

2025-07-07

Time of Issue: 17:05:00 hours IST  
(Evening)

## ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

### Significant Weather Features

#### Weather Forecast and Warnings:

##### East & Central India:

- **Extremely heavy rainfall ( $\geq 21$  cm)** very likely at isolated places over East Madhya Pradesh, Chhattisgarh and Vidarbha, interior Odisha on 07<sup>th</sup> July.
- Isolated **heavy rainfall** very likely to continue over Madhya Pradesh during 07<sup>th</sup>-13<sup>th</sup>; Vidarbha, Chhattisgarh during 07<sup>th</sup>-10<sup>th</sup>; Gangetic West Bengal, Jharkhand, Odisha on 07<sup>th</sup> & 08<sup>th</sup> and Sub-Himalayan West Bengal & Sikkim on 07<sup>th</sup>, 09<sup>th</sup>, 12<sup>th</sup> & 13<sup>th</sup> July with **very heavy rainfall** over Madhya Pradesh during 07<sup>th</sup>-10<sup>th</sup>; Gangetic West Bengal, Jharkhand on 07<sup>th</sup> and Odisha on 07<sup>th</sup> & 08<sup>th</sup>; Vidarbha on 08<sup>th</sup> & 09<sup>th</sup>; Chhattisgarh on 08<sup>th</sup> July.

##### Northwest India:

- Isolated **heavy rainfall** likely over Uttarakhand, East Rajasthan during 07<sup>th</sup>-13<sup>th</sup>, Jammu-Kashmir, Himachal Pradesh, Punjab, Haryana Chandigarh, West Uttar Pradesh during 07<sup>th</sup>-10<sup>th</sup>, West Rajasthan during 07<sup>th</sup>-09<sup>th</sup>; East Uttar Pradesh during 08<sup>th</sup>-10<sup>th</sup> July with **very heavy rainfall over Uttarakhand, East Rajasthan during 07<sup>th</sup>-10<sup>th</sup>; Punjab, Haryana, Chandigarh on 07<sup>th</sup> & 08<sup>th</sup> July.**

##### West India:

- **Heavy to very heavy rainfall** likely at isolated places over Konkan & Goa, Ghat areas of Madhya Maharashtra, during next 7 days; Gujarat state on 07<sup>th</sup> and **heavy rainfall** over Gujarat Region during 07<sup>th</sup>-09<sup>th</sup>; Marathawada on 08<sup>th</sup> & 09<sup>th</sup>; Saurashtra & Kutch on 12<sup>th</sup> & 13<sup>th</sup> July.

##### Northeast India:

- Isolated heavy rainfall very likely over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura during 07<sup>th</sup>-13<sup>th</sup>; Arunachal Pradesh during 11<sup>th</sup>-13<sup>th</sup> **with very heavy rainfall** over Meghalaya on 07<sup>th</sup> July.

##### South Peninsular India:

- Isolated **heavy rainfall** likely over Coastal Karnataka, Kerala & Mahe during 07<sup>th</sup>-13<sup>th</sup> and isolated **heavy to very heavy rainfall** over Telangana during 07<sup>th</sup>-09<sup>th</sup> July.
- **Strong surface winds** (speed reaching 40-50 kmph) very likely over South Peninsular India during next 5 days.

##### Hot & Humid Weather warning:

- **Hot & humid weather** is likely to prevail over Tamil Nadu, Puducherry & Karaikal during 07<sup>th</sup>-09<sup>th</sup> July.

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

❖ **Significant rainfall recorded(in cm)** (from 0830 hours IST of yesterday to 0830 hours IST of today): **Chhattisgarh**: Pali (dist Korba) 26; Belgahna (dist Bilaspur) 16; Masturi (dist Bilaspur) 14; Bilha (dist Bilaspur) 13; Mungeli (dist Mungeli) 12; Janjgir (dist Janjgir), Pamgarh (dist Janjgir), Lormi (dist Mungeli), Ratanpur (dist Bilaspur) 10 Each; Baloda Bazar (dist Baloda Bazar), Tokapal (dist Bastar), Pachpedi (dist Bilaspur), Lalpur Thana (dist Mungeli) 9 Each; Kota (dist Bilaspur), Mohla (dist Mohala Manpur Chowki), Ramanujnagar (dist Surajpur), Chando (dist Balrampur), Darri (dist Korba), Pipariya (dist Kabirdham), Sakri (dist Bilaspur) 8 Each; Manendragarh (dist Manendragarh Bharatpur), Pallari/Palari (dist Baloda Bazar), Raipur (dist Raipur), Simga (dist Baloda Bazar), Rajnandgaon (dist Rajnandgaon), Akaltara (dist Janjgir), Pithora (dist Mahasamund), Patharia (dist Mungeli), Labhandih (dist Raipur), Hardibazar (dist Korba), Kukdur (dist Kabirdham), Saragaon (dist Janjgir), Dadhi (dist Bemetara), Raipur City (dist Raipur) 7 Each; **East Madhya Pradesh**: Bichhia (dist Mandla) 21; Waraseoni (dist Balaghat), Matiyari (dist Mandla) 15 Each; Balaghat-aws (dist Balaghat), Shahdole(sohagpur) (dist Shahdol), Dhanora (dist Seoni) 14 Each; Nainpur (dist Mandla), Pali (dist Umari), Sleemanabad (dist Katni), Ghughri (dist Mandla) 13 Each; Manpur (dist Umari), Chandia (dist Umari), Bilaspur (dist Umari) 12 Each; Lalburra (dist Balaghat), Kirnapur (dist Balaghat) 11 Each; Jabera (dist Damoh), Niwas (dist Mandla), Gohparu (dist Shahdol), Bahoriband (dist Katni), Karkeli (dist Umari), Mawai (dist Mandla) 10 Each; Mandla (dist Mandla), Seoni (dist Seoni), Umari-aws (dist Umari), Jaithari (dist Anuppur), Birsia (dist Balaghat), Chhapara (dist Seoni), Badwara (dist Katni), Mohgaon (dist Mandla), Baihar (dist Balaghat), Channodi (dist Shahdol), Bilhari (dist Katni), Bakal (dist Katni) 9 Each; Malanjkhanda (dist Balaghat), Paraswada (dist Balaghat), Damoh-aws (dist Damoh), Ghansore (dist Seoni), Tendukheda (dist Damoh), Bijuri (dist Anuppur), Nowrozabad (dist Umari) 8 Each; Sagar-aws (dist Sagar), Patharia (dist Damoh), Bajag (dist Dindori), Rahatgarh (dist Sagar), Barghat (dist Seoni), Raipura (dist Panna) 7 Each; **Madhya Maharashtra**: Igatpuri (dist Nashik) 17; Trimbakshwar (dist Nashik) 13; Lonavala ARG (dist Pune) 11; Radhanagar (dist Kolhapur) 9; Ozarkheda - Fmo (dist Nashik) 8; Mahabaleshwar (dist Satara), Peth (dist Nashik) 7 Each; **Odisha**: Samakhunta (dist Mayurbhanj) 17; Batli (dist Bargarh) 16; Balasore (dist Balasore) 15; Th Rampur (dist Kalahandi) 11; Atabira (dist Bargarh), Muruda (dist Mayurbhanj) 10 Each; Hirakud (dist Sambalpur), Burla (dist Sambalpur), Remuna (dist Balasore), Baripada (dist Mayurbhanj), Jaipur (dist Balasore), Ambabhonra (dist Bargarh) 9 Each; Bargarh (dist Bargarh) 8; Nilgiri (dist Balasore), Betanati (dist Mayurbhanj), Rasagovindapur (dist Mayurbhanj) 7 Each; **Uttarakhand**: Loharkhet (dist Bageshwar) 17; Sama (dist Bageshwar) 12; Tehri (dist Garhwal Tehri) 8; **Saurashtra & Kutch**: Bhuj (dist Kutch) 15; Nakhatrana (dist Kutch) 13; Vallabhipur (dist Bhavnagar) 11; Mandvi(k) (dist Kutch), Kandla Airport (dist Kutch) 7 Each; **West Uttar Pradesh**: Moradabad (dist Moradabad), Kasganj (dist Kasganj) 15 Each; Aligarh (dist Aligarh) 12; Sambhal (dist Sambhal) 9; Kasba Tanda (dist Rampur), Rath (dist Hamirpur), Sikandra Rao (dist Hathras) 8 Each; Khurja (dist Bulandshahar) 7; **Gujarat Region**: Dolvan (dist Tapi) 13; Subir (dist Dangs) 12; Bardoli (dist Surat), Balasinor (dist Mahisagar), Palsana (dist Surat) 9 Each; Waghai (dist Dangs), Khanvel (dist Dadara & Nagar Haveli), Vansda (dist Navsari), Dangs (ahwa) (dist Dangs) 8 Each; Vagra (dist Bharuch), Surat City (dist Surat), Meghraj (dist Aravalli), Ukai (dist Surat) 7 Each; **East Rajasthan**: Rajgarh (dist Alwar), Sikrai (dist Dausa) 13 Each; Todabhim (dist Karauli) 12; Mahwa (dist Dausa) 11; Udaipur-wati (dist Jhunjhunu) 9; Viratnagar SR (dist Jaipur), Sallopat SR (dist Banswara), Alwar SR (dist Alwar) 7 Each; **Haryana-Chandigarh-Delhi**: Ateli (dist Mahendragarh), Bhadra REV (dist Charkhi Dadri) 13 Each; Revenue Office AWS (dist Charkhi Dadri) 10; Najafgarh AWS (dist South West Delhi), Dhansa (dist South West Delhi) 9 Each; Narnaul (dist Mahendragarh), Uklana Rly (dist Hisar), Nagina REV (dist Nuh) 8 Each; Dadri (dist Charkhi Dadri) 7; **Jharkhand**: Kumardungi (dist West Singhbhum) 12; Panchet (dist Dhanbad) 10; Herhanj (dist Latehar) 7; **Konkan & Goa**: Vikramgad (dist Palghar) 11; Jawhar (dist Palghar) 10; Matheran (dist Raigad), Murbad (dist Thane), Wada (dist Palghar) 9 Each; Shahapur (dist Thane) 8; Bhiwandi (dist Thane), Palghar ARG (dist Palghar) 7 Each; **West Madhya Pradesh**: Jawar (dist Sehore) 9; Sabalgarh (dist Morena), Aron (dist Guna), Sohagpur (dist Narmadapuram), Khaniyadana (dist Shivpuri), Bankhedhi (dist Narmadapuram) 8 Each; **Coastal Karnataka**: Manki (dist Uttara Kannada)

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8; Yellapur (dist Uttara Kannada) 7; **South Interior Karnataka**: Bhagamandala (dist Kodagu) 8; Kammardi (dist Chikkamagaluru) 7; **Kerala & Mahe**: Peringome AWS (dist Cannur) 8; Tellichery (dist Cannur) 7; **Vidarbha**: Gondia AP (dist Gondia) 8; Gondia (dist Gondia), Tirora (dist Gondia) 7 Each; **Punjab**: Bharatgarh (dist Rupnagar), Ganguwal (dist Rupnagar) 8 Each; **Gangetic West Bengal**: Purulia (dist Purulia) 7; **Sub Himalayan West Bengal & Sikkim**: Jhallong (dist Kalimpong) 7.

❖ **Heavy Rainfall observed** (from 0830 hours IST of yesterday to 0830 hours IST of today): **Extremely heavy rain** at isolated places over East Madhya Pradesh and Chhattisgarh. **Heavy to very heavy rain** at isolated places over Odisha, Jharkhand, West Uttar Pradesh, Uttarakhand, Haryana-Chandigarh-Delhi, East Rajasthan, East Madhya Pradesh, Gujarat Region, Saurashtra & Kutch, Madhya Maharashtra and Chhattisgarh. **Heavy rain** at isolated places over Sub Himalayan West Bengal & Sikkim, Gangetic West Bengal, Punjab, West Madhya Pradesh, Konkan & Goa, Vidarbha, Coastal Karnataka, South Interior Karnataka and Kerala & Mahe.

❖ **Minimum Temperature Departures (as on 07-07-2025): markedly above normal(> 5.1°C)** at few places over Assam & Meghalaya; at isolated places over Bihar, West Uttar Pradesh, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, West Madhya Pradesh, East Madhya Pradesh and Saurashtra & Kutch. **appreciably above normal(3.1°C to 5.0°C)** at isolated places over Andaman & Nicobar Islands, Sub Himalayan West Bengal & Sikkim, East Uttar Pradesh, West Rajasthan, Gujarat Region and Coastal Andhra Pradesh & Yanam. **above normal(1.6°C to 3.0°C)** at most places over Coastal Karnataka; at few places over Punjab, Rayalaseema and Tamil Nadu, Puducherry & Karaikal; at isolated places over Nagaland, Manipur, Mizoram & Tripura, Gangetic West Bengal, Odisha, Uttarakhand and Haryana-Chandigarh-Delhi. **near normal(-1.5°C to 1.5°C)** at many places over Jharkhand, East Rajasthan, Chhattisgarh, Telangana and Kerala & Mahe; at most places over Arunachal Pradesh, Konkan & Goa, Madhya Maharashtra, Marathwada, Vidarbha, North Interior Karnataka, South Interior Karnataka and Lakshadweep. **The lowest minimum temperature** of 17.2°C is reported at Khargone (West Madhya Pradesh) over the Plains of India.

❖ **Maximum Temperature Departures (as on 06-07-2025): markedly above normal(> 5.1°C)** at isolated places over Odisha and Bihar. **appreciably above normal(3.1°C to 5.0°C)** at isolated places over Himachal Pradesh and Tamil Nadu, Puducherry & Karaikal. **above normal(1.6°C to 3.0°C)** at few places over Arunachal Pradesh, Assam & Meghalaya, Sub Himalayan West Bengal & Sikkim, Kerala & Mahe and Lakshadweep; at isolated places over Andaman & Nicobar Islands, East Uttar Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and Rayalaseema. **near normal(-1.5°C to 1.5°C)** at many places over West Uttar Pradesh, Uttarakhand, Marathwada, Coastal Andhra Pradesh & Yanam, Telangana and North Interior Karnataka; at most places over Nagaland, Manipur, Mizoram & Tripura, Konkan & Goa and Coastal Karnataka; at few places over Gangetic West Bengal, Haryana-Chandigarh-Delhi, Punjab, Saurashtra & Kutch, Madhya Maharashtra and South Interior Karnataka; at isolated places over West Rajasthan, East Rajasthan, West Madhya Pradesh and East Madhya Pradesh. **The highest maximum temperature** of 39.3°C was reported at BIKANER (RAJASTHAN).

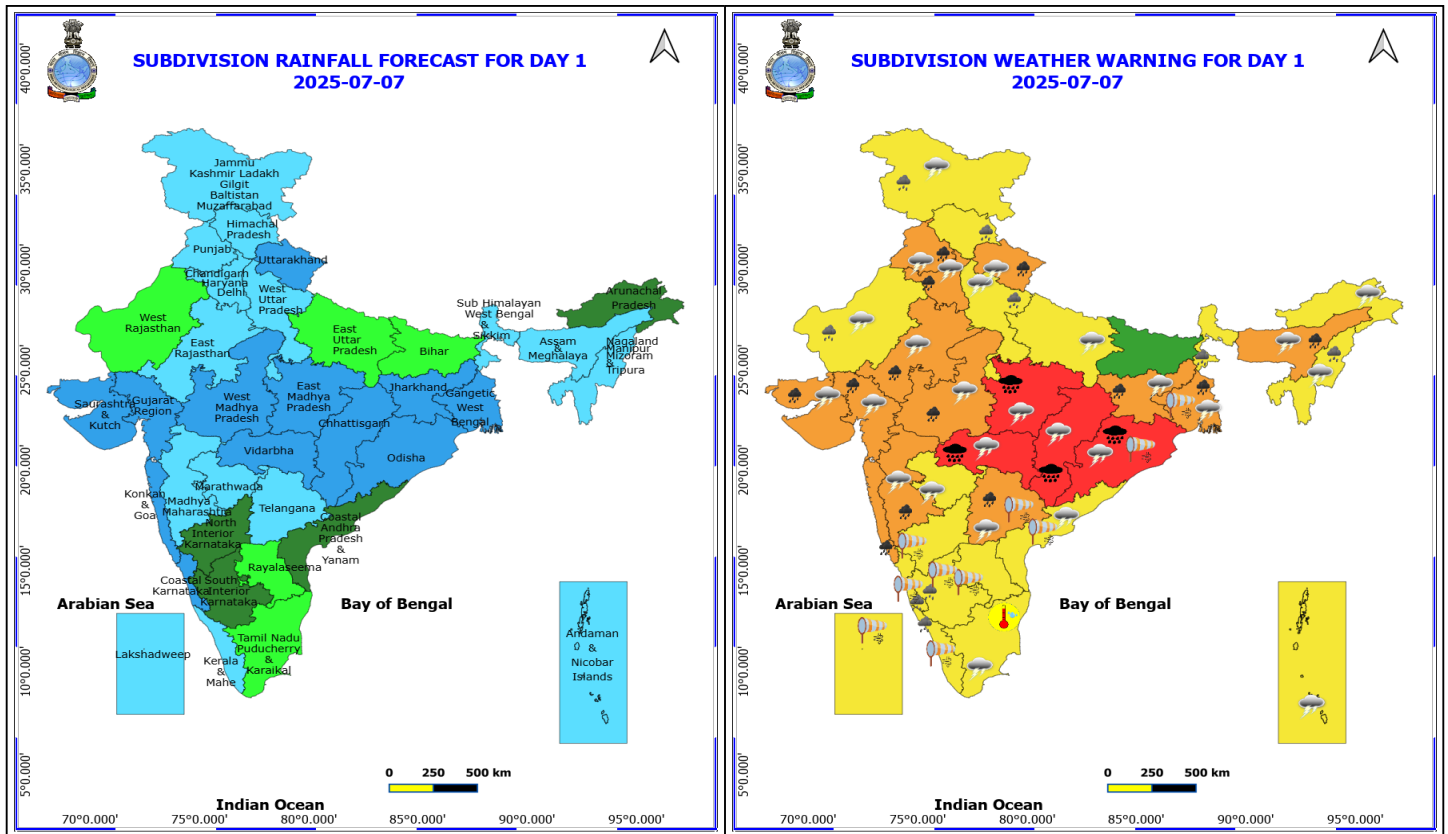


#### Meteorological Analysis (Based on 1430 hours IST)

- The **Low-Pressure area** over southwest Gangetic West Bengal & neighbourhood persists at 1430 hrs IST of today, the 07<sup>th</sup> July 2025. The associated cyclonic circulation extending upto 7.6 km above mean sea level tilting southwestwards with height persists. It is likely to move slowly west-northwestwards across Jharkhand and north Chhattisgarh during next 2 days.
- The core of **Tropical Easterly Jet (75 knots)** lies at 100 hPa and significantly shift to the north passing across central Andhra Pradesh, Telangana and north Maharashtra. It is likely to support **Low-Pressure area** and associated east-west trough over the region by providing upper-level divergence and hence increase in rainfall activity over Chhattisgarh, Madhya Pradesh, Telangana and Maharashtra.
- The **monsoon trough** at mean sea level continues to pass through Sri Ganganagar, Sirsa, Meerut, Varanasi, Daltonganj, Purulia, centre of the **Low-Pressure area** over southwest Gangetic West Bengal & neighbourhood and thence east southeastwards to northeast Bay of Bengal.
- The **trough** from south Rajasthan to the above cyclonic circulation associated with the **Low-Pressure area** over southwest Gangetic West Bengal & neighbourhood across central Madhya Pradesh, north Chhattisgarh, south Jharkhand between 3.1 km & 7.6 km above mean sea level tilting southwards with height persists.
- The **upper air cyclonic circulation** over north Haryana & adjoining Himachal Pradesh at 1.5 km above mean sea level persists.
- The **off-shore trough** at mean sea level lay off South Gujarat to north Kerala coasts persists.

#### Weather Outlook for subsequent 3 days

- Fairly widespread to widespread rainfall very likely over Central India, along west Coast, Islands, East India, Northeast India & Northwest India.
- Scattered rainfall very likely over rest parts of the country.



## 7 July (Day 1)

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

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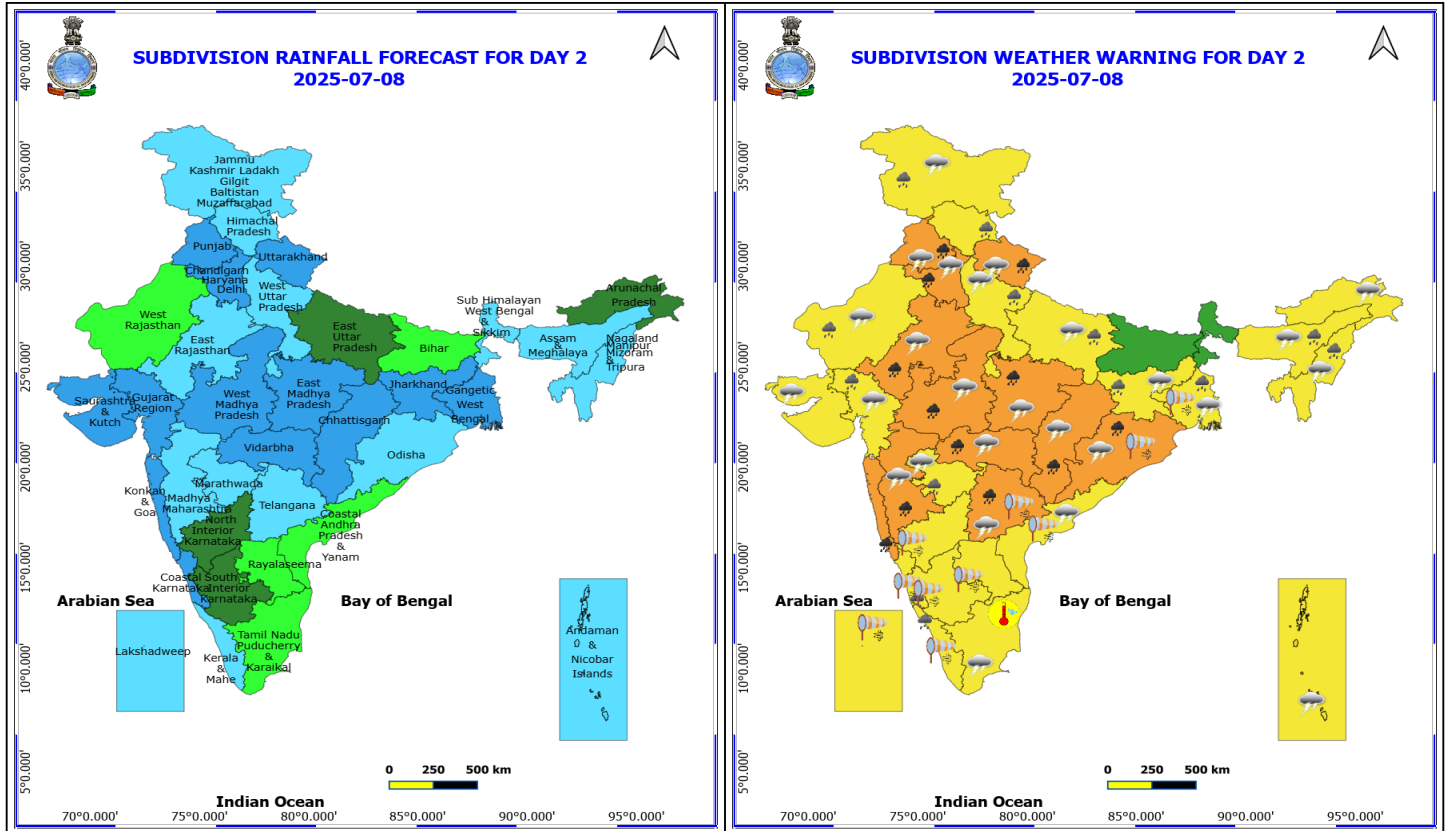
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Jharkhand.

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



## 8 July (Day 2)

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

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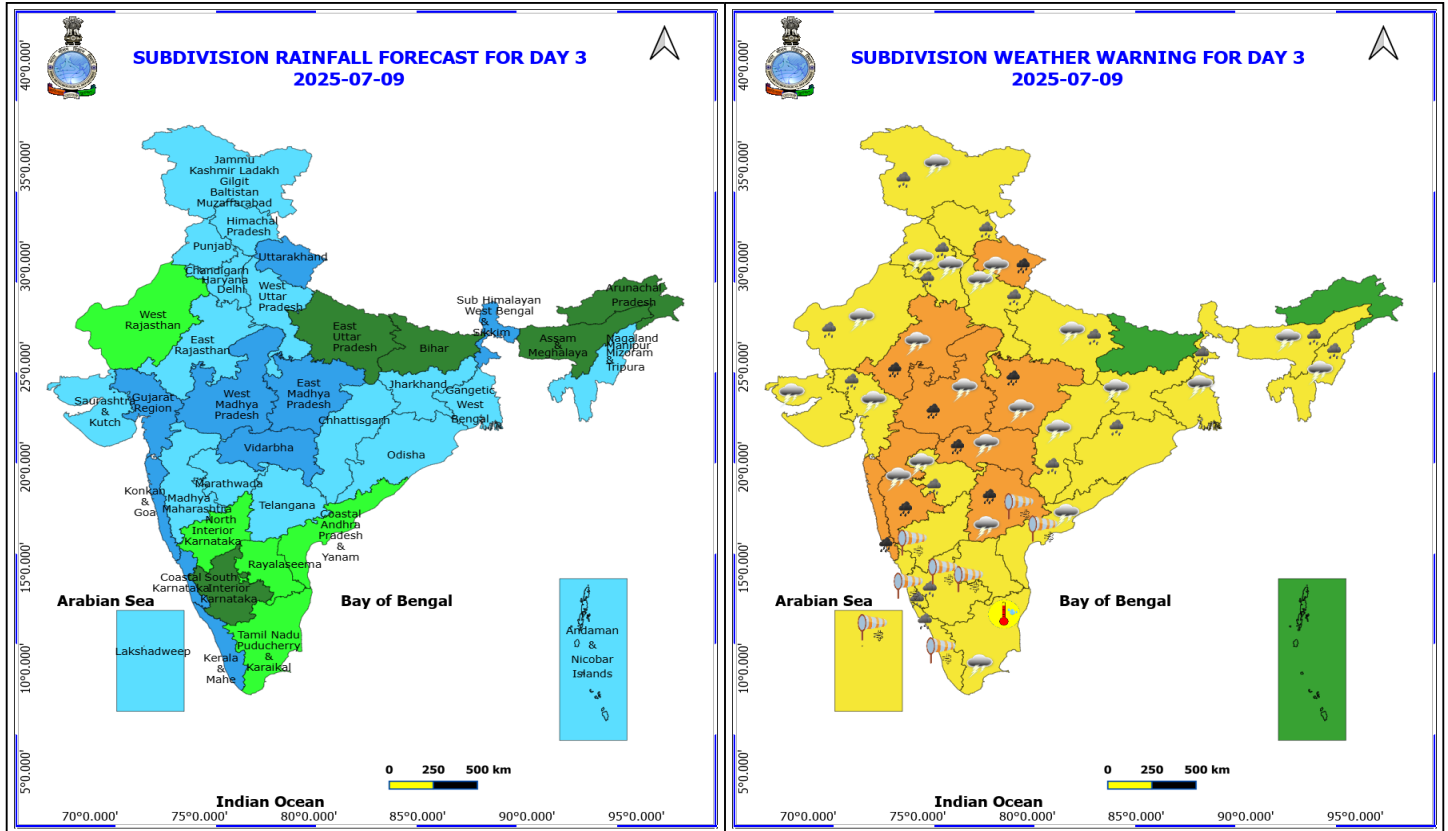
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Konkan, Goa, Karnataka coasts and adjoining sea areas, over some southern parts of northeast Arabian Sea, along and off north Andhra Pradesh, Odisha, West Bengal, Bangladesh coasts, off south Andhra Pradesh coast, over most parts of north Bay of Bengal, many parts of westcentral Bay of Bengal, some northern parts of southwest Bay of Bengal.



## 9 July (Day 3)

- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over East Rajasthan, Konkan & Goa, Madhya Maharashtra, Madhya Pradesh, Telangana, Uttarakhand and Vidarbha.
- ❖ **Heavy Rainfall** very likely at isolated places over Assam & Meghalaya, Chhattisgarh, Coastal Karnataka, Gujarat Region, Haryana, Chandigarh & Delhi, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Kerala & Mahe, Marathwada, Nagaland, Manipur, Mizoram and Tripura, Odisha, Punjab, South Interior Karnataka, Sub Himalayan West Bengal & Sikkim, Uttar Pradesh and West Rajasthan.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Gangetic West Bengal, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and West Rajasthan.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Assam & Meghalaya, Chhattisgarh, Coastal Andhra Pradesh, East Rajasthan, Gujarat State, Haryana, Chandigarh & Delhi, Jharkhand, Madhya Pradesh, Maharashtra, Nagaland, Manipur, Mizoram and Tripura, Punjab, Tamil Nadu Puducherry & Karaikal, Telangana, Uttar Pradesh and Uttarakhand.
- ❖ **Strong Surface Winds** very likely at isolated places over Andhra Pradesh, Karnataka, Kerala & Mahe, Lakshadweep and Telangana.
- ❖ **Hot and Humid weather** very likely at isolated places over Tamil Nadu Puducherry & Karaikal.
- 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, many parts of eastcentral Arabian Sea, northern parts of southwest Arabian Sea, Gulf of Mannar.
- Squally weather with wind speed 40 - 50 kmph gusting to 60 kmph likely to prevail along and off south Gujarat & adjoining north Gujarat coast, Konkan, Goa, Karnataka coasts and adjoining sea areas, over some

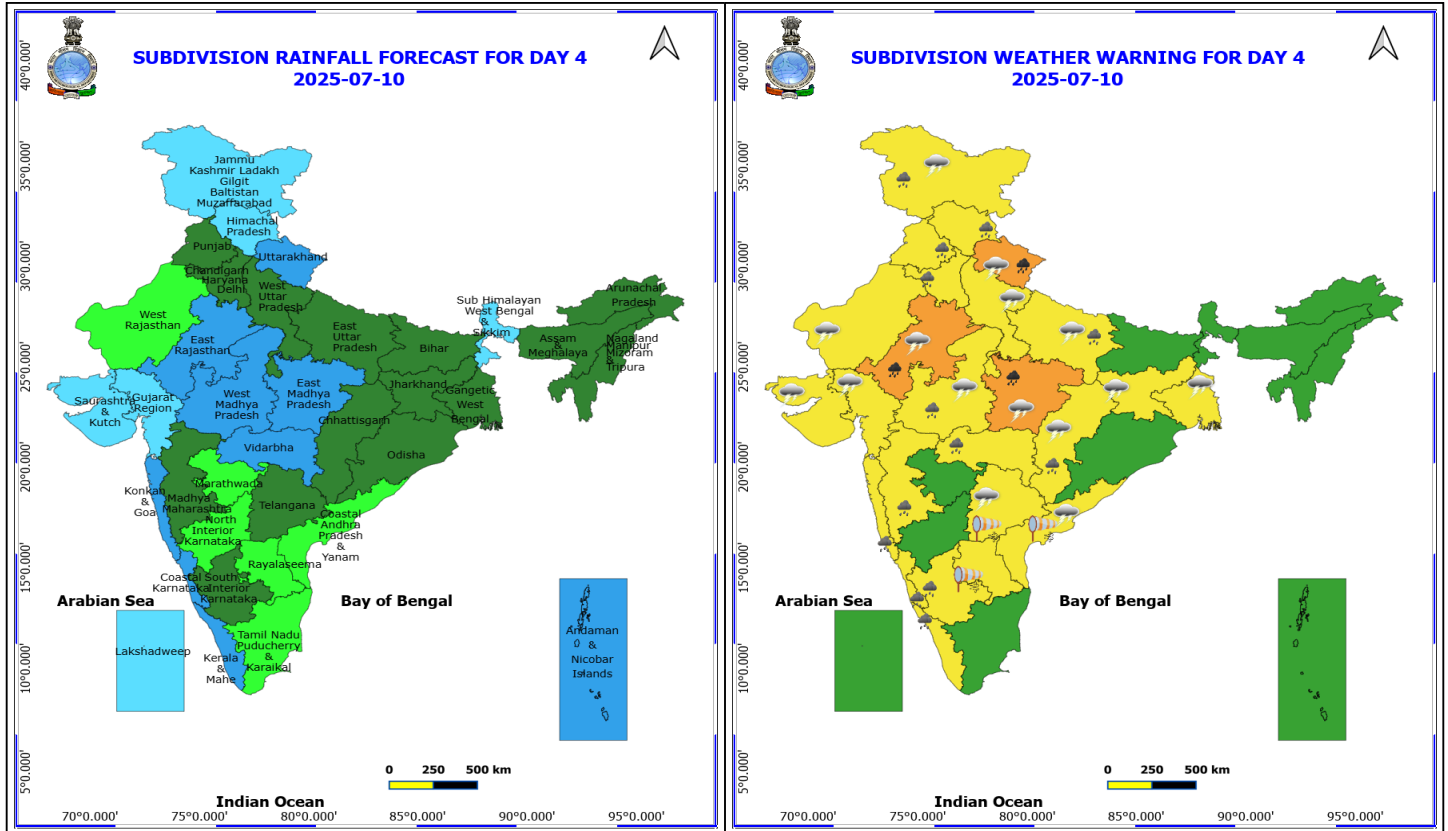
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southern parts of northeast Arabian Sea, over many parts of westcentral Bay of Bengal, along and off north Andhra Pradesh coast, adjoining Odisha coast, some southern parts of northwest Bay of Bengal.



#### 10 July (Day 4)

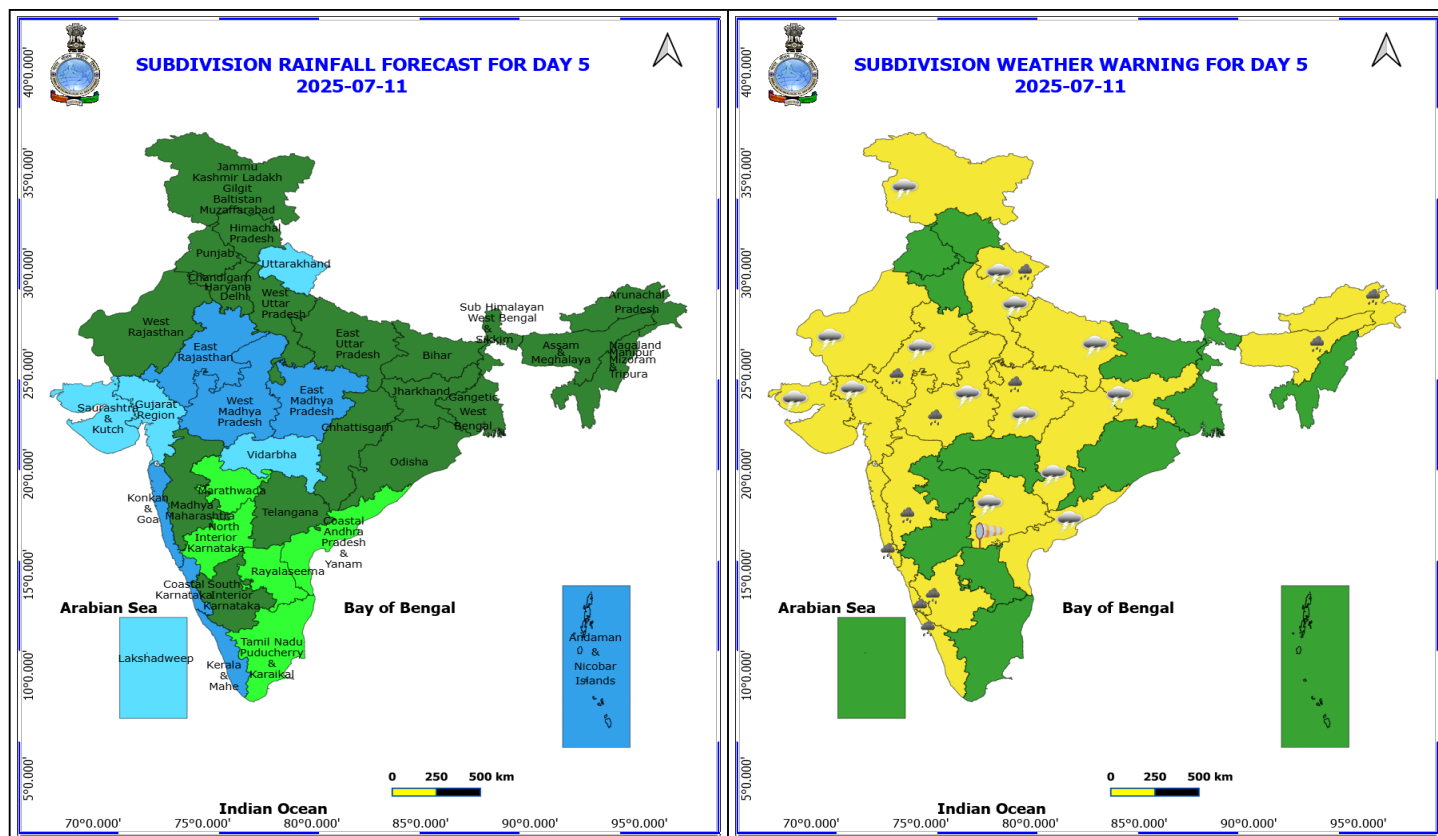
- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over East Madhya Pradesh, East Rajasthan and Uttarakhand.
- ❖ **Heavy Rainfall** likely at isolated places over Chhattisgarh, Coastal Karnataka, East Uttar Pradesh, Haryana, Chandigarh & Delhi, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Kerala & Mahe, Konkan & Goa, Madhya Maharashtra, Punjab, South Interior Karnataka, Vidarbha and West Madhya Pradesh.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Gangetic West Bengal, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and West Rajasthan.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Chhattisgarh, Coastal Andhra Pradesh, East Rajasthan, Gujarat State, Jharkhand, Madhya Pradesh, Telangana, Uttar Pradesh and Uttarakhand.
- ❖ **Strong Surface Winds** likely at isolated places over Andhra Pradesh and Telangana.
  - 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, many parts of eastcentral Arabian Sea, northern parts of southwest Arabian Sea.
  - Squally weather with wind speed 40 - 50 kmph gusting to 60 kmph likely to prevail along and off south Gujarat & adjoining north Gujarat coast, Konkan, Goa, Karnataka coasts and adjoining sea areas, over some southern parts of northeast Arabian Sea, over some parts of westcentral Bay of Bengal, over few southern parts of northwest Bay of Bengal.

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## 11 July (Day 5)

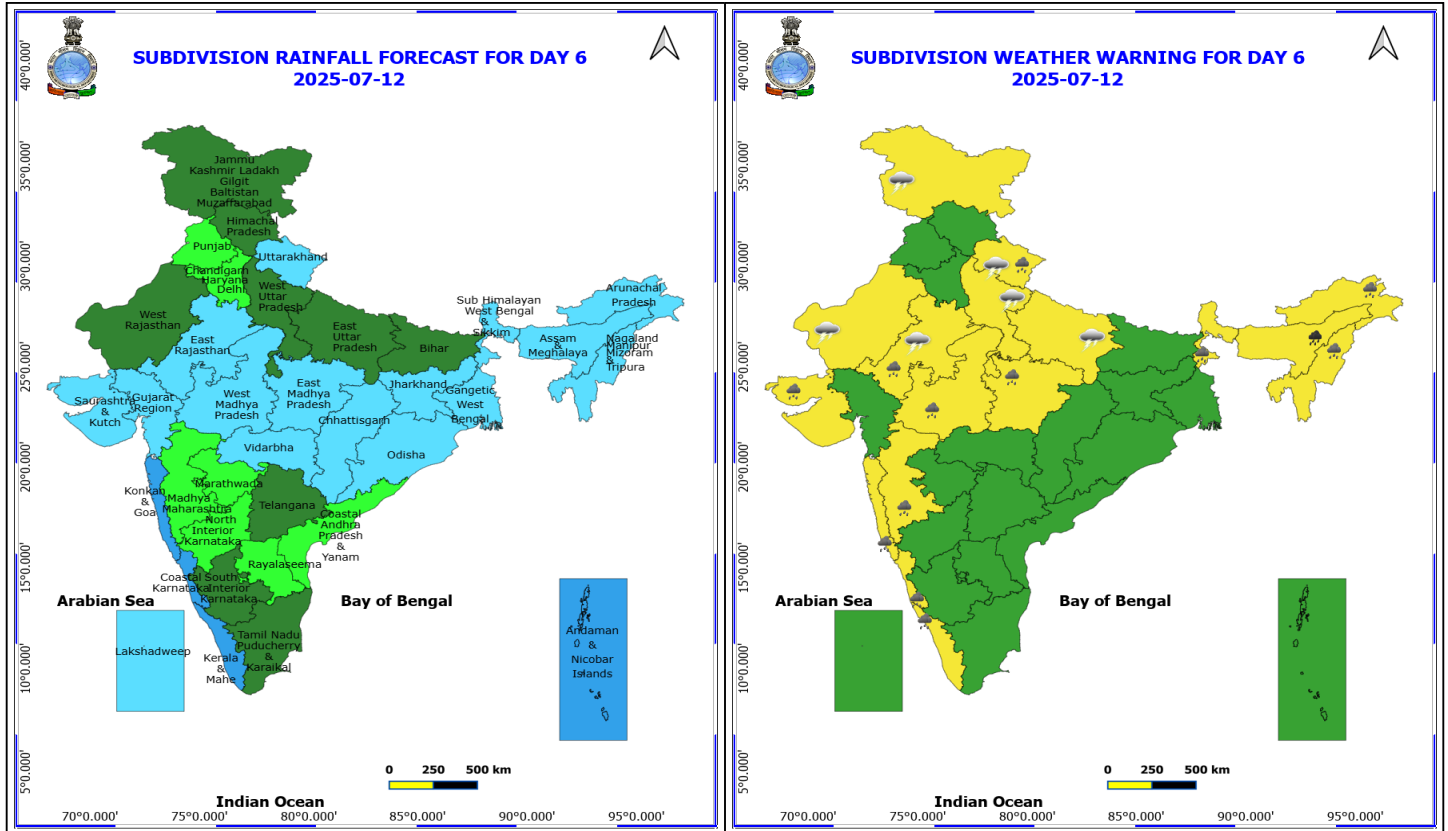
- ❖ **Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Coastal Karnataka, East Rajasthan, Kerala & Mahe, Konkan & Goa, Madhya Maharashtra, Madhya Pradesh, South Interior Karnataka and Uttarakhand.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and West Rajasthan.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Chhattisgarh, Coastal Andhra Pradesh, East Rajasthan, Gujarat State, Jharkhand, Madhya Pradesh, Telangana, Uttar Pradesh and Uttarakhand.
- ❖ **Strong Surface Winds** likely at isolated places over Telangana..
  - 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, many parts of eastcentral Arabian Sea, northern parts of southwest Arabian Sea, Gulf of Mannar.
  - Squally weather with wind speed 40 - 50 kmph gusting to 60 kmph likely to prevail along and off south Gujarat & adjoining north Gujarat coast, Konkan, Goa, Karnataka coasts and adjoining sea areas.

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## 12 July (Day 6)

- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Assam & Meghalaya.
- ❖ **Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Coastal Karnataka, East Rajasthan, Kerala & Mahe, Konkan & Goa, Madhya Maharashtra, Madhya Pradesh, Nagaland, Manipur, Mizoram and Tripura, Saurashtra & Kutch, Sub Himalayan West Bengal & Sikkim and Uttarakhand.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and West Rajasthan.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over East Rajasthan, Uttar Pradesh and Uttarakhand.

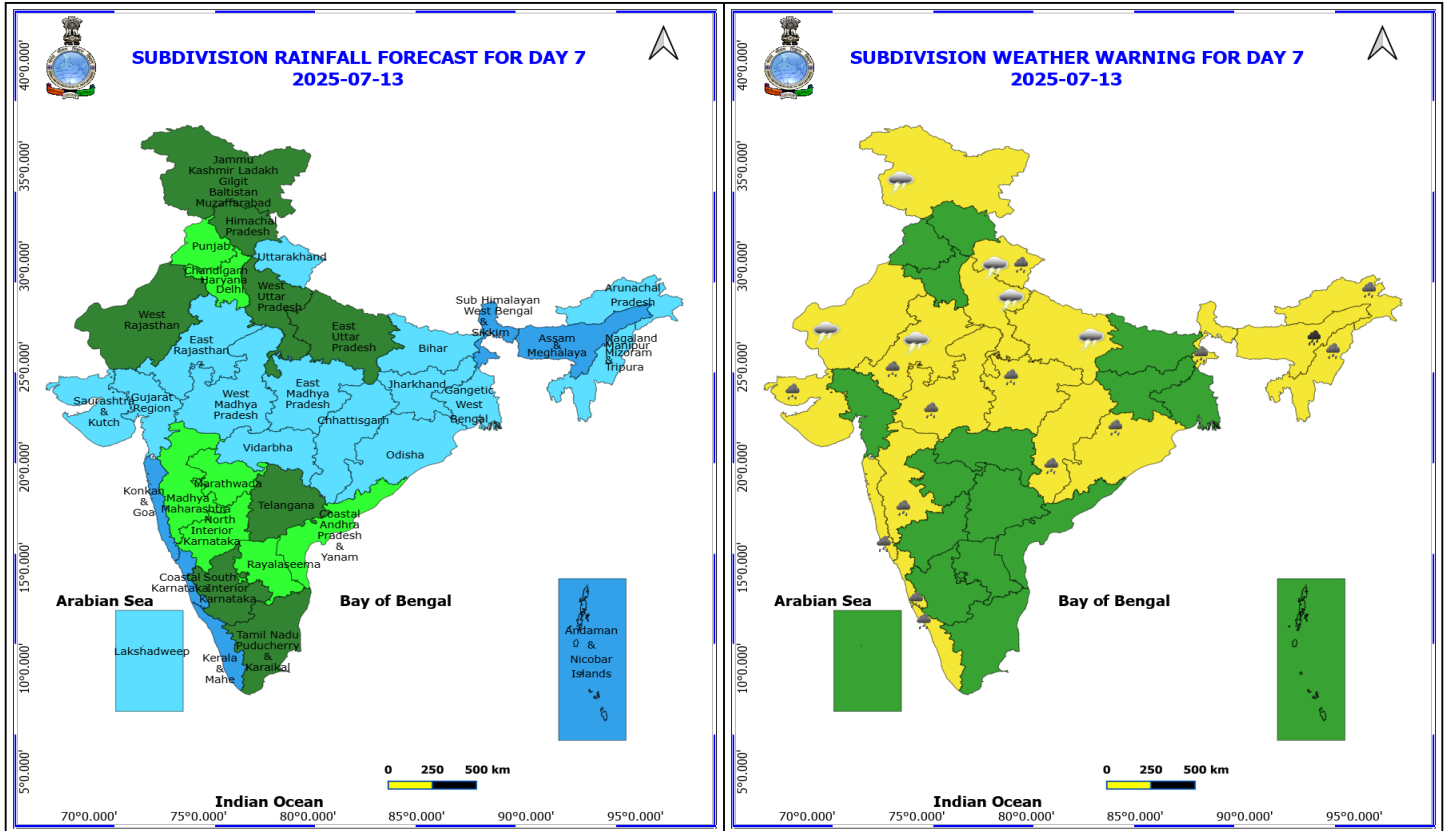
**No Fishermen Warning**

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### 13 July (Day 7)

- ❖ **Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Coastal Karnataka, East Rajasthan, Kerala & Mahe, Konkan & Goa, Madhya Maharashtra, Madhya Pradesh, South Interior Karnataka and Uttarakhand.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and West Rajasthan.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Chhattisgarh, Coastal Andhra Pradesh, East Rajasthan, Gujarat State, Jharkhand, Madhya Pradesh, Telangana, Uttar Pradesh and Uttarakhand.
- ❖ **Strong Surface Winds** likely at isolated places over Telangana..

**No Fishermen Warning**

## Flash Flood Warnings

### 24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 08-07-2025 :

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

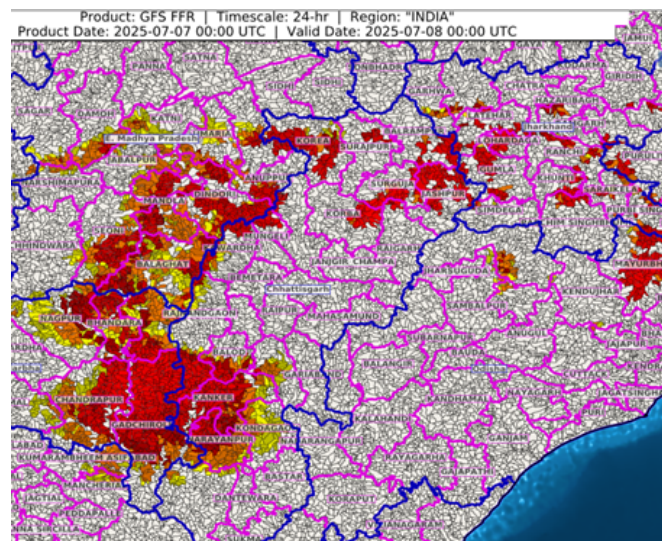
**Chhattisgarh** - Balarampur, Balod, Bastar, Bijapur, Bilaspur, Jashpur, Kanker, Kondagaon, Korba, Korea, Mungeli, Narayanpur, Rajnandgaon, Surajpur and Surguja districts.

**East Madhya Pradesh** - Anuppur, Balaghat, Chhindwara, Damoh, Dindori, Jabalpur, Katni, Mandla, Narshimpura, Sagar, Seoni, Shahdol and Umaria districts.

**Vidarbha** - Bhandara, Chandrapur, Gadchiroli, Gondiya, Nagpur, Wardha and Yavatmal districts.

**Adjoining Telangana** - Adilabad, Kumaram Bheem and Mancherial 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 08-07-2025 :

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

**Assam & Meghalaya** - Cachar, N.C Hills, East Khasi Hills, West Khasi Hills and Jaintia Hills districts.

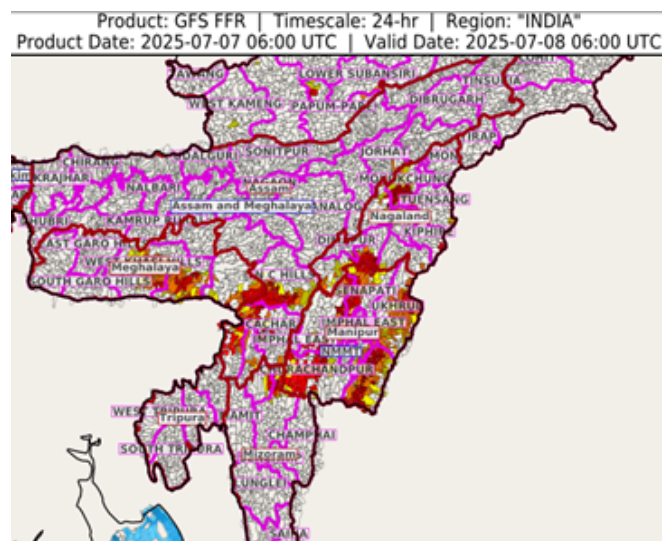
**Nagaland Mizoram Manipur Tripura (NMMT) –**

**Manipur**- Bishnupur, Chandel, Churachandpur, Imphal East, Imphal West, Senapati, Tamenglong, Thoubal, Ukhrul,

**Mizoram**- Aizawl, Kolasib,

**Nagaland**- Dimapur, Kiphire, Kohima, Longleng, Mokokchung and Wokha 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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**24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 08-07-2025 :**

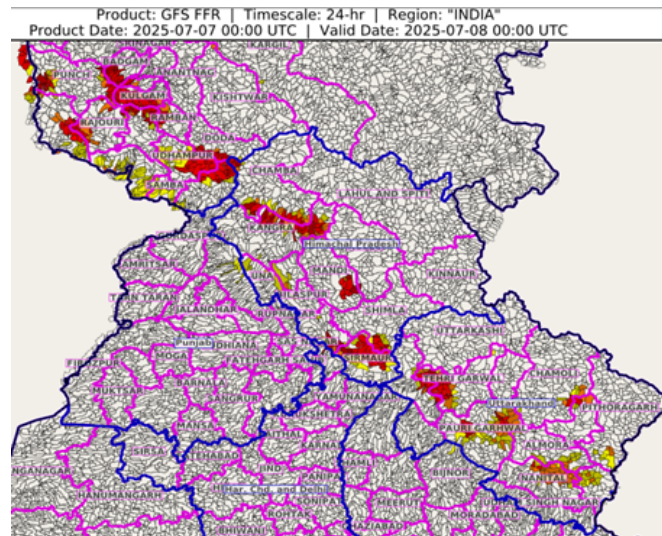
**Low to Moderate flash flood risk** likely over few watersheds & neighbourhoods of following Met Sub-divisions during next 24 hours.

**Himachal Pradesh** - Bilaspur, Chamba, Hamirpur, Kangra, Kullu, Mandi, Shimla, Sirmaur, Solan and Una districts.

**Jammu & Kashmir & Ladakh** - Badgam, Doda, Jammu, Kathua, Kulgam, Kupwara, Punch, Rajouri, Ramban, Samba, Shopian, Udhampur and Mirpur districts.

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

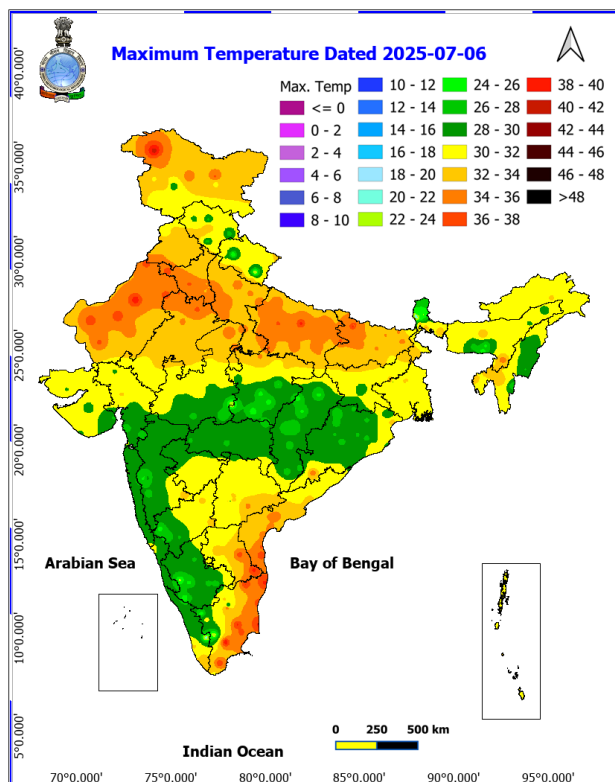


Fig. 2: Departure of Maximum Temp. Dated 2025-07-07

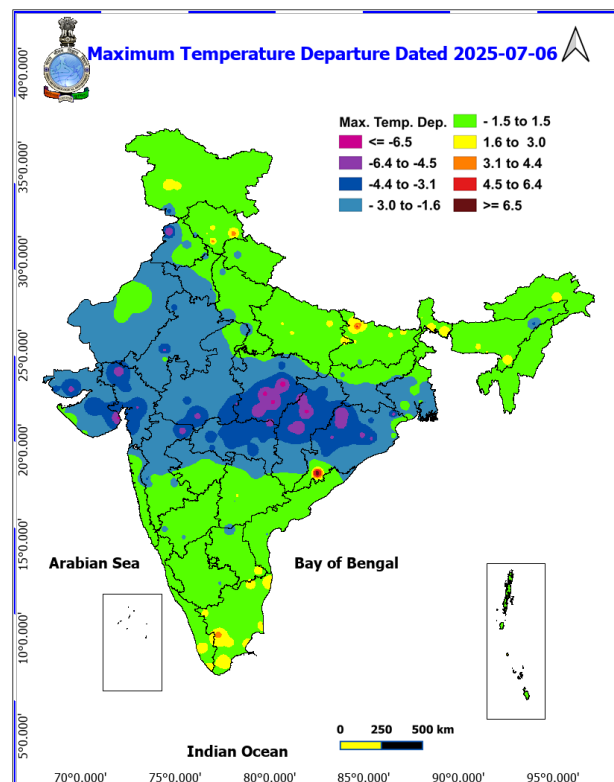


Fig. 3: Minimum Temperatures Dated 2025-07-07

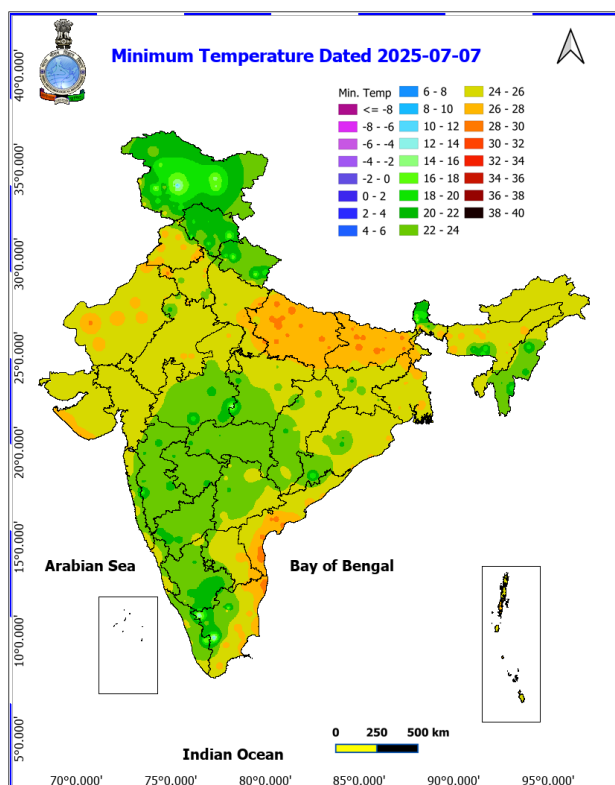
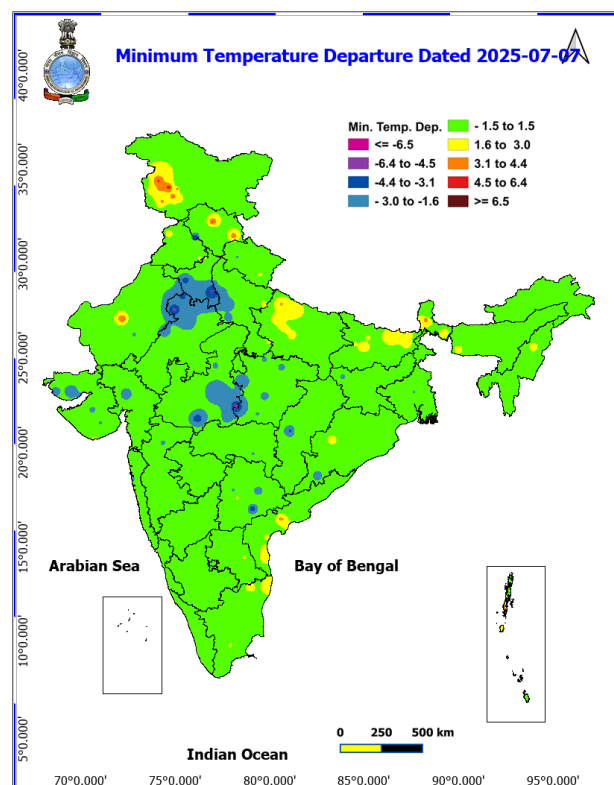
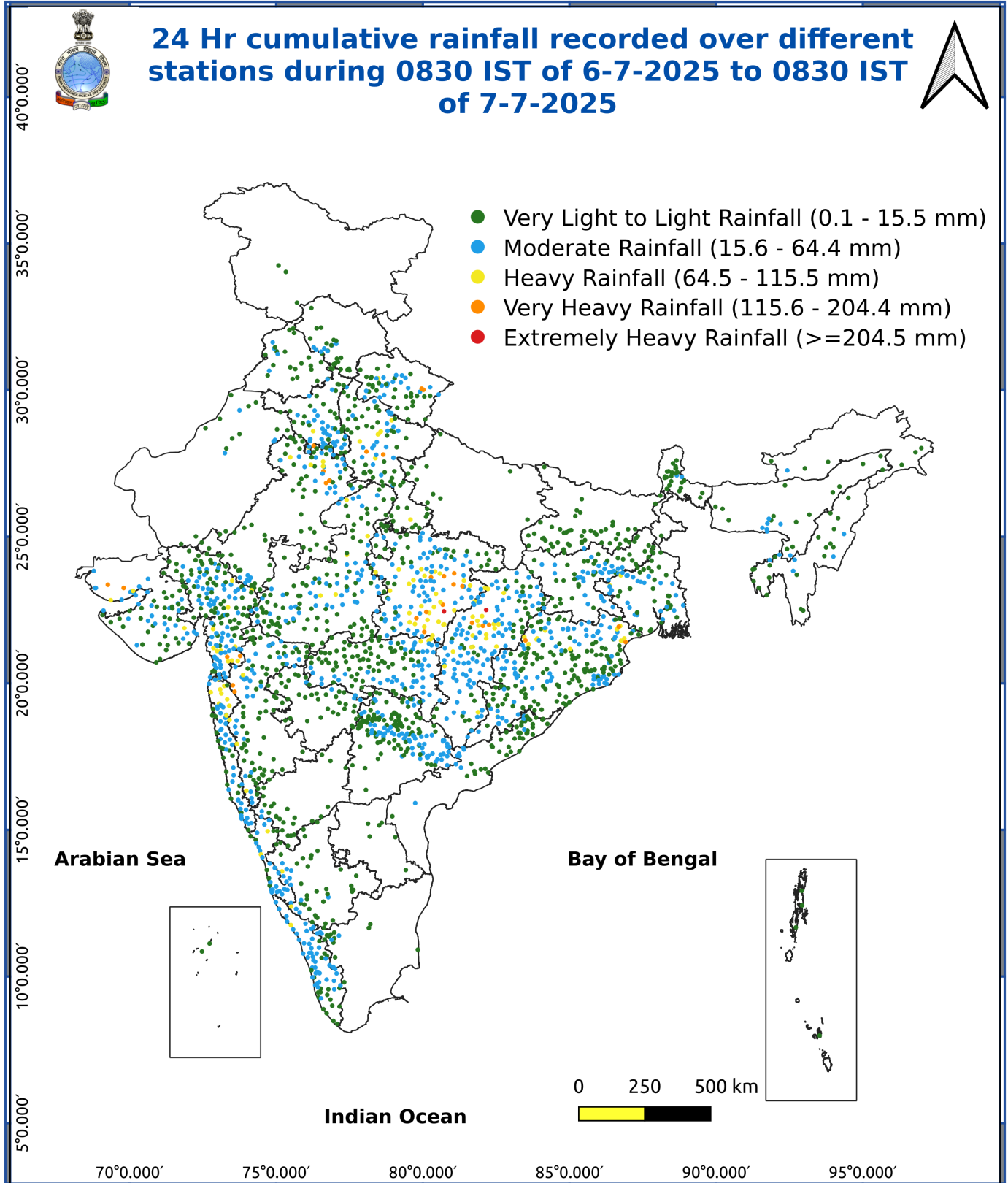


Fig. 4: Departure of Minimum Temp. Dated 2025-07-07





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- **Extremely heavy rainfall ( $\geq 21$  cm)** very likely at isolated places over East Madhya Pradesh, Chhattisgarh and Vidarbha on 07<sup>th</sup> July.
- **very heavy rainfall** over Madhya Pradesh, Uttarakhand, East Rajasthan, Konkan, Madhya Maharashtra during 07<sup>th</sup>-10<sup>th</sup>; Gangetic West Bengal, Jharkhand, Meghalaya on 07<sup>th</sup> and Odisha on 07<sup>th</sup> & 08<sup>th</sup>; Vidarbha, Telangana on 08<sup>th</sup> & 09<sup>th</sup>; Chhattisgarh on 08<sup>th</sup>; Punjab, Haryana Chandigarh on 07<sup>th</sup> & 08<sup>th</sup> July.

#### Impact Expected

- Localized Flooding of roads, water logging in low lying areas and closure of underpasses mainly in urban areas of the above region.
- Occasional reduction in visibility due to heavy rainfall.
- Disruption of traffic in major cities due to water logging in roads leading to increased travel time.
- Minor damage to kutcha roads.
- Possibilities of damage to vulnerable structure.
- Localized Landslides/Mudslides/landslides/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

- In **East Madhya Pradesh**, postpone sowing of maize and soybean and transplanting of rice. Drain out excess water from rice nurseries and transplanted rice fields, fields of already sown maize and soybean. In **West Madhya Pradesh**, drain out excess water from fields of maize, soybean and vegetables and fruit orchards to avoid waterlogging. Postpone sowing of soybean in **Satpura Plateau Zone** and **Gird Zone** and sowing of rice nurseries in **Central Narmada Valley Zone**.
- In **Chhattisgarh**, ensure proper drainage in rice nurseries, fields of rice, maize, pigeon pea, minor millets and vegetables. Postpone line sowing / transplanting of rice and sowing of pigeon pea, maize and soybean in **Plain Zone** and sowing of pigeon pea in **North Hill Zone**.
- In **Uttarakhand**, ensure proper drainage facilities in soybean, maize, barnyard millet, finger millet, pigeon pea, kidney beans, vegetables and orchards. Harvest matured vegetables and fruits and store in safe place.
- In **Himachal Pradesh**, drain out excess water from the fields of maize and vegetables and fruit orchards. Harvest matured fruits and vegetables and store them in safer places. In **High Hills Sub Temperate Wet Zone**, postpone sowing of kidney beans and nursery sowing and transplanting of rice.
- In **East Rajasthan**, drain out excess water from the fields of cotton, soybean, groundnut and green gram. Postpone sowing of maize in **Southern Humid Plain Zone**, sowing or re-sowing of sesame, green gram and pearl millet in **Flood Prone Eastern Plain Zone** and sowing of green gram, cluster bean, pearl millet and sesame in **Sub Humid Southern Plain and Aravali Hill Zone** till cessation of heavy rainfall.
- In **Konkan**, make arrangement to drain out excess water from rice and finger millet nurseries, groundnut, vegetables and orchards. In **ghat areas** of **Madhya Maharashtra** drain out excess water from rice and finger millet nurseries. In **Vidarbha**, ensure proper drainage in *kharif* crops such as rice, soybean, cotton etc., vegetable nurseries and orchards.
- In **Gujarat region**, drain out excess water from rice nurseries, sugarcane fields, banana and mango plantations to prevent waterlogging. Provide support to sugarcane with strong bamboo or tie the leaves together to prevent lodging. In **Saurashtra & Kutch**, drain out excess water from fields of groundnut, soybean, cotton and vegetables and horticultural plantations. Undertake propping in sugarcane with strong bamboo or tie the leaves together in a clump to protect against wind and heavy rain.

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- In **Odisha**, ensure proper drainage from already sown rice nurseries, fields of maize and vegetables to prevent waterlogging. Harvest matured vegetables and fruits and keep in safer places. In **West Central Table Land Zone**, postpone sowing of pigeon pea and groundnut. In case of poor germination / no germination in maize crop due to waterlogged condition, carry out re-sowing during favourable weather. In **Keonjhar** district, postpone sowing of maize.
- In **Gangetic West Bengal**, ensure proper drainage from rice, jute and vegetable fields. In **New Alluvial Zone**, harvest matured sesame and groundnut crop immediately and keep in safer places.
- In **Jharkhand**, make necessary arrangements to drain out excess water from maize fields, rice and vegetable nurseries. Cover the vegetable nurseries with polythene sheets.

#### Livestock / Fishery

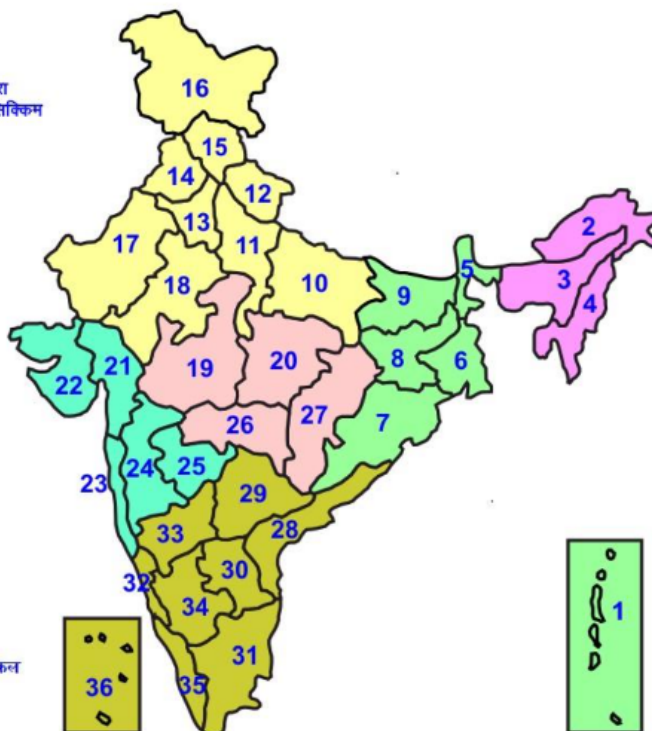
- Keep the animals inside the shed during heavy rainfall and provide them balanced feed.
- Store feed and fodder in a safe place to prevent spoilage.
- Construct an outlet with proper netting around the ponds to drain out excess water, thereby preventing fish from escaping in case of overflow.

#### 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.

## LEGENDS

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



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

## SPATIAL DISTRIBUTION (% of Stations reporting)


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


## Subdivision Colour


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


## Probabilistic Forecast


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


-  Heavy Rain


 Thunderstorm & Lightning


 Strong surface winds


 Cold Wave


 Hot & Humid


 Very Heavy Rain


 Hailstorm


 Heat Wave


 Cold Day


 Extremely Heavy Rain


 Dust Storm


 Hot Day

 Ground Frost

 Heavy Snow

 Dust Raising Winds

 Warm Night

 Fog

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## LEGENDS

### WARNING

<b>WARNING (TAKE ACTION)</b>
<b>ALERT (BE PREPARED)</b>
<b>WATCH (BE UPDATED)</b>
<b>NO WARNING (NO ACTION)</b>

### 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  $4.5^{\circ}\text{C}$  to  $6.4^{\circ}\text{C}$ .  
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  $40^{\circ}\text{C}$

Warm Night: When minimum temperature departure  $4.5^{\circ}\text{C}$  to  $6.4^{\circ}\text{C}$ .  
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  $-4.5^{\circ}\text{C}$  to  $-6.4^{\circ}\text{C}$ .  
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  $-4.5^{\circ}\text{C}$  to  $-6.4^{\circ}\text{C}$ .  
Severe Cold Day: Maximum Temperature Departure from normal  $\leq -6.5^{\circ}\text{C}$



Phenomenon of small droplets suspended in air and the horizontal visibility  $< 1\text{km}$

Moderate Fog: When the visibility between 500-200 metres  
Dense Fog: when the visibility between 50-200 metres  
Very Dense Fog: when the visibility  $< 50$  metres



Sudden electrical discharges manifested by a flash of light (Lightning) and a sharp rumbling sound (thunder)



An ensemble of particles of dust or sand energetically lifted to great heights by a strong and turbulent wind.



Ice deposits on ground

Air temperature  $\leq 4^{\circ}\text{C}$  (over Plains)



A strong wind that rises suddenly, lasts for at least 1 minute.

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



Effect of various waves in the sea over specific area

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



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

Severe Cyclonic Storm: Wind speed 88-117 kmph (48-63 knots)  
Very Severe Cyclonic Storm: Wind speed 118-165 kmph (64-89 knots)  
Extremely Severe Cyclonic Storm: Wind speed 166-220 kmph (90-119 knots)  
Super Cyclone Storm: Wind speed  $> 220$  kmph ( $> 119$  knots)

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

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

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

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