



2025-06-15

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ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

Significant Weather Features

South Peninsular India:

- Light/moderate rainfall at many/some places accompanied with isolated **thunderstorm, lightning & gusty winds speed reaching 40-50 kmph** over Tamil Nadu, Puducherry & Karaikal on 15th & 16th and Telangana during 15th-19th June.
 - Isolated **heavy rainfall** likely over Tamil Nadu, Puducherry & Karaikal on 17th, Kerala & Mahe on 18th & 19th, Lakshadweep, Telangana on 15th, Coastal Andhra Pradesh & Yanam on 15th & 16th, Karnataka during 16th-18th with
 - **very heavy rainfall** likely at isolated places over Tamil Nadu, Puducherry & Karaikal on 16th. Kerala & Mahe, Karnataka during 15th-17th with **Extremely heavy rainfall (>20 cm/24 hours) likely at isolated places over Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe on 15th, Coastal Karnataka on 15th & 16th June.**
 - **Strong surface winds** (speed reaching 40-60 kmph) very likely over Kerala & Mahe, Lakshadweep during 15th-17th, Rayalaseema and Coastal Andhra Pradesh & Yanam during 15th-19th June.
- West India:**
- Light/moderate rainfall at most/many places accompanied with **thunderstorm, lightning & gusty winds speed reaching 30-40 kmph** likely over Gujarat State during 15th -17th June.
 - Isolated **heavy rainfall** likely over Konkan & Goa, Madhya Maharashtra, Saurashtra & Kutch during 18th-21st, Gujarat Region on 18th & 19th June with
 - **very heavy rainfall** at isolated places over Konkan & Goa during 15th-18th, Madhya Maharashtra, Saurashtra & Kutch during 15th-17th, Gujarat Region on 15th & 16th June with **Extremely heavy rainfall (>20 cm/24 hours) likely at isolated places over Konkan & Goa on 15th & 16th June.**

East & Central India:

- Light/moderate rainfall at most/many places accompanied with **thunderstorm, lightning & gusty winds speed reaching 40-50 kmph** likely over Andaman & Nicobar Islands, Sub-Himalayan West Bengal & Sikkim on 15th, Madhya Pradesh, Vidarbha, Chhattisgarh during 15th-19th; Gangetic West Bengal, Bihar, Jharkhand, Odisha during 15th-20th during June with **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** very likely at isolated places over Jharkhand on 15th, West Madhya Pradesh on 15th & 16th, East Madhya Pradesh during 16th-19th, Chhattisgarh, Bihar on 15th & 16th June.
- Isolated **heavy rainfall** also likely over West Madhya Pradesh on 15th, 20th & 21st, East Madhya Pradesh, Chhattisgarh, Vidarbha, Sub-Himalayan West Bengal & Sikkim during 16th-20th, Gangetic West Bengal, Bihar, during 15th-21st and Jharkhand, Odisha during 16th-20th June with **very heavy rainfall** over Sub-Himalayan West Bengal & Sikkim on 15th, Chhattisgarh, Gangetic West Bengal on 17th, Jharkhand, Odisha on 17th & 18th and over Bihar on 18th & 19th, East Madhya Pradesh on 19th & 20th, June.

Northwest India:

- Light/moderate rainfall at some/isolated places accompanied with **thunderstorm, lightning & gusty winds speed reaching 40-50 kmph** likely over Northwest India during 15th-21st June with **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** over Uttarakhand, Punjab, Haryana on 15th and during Rajasthan during 15th-17th June.
- Isolated **heavy rainfall** likely over Uttarakhand on 15th; Himachal Pradesh on 20th & 21st, Haryana on 15th & 21st, West Uttar Pradesh on 15th and during 18th-21st, East Uttar Pradesh during 18th-21st, West Rajasthan on 16th, East Rajasthan on 15th & 16th, 20th & 21st June with **very heavy rainfall** on Uttarakhand during 16th-21st June.
- **Dust storm (wind speed reaching 50-60 kmph gusting to 70 kmph)** very likely at isolated places over West Rajasthan on 15th June.
- **Hailstorm** also very likely at isolated places over north Haryana on 15th June.

Northeast India:

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- Light/moderate rainfall at many/most places accompanied with **thunderstorm, lightning & gusty winds speed reaching 30-50 kmph** likely to continue over Northeast India during next 7 days with **isolated heavy rainfall** over Arunachal Pradesh, Assam & Meghalaya on 15th & 16th June with **very heavy rainfall** over Arunachal Pradesh during 17th-21st, Assam & Meghalaya during 16th-21st, Nagaland, Manipur, Mizoram & Tripura during next 7 days.

Maximum Temperature Forecast:

- Maximum Temperatures likely to fall by 3-5°C over Northwest India during next 24 hours and no significant change thereafter.
- No significant change in maximum temperatures likely over Central India during next 24 hours and gradual fall by 2-4°C thereafter during subsequent 5 days.
- Maximum Temperatures likely to fall by 3-4°C over Northwest India during next 3 days and no significant change thereafter.
- No significant change in maximum temperatures likely over rest parts of the country.

Heat wave, Hot & Humid weather and Warm Night warnings:

- **Hot & humid weather** is likely to prevail over East Uttar Pradesh and Bihar today on 15th June.

Main Weather Observations:

❖ **Rainfall distribution** (from 0830 hours IST to 1730 hours IST of today): **at most places** over Konkan & Goa, Coastal Karnataka, Nagaland, Manipur, Mizoram & Tripura, Uttarakhand, South Interior Karnataka, Lakshadweep, Gangetic West Bengal and Kerala & Mahe; **at many places** over Odisha, Madhya Maharashtra, Sub-himalayan West Bengal & Sikkim, East Rajasthan, North Interior Karnataka, Himachal Pradesh, West Rajasthan, Punjab, Andaman & Nicobar Islands, West Uttar Pradesh, East Uttar Pradesh, Bihar, Jharkhand, Saurashtra & Kutch, Telangana, Marathwada, Coastal Andhra Pradesh & Yanam, Rayalaseema, Vidarbha, Chhattisgarh, Assam & Meghalaya, East Madhya Pradesh, Tamilnadu Puducherry & Karaikal, Gujarat Region and West Madhya Pradesh; **Dry** over rest of the country.

❖ **Significant rainfall recorded(in cm)** (from 0830 hours IST to 1730 hours IST of today): Coastal Karnataka: Mangalore (bajpe) AP (dist Dakshina Kannada) 10, Honavar (dist Uttara Kannada) 5, Karwar (dist Uttara Kannada) 4; **Uttarakhand**: Dehra Dun-mokampur (dist Dehradun) 6, Tehri (dist Tehri Garhwal) 2; Kerala & Mahe: Cannanore (kannur) (dist Kannur) 6, Palakkad (palghat) (dist Palakkad) 5, Kozhikode (calicut), Karipur, Kozhikode (dist Kozhikode), Thrissur (dist Thrissur) 3 Each, Thiruvananthapuram-city (dist Thiruvananthapuram), Kochi (dist Ernakulam) 2 Each; Gujarat region: Surat (dist Surat) 4; **Odisha**: Chhatrapur (dist Ganjam) 4, Keonjhar (dist Kendujhar) 3, Angul (dist Angul), Boudh (dist Boudh) 2 Each; Tamilnadu puducherry & karaikal: Valparai(upasitri) (dist Coimbatore) 4, Kanyakumari (dist Kanyakumari) 2; Gangetic west bengal: Kolkata-salt Lake (dist North 24 Parganas) 3; Konkan & Goa : Panjim (dist North Goa) 3; Madhya Maharashtra : Mahabaleshwar (dist Satara) 3; East madhya pradesh: Narsinghpur (dist Narsinghpur) 3; **Lakshadweep** : Minicoy (dist **Lakshadweep**) 3, Agathi (dist **Lakshadweep**) 2; Sub-himalayan west bengal & sikkim: Malda (dist Malda) 2; Assam & Meghalaya: Guwahati (dist Kamrup Metropolitan) 2; **Chhattisgarh**: Bilaspur (dist Bilaspur) 2; **Vidarbha**: Amraoti (dist Amravati) 2.

❖ **Heavy Rainfall observed** (from 0830 hours IST to 1730 hours IST of today): **Heavy rain** at a few places over Coastal Karnataka, at isolated places over Uttarakhand.

❖ **Heat Wave observed** at isolated places over East Uttar Pradesh.

❖ **Minimum Temperature Departures (as on 15-06-2025): markedly above normal(> 5.1°C)** at isolated places over Assam & Meghalaya, Sub Himalayan West Bengal & Sikkim, Odisha, Bihar, West Uttar Pradesh, Punjab, Himachal Pradesh, West Rajasthan, East Madhya Pradesh and Saurashtra & Kutch. **appreciably above normal(3.1°C to 5.0°C)** at few places over Jharkhand, East Uttar Pradesh and Haryana-Chandigarh-Delhi; at isolated places over Gangetic West Bengal, West Madhya Pradesh, Gujarat Region, Madhya Maharashtra and Vidarbha. **above normal(1.6°C to 3.0°C)** at many places over Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad; at few places over Andaman & Nicobar Islands, Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Uttarakhand and Rayalaseema; at isolated places over Chhattisgarh, Coastal Andhra Pradesh & Yanam and Tamil Nadu, Puducherry & Karaikal. **near normal(-1.5°C to 1.5°C)** at many places over Kerala & Mahe; at most places over East Rajasthan, Konkan & Goa, Marathwada, Telangana, Coastal Karnataka, North Interior Karnataka and South Interior Karnataka; at few places over Lakshadweep. **The lowest minimum temperature of 20.0°C was reported at NEW DELHI (SAFDARJUNG) (DELHI UT), KHANDWA (MADHYA PRADESH), and DHARWAD (KARNATAKA)** over the Plains of India.

❖ **Maximum Temperature Departures (as on 15-06-2025): markedly above normal(> 5.1°C)** at most places over Arunachal Pradesh; at isolated places over Assam & Meghalaya, East Uttar Pradesh and Himachal Pradesh. **appreciably above normal(3.1°C to 5.0°C)** at isolated places over Sub Himalayan West Bengal & Sikkim, Odisha, Bihar, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad, East Madhya Pradesh, Vidarbha and Chhattisgarh. **above normal(1.6°C to 3.0°C)** at few places over Jharkhand and Gujarat Region; at isolated places over Nagaland, Manipur, Mizoram & Tripura, Gangetic West Bengal, Punjab, West Madhya Pradesh, Saurashtra & Kutch, Telangana and Tamil Nadu, Puducherry & Karaikal. **near normal(-1.5°C to 1.5°C)** at many places over Andaman & Nicobar Islands, West Uttar Pradesh, West Rajasthan, East Rajasthan, Konkan & Goa, Madhya Maharashtra, Marathwada and Coastal Andhra Pradesh & Yanam; at few places over Haryana-Chandigarh-Delhi and Lakshadweep; at isolated places over Uttarakhand, Rayalaseema, South Interior Karnataka and Kerala & Mahe. **The highest maximum temperature of 43.2°C was reported at VARANASI (UTTAR PRADESH).**

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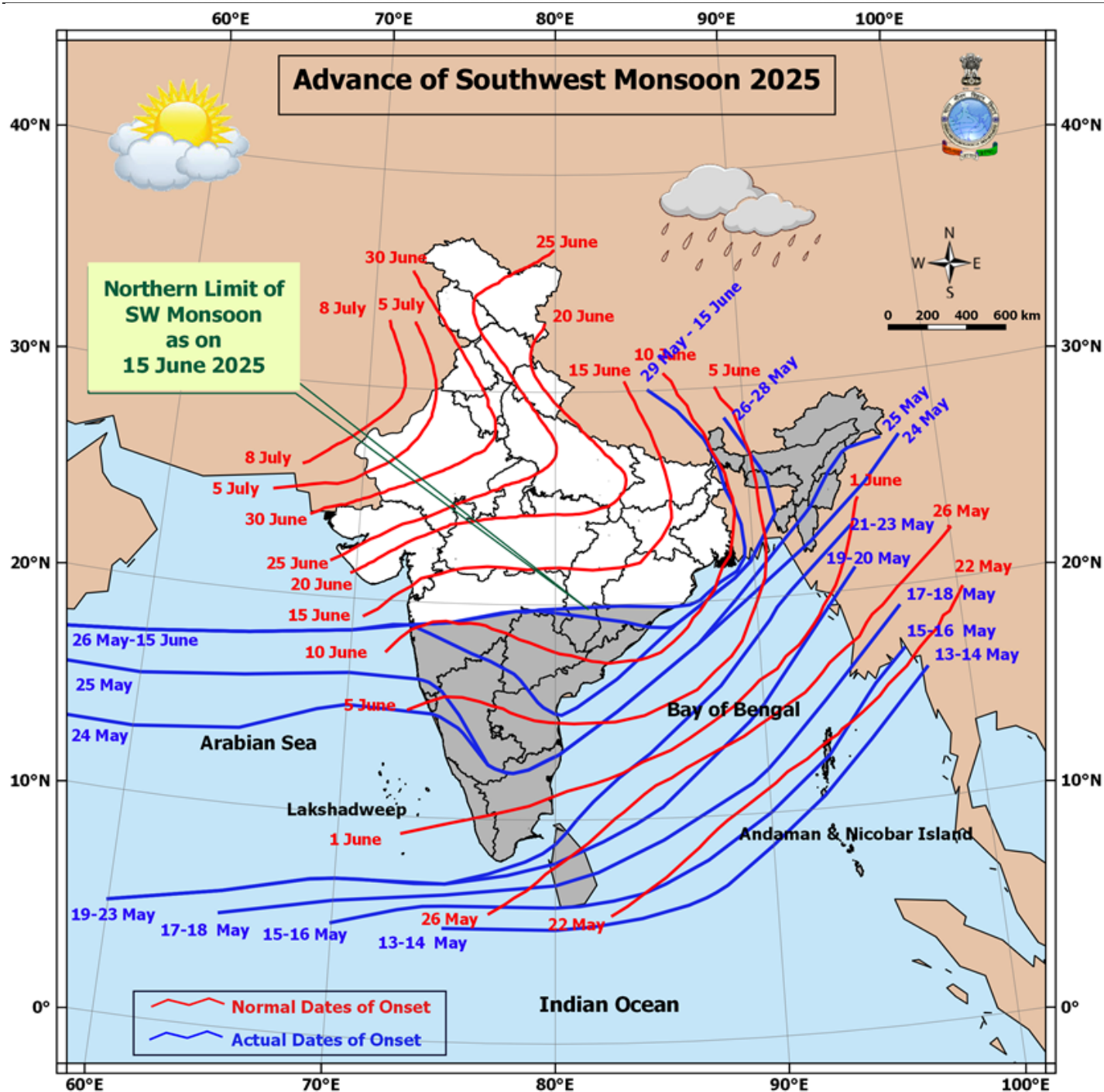
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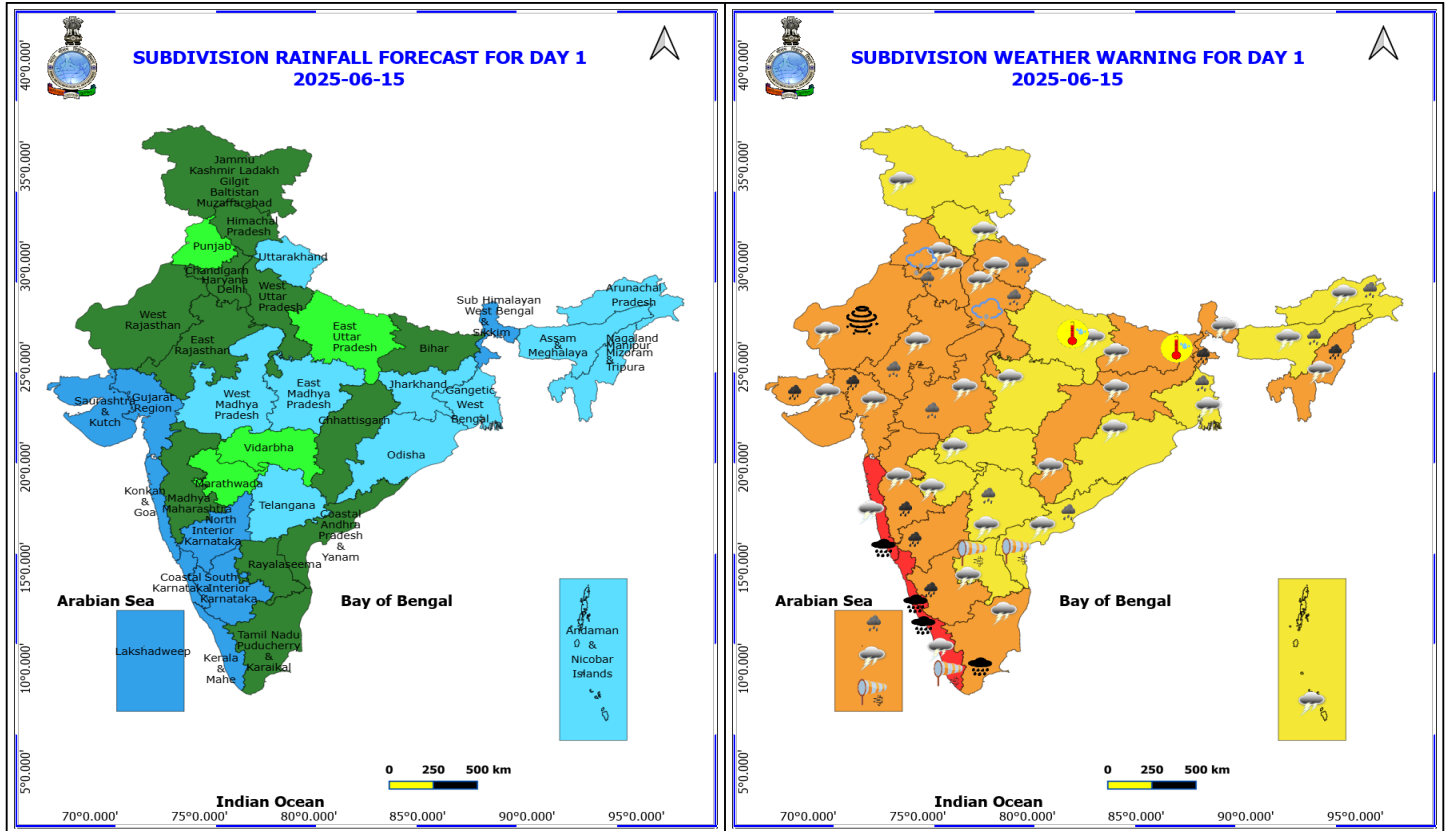
Meteorological Analysis (Based on 1730 hours IST)

- The Northern Limit of Monsoon continues to pass through 17.0°N/55°E, 17.5°N/60°E, 18°N/65°E, 18.5°N/70°E, Mumbai, Ahilyanagar, Adilabad, Bhawanipatna, Puri, Sandhead Island, 23.5°N/89.5°E, Balurghat, 30°N/85°E.
- Conditions are favourable for further advancement of Southwest monsoon over some parts of Gujarat, some more parts of Vidarbha, Chhattisgarh & Odisha during next 24 hours; over some parts of West Bengal, Jharkhand, Bihar and East Uttar Pradesh during subsequent 3 days.
- The **cyclonic circulation** over Northwest Bay of Bengal & neighbourhood between 3.1 & 7.6 km above mean sea level tilting Southwestwards with height persists.
- The **upper air cyclonic circulation** over South Madhya Maharashtra & neighbourhood now lies over central parts of Konkan and adjoining eastcentral Arabian sea & extends upto 7.6 km above mean sea level tilting southwestwards with height.
- The **trough** from East Madhya Pradesh to Bangladesh across Chhattisgarh, Jharkhand & Gangetic West Bengal extending upto 1.5 km above mean sea level tilting Southwestwards with height persists.
- The **cyclonic circulation** over Central Assam & neighbourhood at 4.5 km above mean sea level persists.
- The **upper air cyclonic circulation** over North Rajasthan & neighbourhood extending upto 1.5 km above mean sea level persists.
- The **trough** from the above upper air cyclonic circulation over North Rajasthan & neighbourhood to West Madhya Pradesh at 1.5 km above mean sea level persists.
- The **upper air cyclonic circulation** over south Himachal Pradesh & adjoining north Uttarakhand at 1.5 km above mean sea level persists.
- The **upper air cyclonic circulation** over East Uttar Pradesh & neighbourhood at 0.9 km above mean sea level persists.
- The **Western Disturbance** as a trough in middle tropospheric westerlies with its axis at 5.8 km above mean sea level roughly along Long. 70°E to the north of Lat. 26°N persists.

Weather Outlook for subsequent 3 days

Fairly widespread to widespread rainfall activity likely over West, Northwest, East, Northeast India, Chhattisgarh, Madhya Pradesh, Coastal Karnataka, North Coastal Andhra Pradesh and Lakshadweep; Isolated to scattered rainfall likely over Remaining parts of the country.





15 June (Day 1)

- ❖ **Heavy to Very Heavy Rainfall with isolated Extremely Heavy Rainfall** very likely at isolated places over Costal Karnataka, Kerala & Mahe, Konkan & Goa and Tamil Nadu Puducherry & Karaikal.
- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Gujarat State, Interior Karnataka, Madhya Maharashtra, Nagaland, Manipur, Mizoram and Tripura and Sub Himalayan West Bengal & Sikkim.
- ❖ **Heavy Rainfall** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Coastal Andhra Pradesh, East Rajasthan, Gangetic West Bengal, Haryana, Chandigarh & Delhi, Lakshadweep, Telangana, Uttarakhand, West Madhya Pradesh and West Uttar Pradesh.
- ❖ **Thunderstorm accompanied with Hailstorm** very likely at isolated places over Punjab and West Uttar Pradesh.
- ❖ **Thundersquall with wind speed reaching(50-60kmph)** very likely at isolated places over Bihar, Chhattisgarh, Haryana, Chandigarh & Delhi, Jharkhand, Kerala & Mahe, Lakshadweep, Punjab, Rajasthan, Uttarakhand and West Madhya Pradesh.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Andaman & Nicobar Islands, East Madhya Pradesh, Gujarat State, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Tamil Nadu Puducherry & Karaikal, Uttar Pradesh and Vidarbha.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram and Tripura, Odisha, Telangana and West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Andhra Pradesh, Arunachal Pradesh, Konkan & Goa, Madhya Maharashtra and Marathwada.

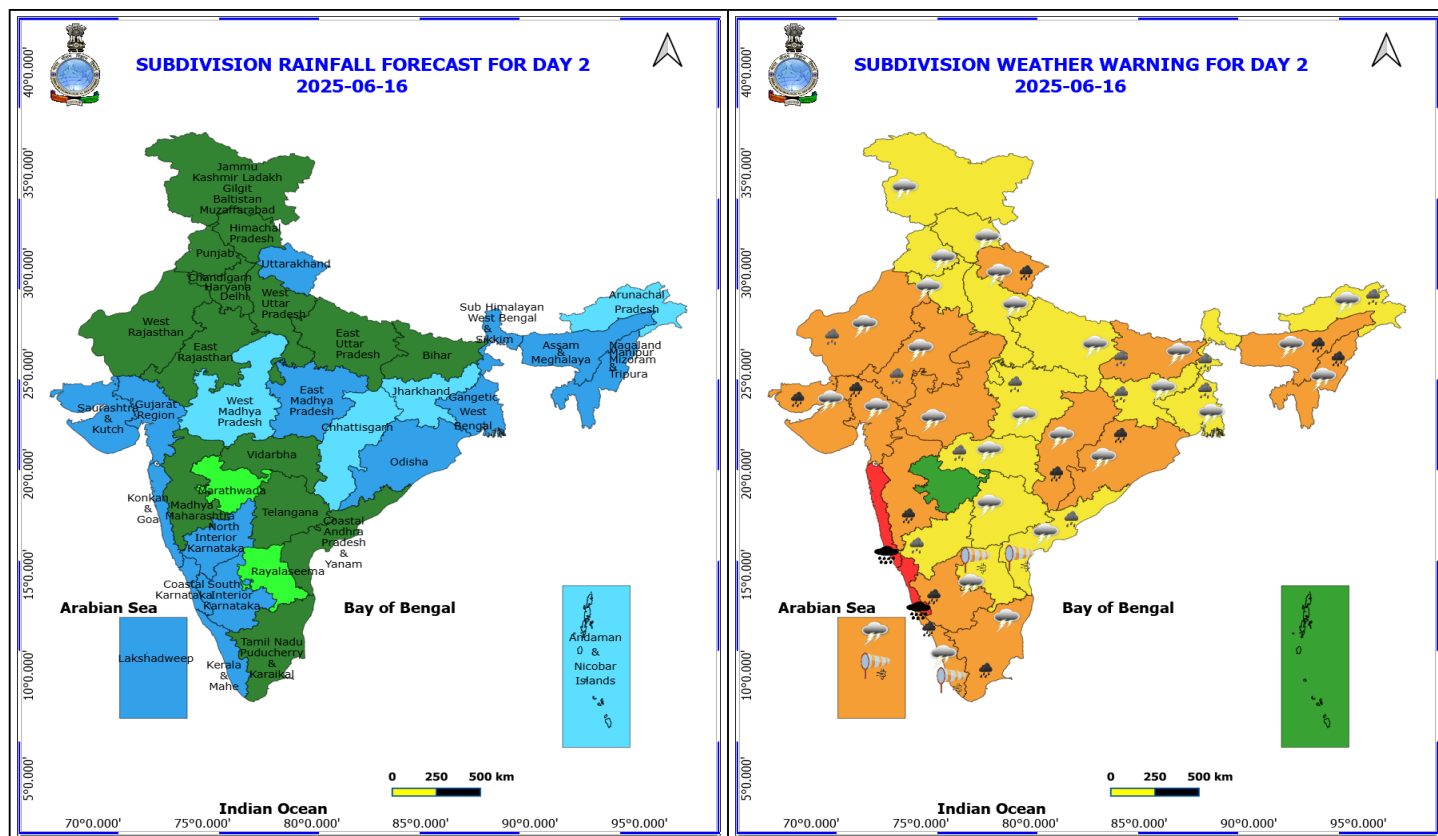
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- ❖ **Dust Storm** very likely at isolated places over West Rajasthan.
- ❖ **Strong Surface Winds** very likely at isolated places over Andhra Pradesh, Kerala & Mahe and Lakshadweep.
- ❖ **Hot and Humid weather** very likely at isolated places over Bihar and East Uttar Pradesh.
- ❖ **Squally wind with speed 45 kmph to 55 kmph gusting to 65 kmph** likely to prevail along and off Somalia coast, most parts of westcentral Arabian Sea & adjoining and some parts of eastcentral Arabian Sea, many parts of southwest Arabian Sea, adjoining parts of southeast Arabian Sea, along and off Yemen, Oman coasts and over Gulf of Mannar. **Squally weather with wind speed 40 - 50 kmph gusting to 60 kmph** likely to prevail along and off Konkan, Goa, Karnataka, Kerala, Sri Lanka, Tamil Nadu, Andhra Pradesh coasts, over southeast Arabian Sea, most parts of eastcentral Arabian Sea, many parts of southwest Arabian sea & westcentral Arabian Sea, over southern parts of northeast Arabian Sea, over Lakshadweep, Maldives, Comorin areas, over most parts of south Bay of Bengal, over central Bay of Bengal, and over Andaman Sea. **Squally weather with wind speed 45 - 55 kmph gusting to 65 kmph** likely to prevail along and off south Gujarat and north Konkan coasts, many parts of westcentral Bay of Bengal & adjoining parts of southwest & eastcentral Bay of Bengal. Fishermen are advised not to venture into these areas.



16 June (Day 2)

- ❖ **Heavy to Very Heavy Rainfall with isolated Extremely Heavy Rainfall** very likely at isolated places over Costal Karnataka and Konkan & Goa.
- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Assam & Meghalaya, Chhattisgarh, Gujarat State, Kerala & Mahe, Madhya Maharashtra, Nagaland, Manipur, Mizoram and Tripura, Odisha, South Interior Karnataka, Tamil Nadu Puducherry & Karaikal and Uttarakhand.
- ❖ **Heavy Rainfall** very likely at isolated places over Arunachal Pradesh, Bihar, Coastal Andhra Pradesh, East Madhya Pradesh, Jharkhand, North Interior Karnataka, Rajasthan, Vidarbha and West Bengal & Sikkim.
- ❖ **Thundersquall with wind speed reaching(50-60kmph)** very likely at isolated places over Bihar, Chhattisgarh, Kerala & Mahe, Lakshadweep, Madhya Pradesh and Rajasthan.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Assam & Meghalaya, Gujarat State, Haryana, Chandigarh & Delhi, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Jharkhand, Punjab, Tamil Nadu Puducherry & Karaikal, Uttar Pradesh, Uttarakhand and Vidarbha.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Gangetic West Bengal, Nagaland, Manipur, Mizoram and Tripura, Odisha and Telangana.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Andhra Pradesh and Arunachal Pradesh.
- ❖ **Strong Surface Winds** very likely at isolated places over Andhra Pradesh, Kerala & Mahe and Lakshadweep.

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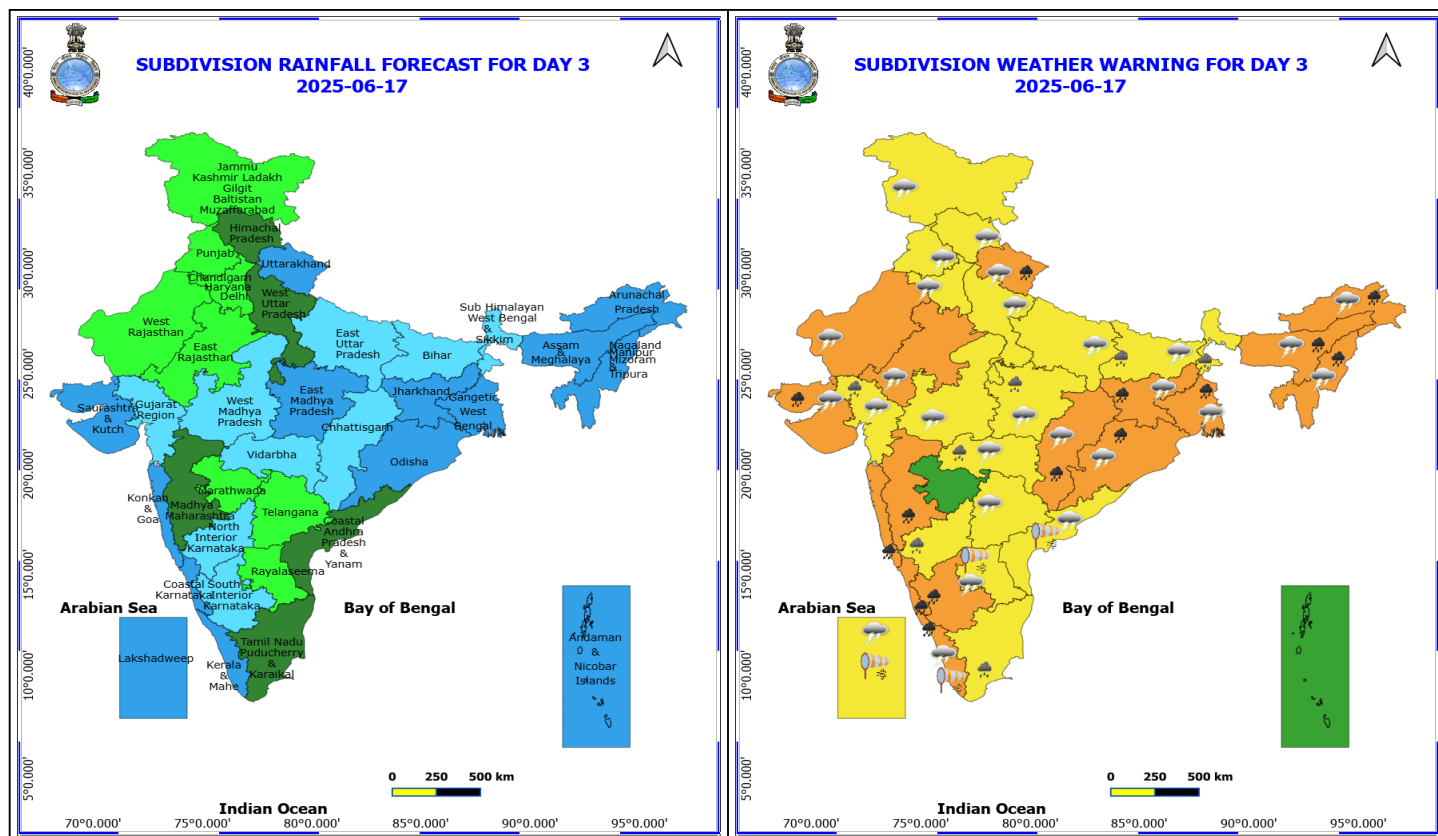
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❖ **Squally wind with speed 45 kmph to 55 kmph gusting to 65 kmph** likely to prevail along and off Somalia coast, most parts of westcentral Arabian Sea & adjoining, some parts of eastcentral Arabian Sea, many parts of southwest Arabian Sea, adjoining parts of southeast Arabian Sea, along and off Oman & adjoining Yemen coasts. **Squally weather with wind speed 40 - 50 kmph gusting to 60 kmph** likely to prevail along and off Gujarat, Konkan, Goa, Karnataka, Kerala, Sri Lanka, Tamil Nadu, Andhra Pradesh coasts, over southeast Arabian Sea, most parts of eastcentral Arabian Sea, many parts of southwest Arabian sea & westcentral Arabian Sea, over many parts of northeast Arabian Sea, over Lakshadweep, Maldives, Comorin areas, over Gulf of Mannar, over most parts of southwest and adjoining southeast Bay of Bengal, over central Bay of Bengal, and over north Andaman Sea. **Squally weather with wind speed 45 - 55 kmph gusting to 65 kmph** likely to prevail many parts of central Bay of Bengal & adjoining parts of southwest Bay of Bengal. Fishermen are advised not to venture into these areas.



17 June (Day 3)

- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Chhattisgarh, Coastal Karnataka, Gangetic West Bengal, Jharkhand, Kerala & Mahe, Konkan & Goa, Madhya Maharashtra, Nagaland, Manipur, Mizoram and Tripura, Odisha, Saurashtra & Kutch, South Interior Karnataka and Uttarakhand.
- ❖ **Heavy Rainfall** very likely at isolated places over Bihar, East Madhya Pradesh, Gujarat Region, North Interior Karnataka, Sub Himalayan West Bengal & Sikkim, Tamil Nadu Puducherry & Karaikal and Vidarbha.
- ❖ **Thundersquall with wind speed reaching(50-60kmph)** very likely at isolated places over East Madhya Pradesh and Rajasthan.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Assam & Meghalaya, Bihar, Haryana, Chandigarh & Delhi, Himachal Pradesh, Jharkhand, Kerala & Mahe, Lakshadweep, Nagaland, Manipur, Mizoram and Tripura, Punjab, Uttar Pradesh, Uttarakhand and West Madhya Pradesh.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Gangetic West Bengal, Gujarat State, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Odisha, Telangana and Vidarbha.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Andhra Pradesh, Arunachal Pradesh and Chhattisgarh.
- ❖ **Strong Surface Winds** very likely at isolated places over Andhra Pradesh, Kerala & Mahe and Lakshadweep.
- ❖ **Squally wind with speed 45 kmph to 55 kmph gusting to 65 kmph** likely to prevail along and off Somalia coast,

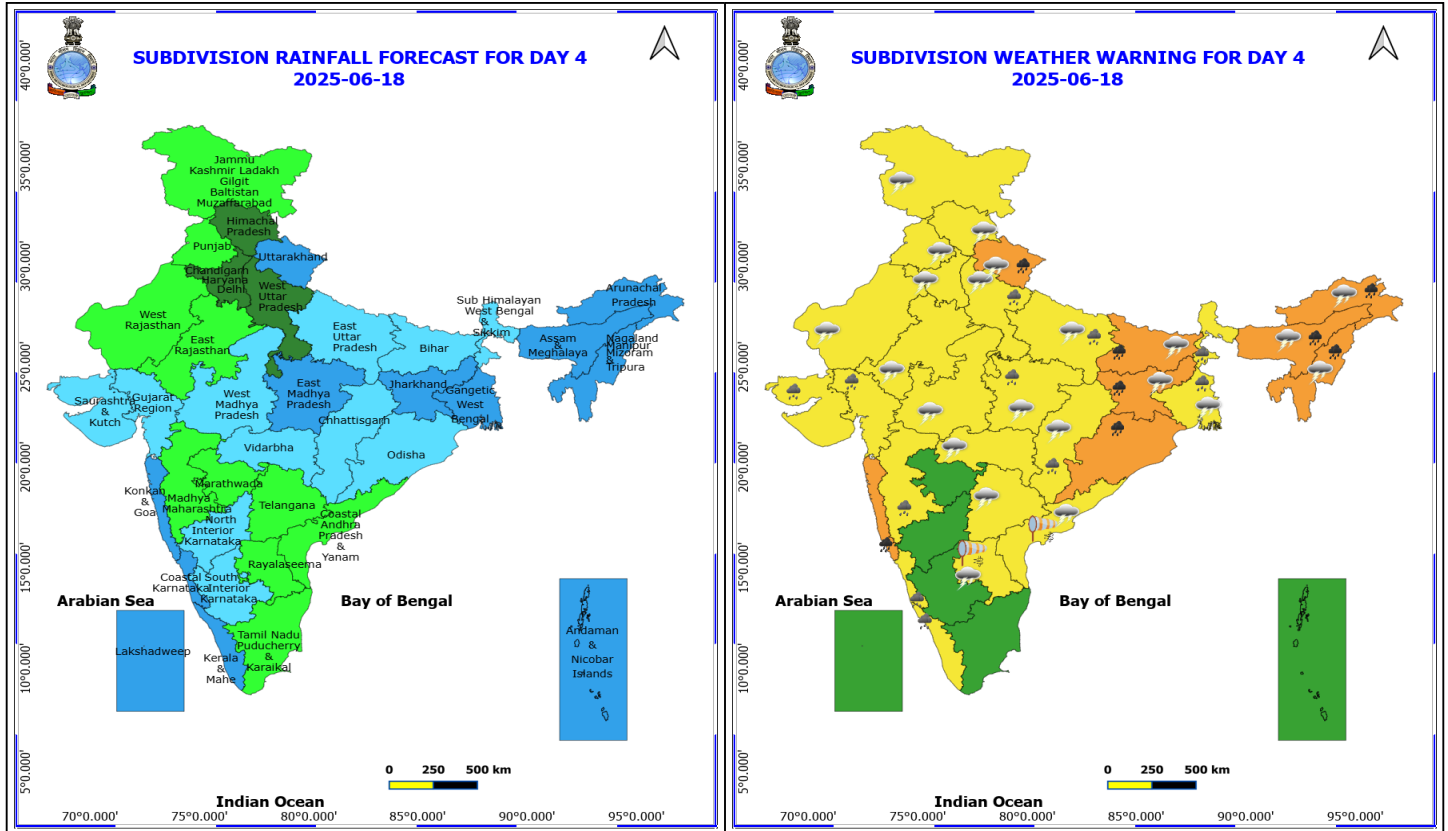
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most parts of westcentral Arabian Sea & adjoining, some parts of eastcentral Arabian Sea, many parts of southwest Arabian Sea, adjoining parts of southeast Arabian Sea, along and off Oman & adjoining Yemen coasts. **Squally weather with wind speed 40 - 50 kmph gusting to 60 kmph** likely to prevail along and off Gujarat, Konkan, Goa, Karnataka, Kerala, Sri Lanka, Tamil Nadu, Andhra Pradesh, Odisha, West Bengal coasts, over southeast Arabian Sea, most parts of eastcentral Arabian Sea, many parts of southwest Arabian sea & westcentral Arabian Sea, over many parts of northeast Arabian Sea, over Lakshadweep, Maldives, Comorin areas, over Gulf of Mannar, over most parts of southwest and adjoining southeast Bay of Bengal, over most parts of central and north Bay of Bengal, and over north Andaman Sea. **Squally weather with wind speed 45 - 55 kmph gusting to 65 kmph** likely to prevail many parts of westcentral Bay of Bengal, adjoining and some parts of eastcentral Bay of Bengal. Fishermen are advised not to venture into these areas.



18 June (Day 4)

- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Bihar, Jharkhand, Konkan & Goa, Nagaland, Manipur, Mizoram and Tripura, Odisha and Uttarakhand.
- ❖ **Heavy Rainfall** likely at isolated places over Chhattisgarh, Coastal Karnataka, East Madhya Pradesh, Gujarat State, Kerala & Mahe, Madhya Maharashtra, Uttar Pradesh and West Bengal & Sikkim.
- ❖ **Thundersquall with wind speed reaching(50-60kmph)** likely at isolated places over East Madhya Pradesh.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Assam & Meghalaya, Bihar, Haryana, Chandigarh & Delhi, Himachal Pradesh, Nagaland, Manipur, Mizoram and Tripura, Punjab, Rajasthan, Uttar Pradesh, Uttarakhand 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, Jharkhand, Telangana and Vidarbha.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Andhra Pradesh, Arunachal Pradesh and Chhattisgarh.
- ❖ **Strong Surface Winds** likely at isolated places over Andhra Pradesh.
- ❖ **Squally wind with speed 45 kmph to 55 kmph gusting to 65 kmph** likely to prevail along and off Somalia coast, most parts of westcentral Arabian Sea & adjoining, some parts of eastcentral Arabian Sea, many parts of southwest Arabian Sea, adjoining parts of southeast Arabian Sea, along and off Oman & adjoining Yemen coasts. **Squally weather with wind speed 40 - 50 kmph gusting to 60 kmph** likely to prevail along and off Gujarat, Konkan, Goa, Karnataka, Kerala, north Andhra Pradesh, Odisha, West Bengal coasts, over southeast Arabian Sea, most parts of eastcentral Arabian Sea, many parts of southwest Arabian sea & westcentral Arabian Sea, over most parts of

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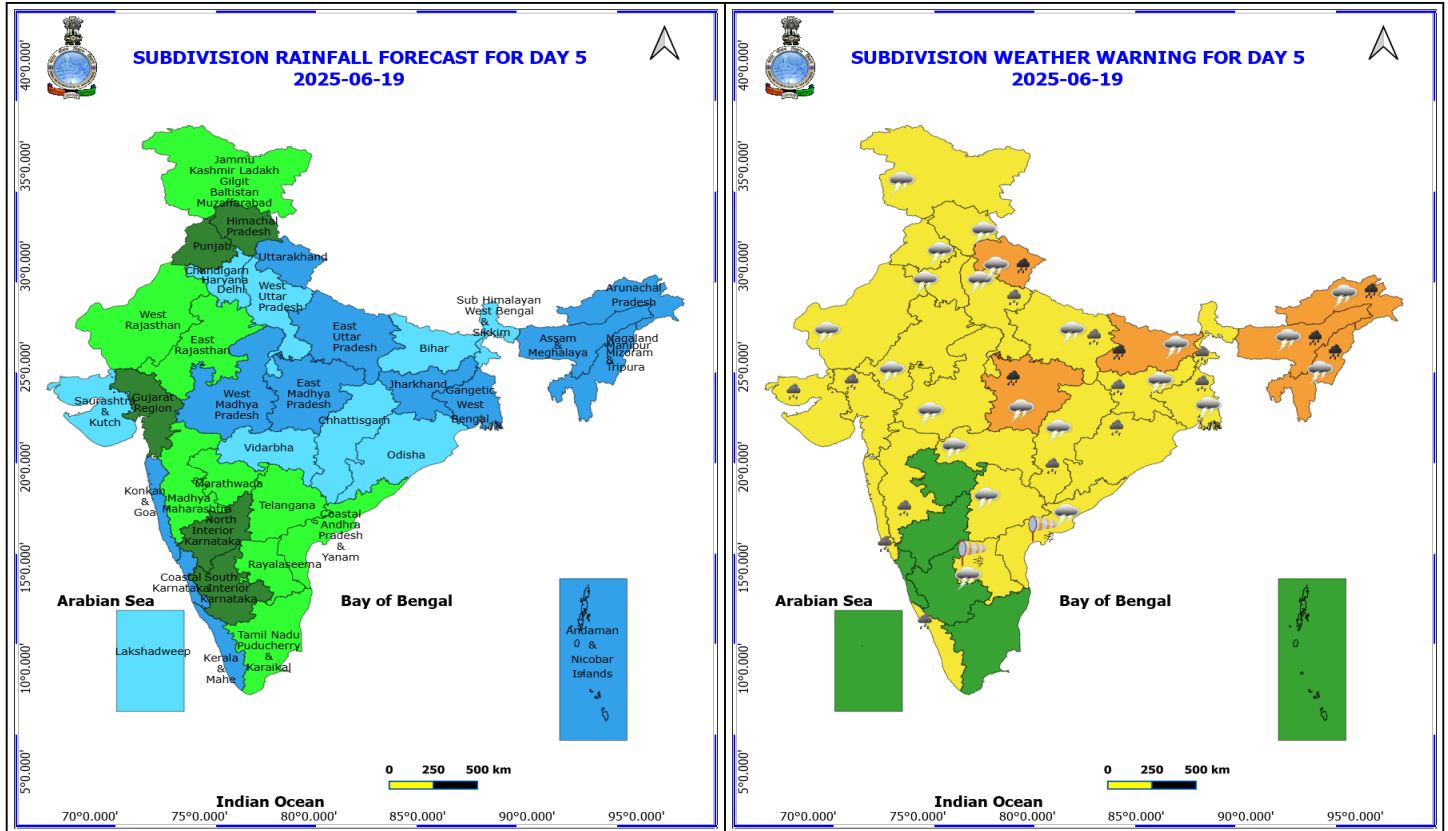
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northeast Arabian Sea, over Lakshadweep, Maldives, Comorin areas, over Gulf of Mannar, over some parts of southwest and few parts of southeast Bay of Bengal, over most parts of central and north Bay of Bengal, and over north Andaman Sea. **Squally weather with wind speed 45 - 55 kmph gusting to 65 kmph** likely to prevail over few northern parts of central Bay of Bengal. Fishermen are advised not to venture into these areas.



19 June (Day 5)

- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Bihar, East Madhya Pradesh, Nagaland, Manipur, Mizoram and Tripura and Uttarakhand.
- ❖ **Heavy Rainfall** likely at isolated places over Chhattisgarh, Gujarat State, Jharkhand, Kerala & Mahe, Konkan & Goa, Madhya Maharashtra, Odisha, Uttar Pradesh and West Bengal & Sikkim.
- ❖ **Thundersquall with wind speed reaching(50-60kmph)** likely at isolated places over East Madhya Pradesh.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Bihar, Haryana, Chandigarh & Delhi, Himachal Pradesh, Punjab, Rajasthan, Uttar Pradesh, Uttarakhand and West Madhya Pradesh.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Assam & Meghalaya, Gangetic West Bengal, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Jharkhand, Nagaland, Manipur, Mizoram and Tripura, Telangana and Vidarbha.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Andhra Pradesh, Arunachal Pradesh and Chhattisgarh.
- ❖ **Strong Surface Winds** likely at isolated places over Andhra Pradesh.

Squally wind with speed 45 kmph to 55 kmph gusting to 65 kmph likely to prevail along and off Somalia coast, most parts of westcentral Arabian Sea & adjoining, some parts of eastcentral & northwest Arabian Sea, many parts of southwest Arabian Sea, along and off Oman & adjoining Yemen coasts. **Squally weather with wind speed 40 - 50 kmph gusting to 60 kmph** likely to prevail along and off Gujarat, Konkan, Goa, Karnataka, Kerala, north Andhra Pradesh, Odisha, West Bengal coasts, over southeast Arabian Sea, most parts of eastcentral Arabian Sea, many

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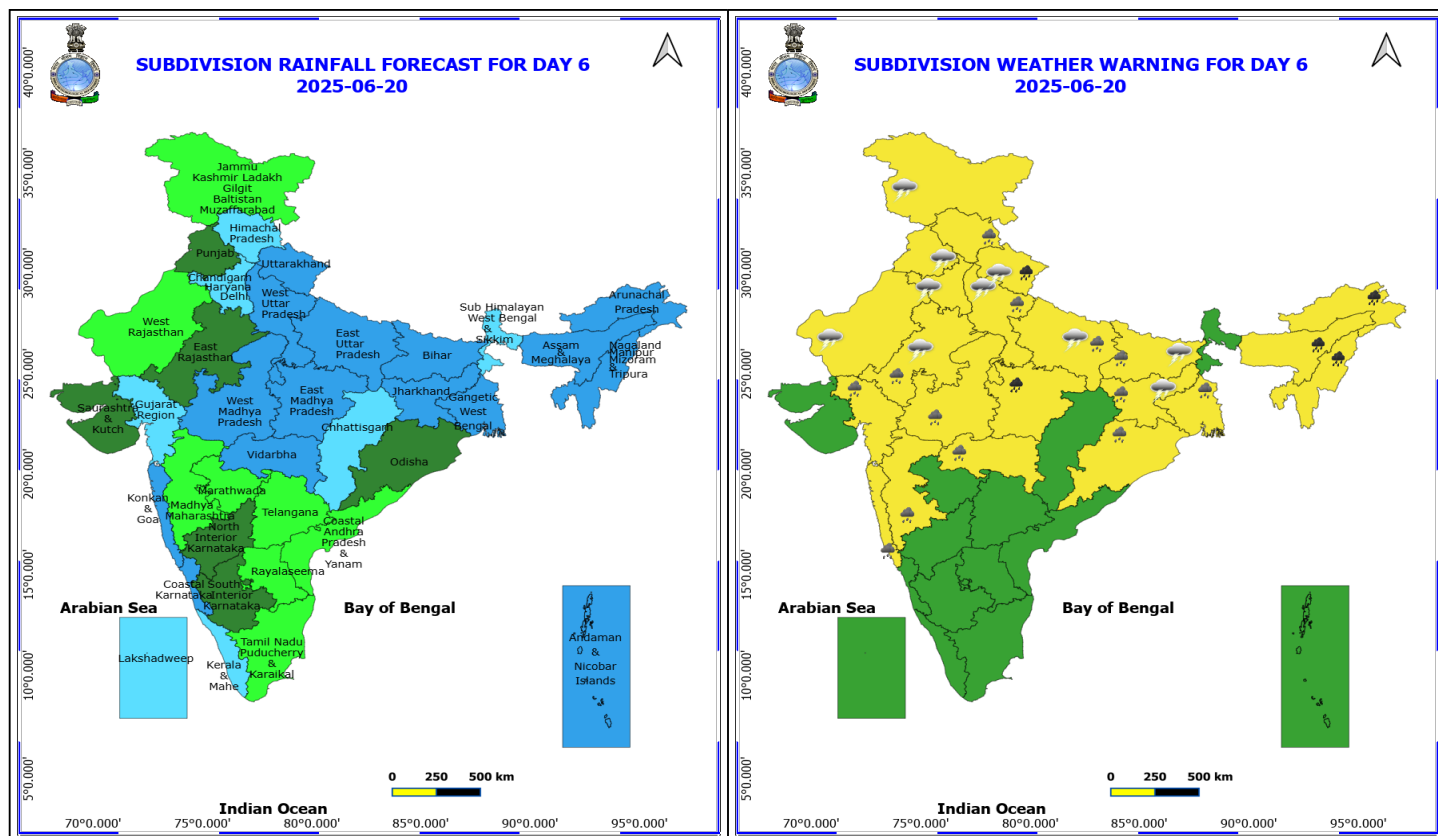
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parts of southwest Arabian sea & westcentral Arabian Sea, over most parts of northeast Arabian Sea, over Lakshadweep, Maldives, Comorin areas, over Gulf of Mannar, over some parts of southwest and few parts of southeast Bay of Bengal, over most parts of central and north Bay of Bengal, and over north Andaman Sea. **Squally weather with wind speed 45 - 55 kmph gusting to 65 kmph** likely to prevail over few northern parts of central Bay of Bengal. Fishermen are advised not to venture into these areas.



20 June (Day 6)

- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, East Madhya Pradesh, Nagaland, Manipur, Mizoram and Tripura and Uttarakhand.
- ❖ **Heavy Rainfall** likely at isolated places over Bihar, East Rajasthan, Gangetic West Bengal, Gujarat Region, Himachal Pradesh, Jharkhand, Konkan & Goa, Madhya Maharashtra, Odisha, Uttar Pradesh, Vidarbha and West Madhya Pradesh.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Bihar, Haryana, Chandigarh & Delhi, Punjab, Rajasthan, Uttar Pradesh and Uttarakhand.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and Jharkhand.

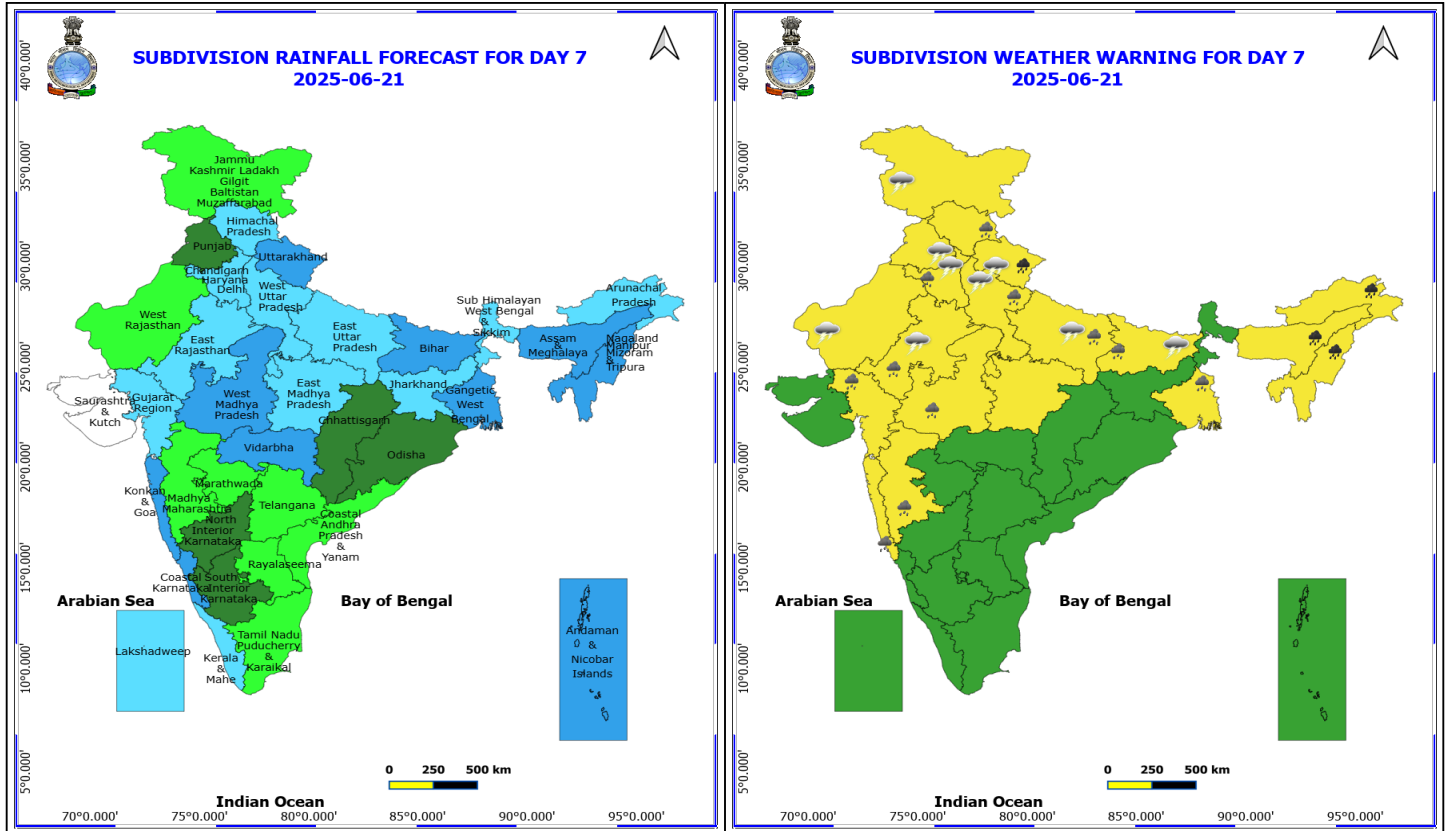
No Fishermen Warning

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21 June (Day 7)

- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram and Tripura and Uttarakhand.
- ❖ **Heavy Rainfall** likely at isolated places over Bihar, East Rajasthan, Gangetic West Bengal, Gujarat Region, Haryana, Chandigarh & Delhi, Himachal Pradesh, Konkan & Goa, Madhya Maharashtra, Uttar Pradesh and West Madhya Pradesh.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Bihar, Haryana, Chandigarh & Delhi, Punjab, Rajasthan, Uttar Pradesh and Uttarakhand.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad.

No Fishermen Warning



Table-1

7 Days Rainfall Forecast

S.No.	Subdivision	15-Jun	16-Jun	17-Jun	18-Jun	19-Jun	20-Jun	21-Jun
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	FWS	FWS	WS	WS	WS	WS	WS
2	ARUNACHAL PRADESH	FWS	FWS	WS	WS	WS	WS	FWS
3	ASSAM & MEHGHALAYA	FWS	WS	WS	WS	WS	WS	WS
4	N. M. M. & T.	FWS	WS	WS	WS	WS	WS	WS
5	S.H. WEST BENGAL & SIKKIM	WS	WS	FWS	FWS	FWS	FWS	FWS
6	GANGETIC WEST BENGAL	FWS	WS	WS	WS	WS	WS	WS
7	ODISHA	FWS	WS	WS	FWS	FWS	SCT	SCT
8	JHARKHAND	FWS	FWS	WS	WS	WS	WS	FWS
9	BIHAR	SCT	SCT	FWS	FWS	FWS	WS	WS
10	EAST UTTAR PRADESH	ISOL	SCT	FWS	FWS	WS	WS	FWS
11	WEST UTTAR PRADESH	SCT	SCT	SCT	SCT	FWS	WS	FWS
12	UTTARAKHAND	FWS	WS	WS	WS	WS	WS	WS
13	HARYANA, CHD & DELHI	SCT	SCT	ISOL	SCT	FWS	FWS	FWS
14	PUNJAB	ISOL	SCT	ISOL	ISOL	SCT	SCT	SCT
15	HIMACHAL PRADESH	SCT	SCT	SCT	SCT	SCT	FWS	FWS
16	JAMMU AND KASHMIR AND LADAKH	SCT	SCT	ISOL	ISOL	ISOL	ISOL	ISOL
17	WEST RAJASTHAN	SCT	SCT	ISOL	ISOL	ISOL	ISOL	ISOL
18	EAST RAJASTHAN	SCT	SCT	ISOL	ISOL	ISOL	SCT	FWS
19	WEST MADHYA PRADESH	FWS	FWS	FWS	FWS	WS	WS	WS
20	EAST MADHYA PRADESH	FWS	WS	WS	WS	WS	WS	FWS
21	GUJRAT REGION	WS	WS	FWS	FWS	SCT	FWS	FWS
22	SAURASHTRA & KUTCH	WS	WS	WS	FWS	FWS	SCT	DRY
23	KONKAN & GOA	WS	WS	WS	WS	WS	WS	WS
24	MADHYA MAHARASHTRA	SCT	SCT	SCT	ISOL	ISOL	ISOL	ISOL
25	MARATHWADA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
26	VIDARBHA	ISOL	SCT	FWS	FWS	FWS	WS	WS
27	CHATTISGARH	SCT	FWS	FWS	FWS	FWS	FWS	SCT
28	COASTAL ANDHRA PRADESH	SCT	SCT	SCT	ISOL	ISOL	ISOL	ISOL
29	TELANGANA	FWS	SCT	ISOL	ISOL	ISOL	ISOL	ISOL
30	RAYALASEEMA	SCT	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
31	TAMILNADU & PUDUCHERRY	SCT	SCT	SCT	ISOL	ISOL	ISOL	ISOL
32	COSTAL KARNATAKA	WS	WS	WS	WS	WS	WS	WS
33	NORTH INTERIOR KARNATAKA	WS	WS	FWS	FWS	SCT	SCT	SCT
34	SOUTH INTERIOR KARNATAKA	WS	WS	FWS	FWS	SCT	SCT	SCT
35	KERALA	WS	WS	WS	WS	WS	FWS	FWS
36	LAKSHDWEEP	WS	WS	WS	WS	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 2025-06-15

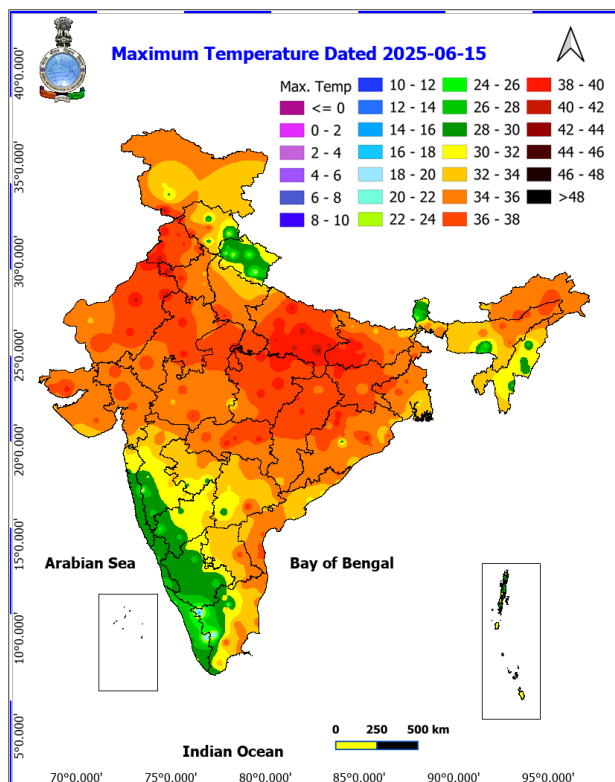


Fig. 2: Departure of Maximum Temp. Dated 2025-06-15

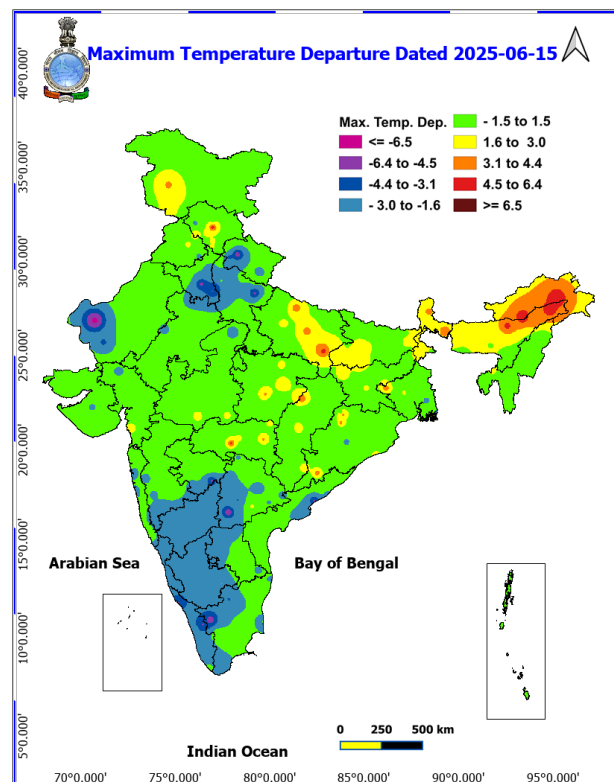


Fig. 3: Minimum Temperatures Dated 2025-06-15

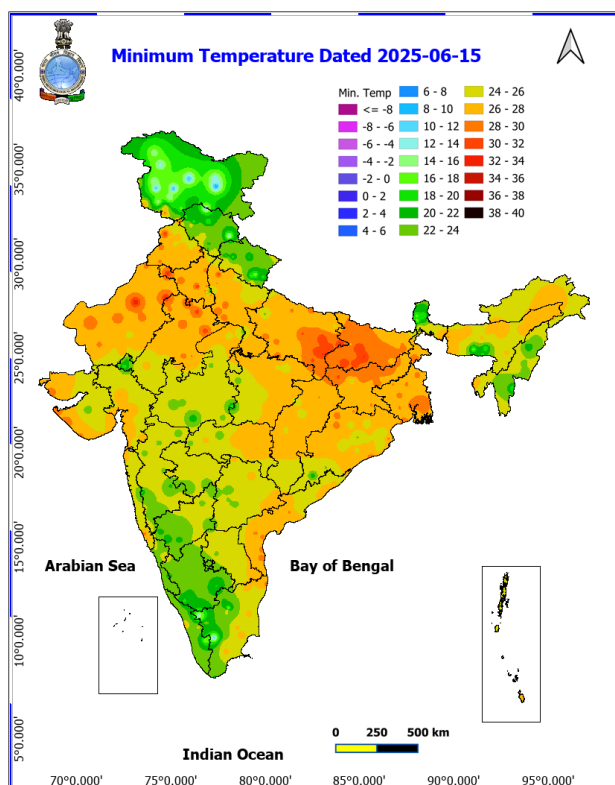
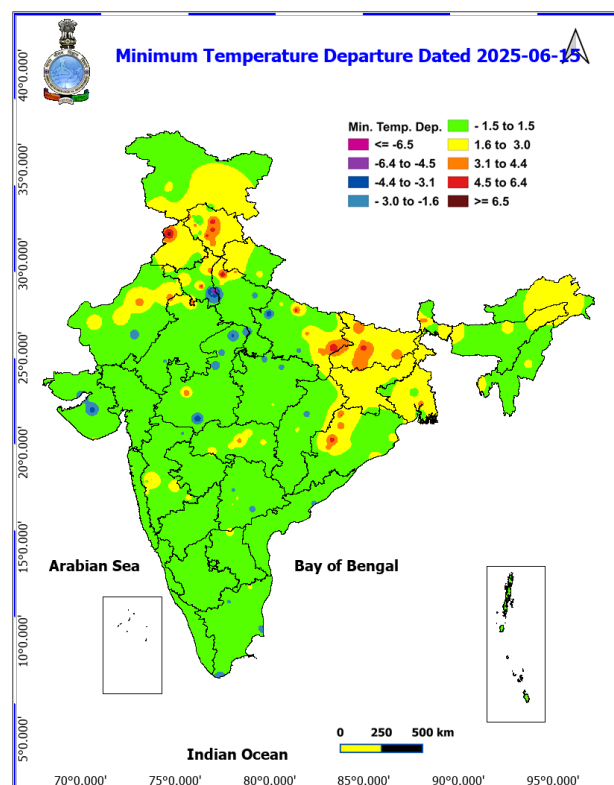
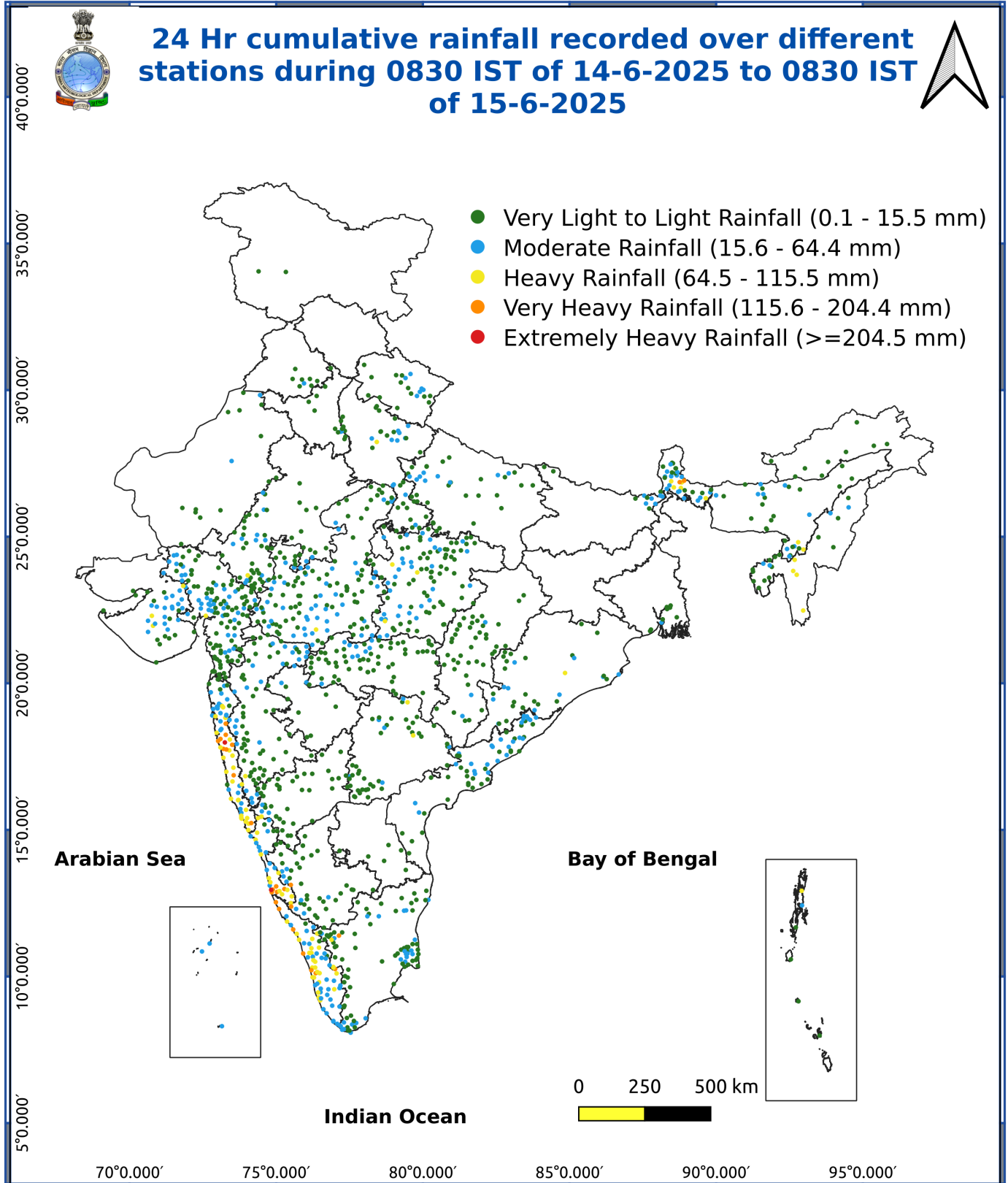


Fig. 4: Departure of Minimum Temp. Dated 2025-06-15





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Extremely heavy rainfall (>20 cm/24 hours) likely at isolated places over Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe on 15th, Coastal Karnataka, Konkan & Goa on 15th & 16th June.

Very heavy rainfall on Sub-Himalayan West Bengal & Sikkim on 15th, Tamil Nadu, Puducherry & Karaikal on 16th. Kerala & Mahe, Karnataka, Madhya Maharashtra, Saurashtra & Kutch during 15th-17th Konkan & Goa during 15th-18th, Gujarat Region on 15th & 16th June, Chhattisgarh, Gangetic West Bengal on 17th, Jharkhand, Odisha on 17th & 18th and over Bihar on 18th & 19th, East Madhya Pradesh on 19th & 20th, Uttarakhand, Assam & Meghalaya during 16th-21st Arunachal Pradesh during 17th-21st, Nagaland, Manipur, Mizoram & Tripura during next 7 days.

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.

Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph) at isolated places over Uttarakhand, Punjab, Haryana, Jharkhand on 15th and during Rajasthan during 15th-17th, West Madhya Pradesh, Chhattisgarh, Bihar on 15th & 16th, East Madhya Pradesh during 16th-19th June.

Dust storm (wind speed reaching 50-60 kmph gusting to 70 kmph) very likely at isolated places over West Rajasthan on 15th June.

Hailstorm also very likely at isolated places over north Haryana on 15th June.

Strong surface winds (speed reaching 40-60 kmph) over Kerala & Mahe, Lakshadweep during 15th-17th, Rayalaseema and Coastal Andhra Pradesh & Yanam during 15th-19th June.

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Impact expected:

Breaking of tree branches, uprooting of large avenue trees. Large dead limbs blown from trees. Damage to Standing crops.

Minor to Major damage to banana and papaya trees.

Minor to major damage to power and communication lines due to breaking of branches.

Strong wind/hail may damage plantation, horticulture and standing crops.

Partial damage to vulnerable structures due to strong winds.

Minor damage to kutcha houses/walls and huts.

Loose objects may fly.

Action suggested:

People are advised to keep a watch on the weather for worsening conditions and be ready to move to safer places accordingly.

Stay indoors, close windows & doors and avoid travel if possible.

Take safe shelters; do not take shelter under trees.

Do not lie on concrete floors and do not lean against concrete walls.

Unplug electrical/ electronic appliances.

Immediately get out of water bodies.

Keep away from all the objects that conduct electricity.

Agromet advisories for various parts of the country

In **Kerala**, ensure proper drainage facilities in rice nurseries, transplanted rice fields, coconut and banana plantations to prevent water logging. Postpone land preparation of main field for rice transplanting. Undertake propping in banana to protect the plants from heavy rains.

In **Tamil Nadu**, postpone nursery sowing / transplanting of rice and sowing of sorghum and cumbu. Ensure proper drainage facilities in rice nurseries, cotton, sugarcane, groundnut and transplanted rice fields, coconut and banana plantations to prevent water logging. Provide staking or support to tender plants of cotton, young plants of sugarcane and fruit-bearing plants of banana to avoid lodging. Avoid de-topping and de-trashing in sugarcane during continuous rainfall.

In **Coastal Karnataka**, postpone nursery sowing of rice. Ensure proper drainage facilities in rice nurseries, banana, coconut and arecanut plantations to prevent water logging. In **South Interior Karnataka**, postpone nursery sowing of rice and sowing of pigeon pea, maize and onion. Cover young seedlings of rice with plastic sheets or agro-shade nets to protect them from heavy rains. Provide adequate drainage to remove excess water from rice nurseries, coffee, cardamom, coconut and arecanut plantations to prevent water logging. Provide support to sugarcane and banana to

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prevent lodging. In **North Interior Karnataka**, postpone sowing of green gram, cotton, maize, groundnut, rice, pigeon pea, soybean and onion. Drain out excess water from the crops which are at seedling stage to prevent water logging.

In **Konkan & Goa**, postpone nursery sowing of rice. In **Konkan & Goa** and **ghat areas of Madhya Maharashtra**, make arrangement to drain out excess water from rice nurseries to prevent water logging.

In **Sub-Himalayan West Bengal**, maintain proper drainage channels in rice nurseries and fields of jute and ginger to avoid water stagnation. Avoid sowing of rice in low lands to avoid losses due to heavy rainfall.

In **Bhabar and Tarai Zone of Uttarakhand**, harvest matured potato, vegetables (tomato, French beans etc.) and fruits (peach and plum). Postpone sowing of pigeon pea, millets and soybean and ensure proper drainage in already sown crops.

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 water logging.

In **Meghalaya**, ensure proper drainage in the fields of maize, ginger, French bean, cowpea, vegetables and around rice nurseries to prevent water logging. 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 **Mizoram**, ensure proper drainage facilities in maize and low land pre-*kharif* rice to avoid water stagnation. Undertake propping in five-month-old sugarcane crop to avoid lodging.

In **Arunachal Pradesh**, carry out harvesting of soybean and vegetables such as chilli and okra and keep the produce at a safer place. Ensure proper drainage in rice nurseries, kiwi and apple orchards to avoid water logging.

Livestock / Fishery

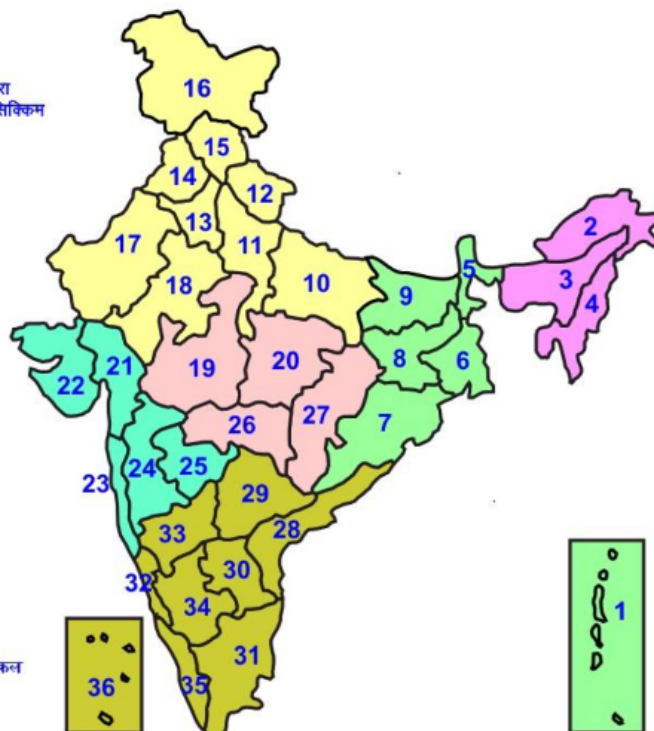
Keep the animals inside the shed during heavy rainfall and provide them balanced feed.

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.

LEGENDS

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



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

SPATIAL DISTRIBUTION (% of Stations reporting)


















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

Subdivision Colour

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

Probabilistic Forecast

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

- | | | | |
|--|---|--|--|
|  Heavy Rain |  Very Heavy Rain |  Extremely Heavy Rain |  Heavy Snow |
|  Thunderstorm & Lightning |  Hailstorm |  Dust Storm |  Dust Raising Winds |
|  Strong surface winds |  Heat Wave |  Hot Day |  Warm Night |
|  Cold Wave |  Cold Day |  Ground Frost |  FOG Fog |
|  Hot & Humid | | | |

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LEGENDS

WARNING

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

Probabilistic Forecast

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



Heavy: 64.5 to 115.5 mm/cm *
Very Heavy: 115.6 to 204.4 mm/cm *
Extremely Heavy: > 204.4 mm/cm *



When maximum temperature of a station reaches $\geq 40^{\circ}\text{C}$ for plains and $\geq 30^{\circ}\text{C}$ for hilly regions
(a) Based on Departure from normal

Heat Wave: Maximum Temperature Departure from normal 4.5°C to 6.4°C .
Severe Heat Wave: Maximum Temperature Departure from normal $\geq 6.5^{\circ}\text{C}$

(b). Based on Actual maximum temperature

Heat Wave: When actual maximum temperature $\geq 45^{\circ}\text{C}$.
Severe Heat Wave: When actual maximum temperature $\geq 47^{\circ}\text{C}$

(c). Criteria for heat wave for coastal stations

When maximum temperature departure is $> 4.5^{\circ}\text{C}$ from normal. Heat Wave may be described provided maximum temperature $\geq 37^{\circ}\text{C}$



When maximum temperature remains 40°C

Warm Night: When minimum temperature departure 4.5°C to 6.4°C .
Severe Warm Night: When minimum temperature departure $> 6.4^{\circ}\text{C}$.



When minimum temperature of a station $\leq 10^{\circ}\text{C}$ for plains and $\leq 0^{\circ}\text{C}$ for hilly regions.

(a). Based on departure

Cold Wave: Minimum Temperature Departure from normal -4.5°C to -6.4°C .
Severe Cold Wave: Minimum Temperature Departure from normal $\leq -6.5^{\circ}\text{C}$

(b) Based on actual Minimum Temperature (for Plains only)

Cold Wave: When Minimum Temperature is $\leq 4.0^{\circ}\text{C}$
Severe Cold Wave: When Minimum Temperature is $\leq 2.0^{\circ}\text{C}$

(c) For Coastal Stations

When Minimum Temperature departure is $\leq -4.5^{\circ}\text{C}$ & actual Minimum Temperature is $\leq 15^{\circ}\text{C}$



When minimum temperature of a station $\leq 10^{\circ}\text{C}$ for plains and $\leq 0^{\circ}\text{C}$ for hilly regions
Based on departure

Cold Day: Maximum Temperature Departure from normal -4.5°C to -6.4°C .
Severe Cold Day: Maximum Temperature Departure from normal $\leq -6.5^{\circ}\text{C}$



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

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



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



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



Ice deposits on ground

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



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

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



Effect of various waves in the sea over specific area

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



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

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

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