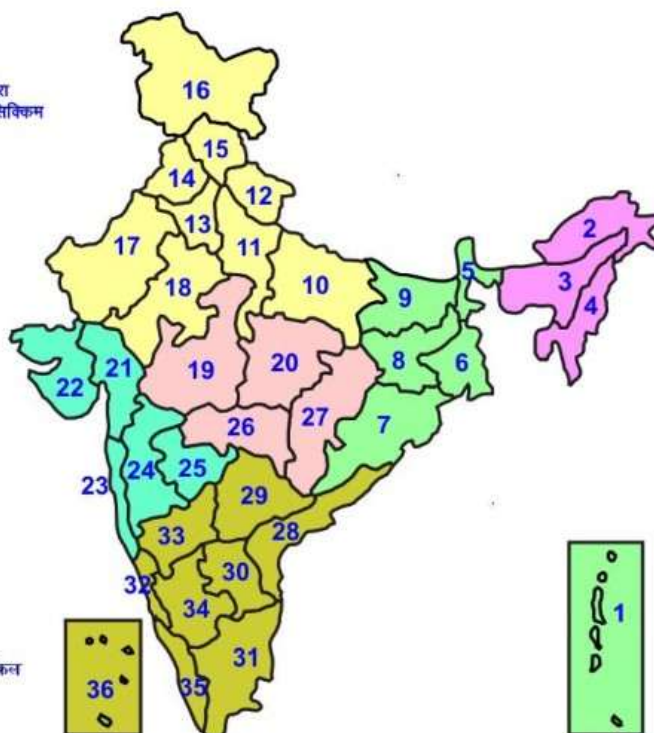
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LEGENDS

- 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 Fog

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

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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 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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