



2025-06-14

Time of Issue: 13:53:00 hours IST
(Mid-Day)

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 Coastal Andhra Pradesh & Yanam, Rayalaseema, Telangana, Karnataka during 13th-17th; Kerala & Mahe, Tamil Nadu, Puducherry & Karaikal on 13th & 17th June.

Isolated **heavy rainfall** likely over Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe Coastal & South Interior Karnataka on 18th; Lakshadweep on 14th & 15th; Coastal Andhra Pradesh & Yanam, Telangana during 14th-17th; Rayalaseema on 14th; North Interior Karnataka on 16th & 17th June with **very heavy rainfall** over Tamil Nadu, Puducherry & Karaikal on 16th & 17th; Kerala & Mahe on 17th; Coastal Karnataka on 16th & 17th; South Interior Karnataka during 15th-17th; North Interior Karnataka on 14th & 15th with **Extremely heavy rainfall (>20 cm/24 hours) likely at isolated places over Tamil Nadu, Puducherry & Karaikal, Coastal Karnataka on 14th & 15th; South Interior Karnataka on 14th June; Kerala & Mahe during 14th-16th June.**

Strong surface winds (speed reaching 40-60 kmph) very likely over Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe, Coastal Andhra Pradesh & Yanam, Rayalaseema, Karnataka during 14th-16th 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 14th -16th; Marathwada on 15th June with **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** very likely at isolated places over Konkan & Goa, Marathwada and Madhya Maharashtra on 14th June.

Isolated **heavy rainfall** likely over Marathwada on 14th; Konkan & Goa during 18th-20th; Madhya Maharashtra during 17th-20th; Gujarat state on 14th & during 17th-19th June with **very heavy rainfall** at isolated places over Konkan & Goa on 16th & 17th; Madhya Maharashtra during 14th-16th; Gujarat state on 15th & 16th June with **Extremely heavy rainfall (>20 cm/24 hours) likely at isolated places over Konkan & Goa during 14th -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 Madhya Pradesh during 14th-17th; Vidarbha, Chhattisgarh during 15th-17th; Andaman & Nicobar Islands, West Bengal & Sikkim during 13th-15th; Bihar, Jharkhand, Odisha during 13th-17th June with **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** very likely at isolated places over West Madhya Pradesh during 13th-15th; Vidarbha on 13th & 14th; Chhattisgarh on 14th; Bihar on 15th June.

Isolated **heavy rainfall** also likely over West Madhya Pradesh on 15th; East Madhya Pradesh during 16th-18th; Vidarbha during 17th-20th; Chhattisgarh on 16th & 17th; Sub-Himalayan West Bengal & Sikkim on 14th & 15th & during 18th-20th; Gangetic West Bengal during 16th-20th; Bihar on 18th & 19th; Jharkhand on 16th, 19th & 20th; Odisha on 14th, 15th, 18th June with **very heavy rainfall** over West Madhya Pradesh on 20th; East Madhya Pradesh on 19th & 20th; Chhattisgarh during 18th-20th; Jharkhand on 17th & 18th; Odisha on 16th & 17th June.

Northwest India:

Light/moderate rainfall at some/isolated places accompanied with **thunderstorm, lightning & gusty winds speed reaching 40-50 kmph** likely over Himachal Pradesh, Uttarakhand, Punjab, Haryana Chandigarh, Uttar

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Pradesh during 14th-20th; Rajasthan during 16th-18th June; with **gusty winds speed reaching 30-40 kmph** over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 14th-20th June with **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** over East Rajasthan on 19th & 20th June.

Isolated **heavy rainfall** likely over Uttarakhand on 14th & 15th; Himachal Pradesh & Uttar Pradesh on 19th & 20th; East Rajasthan on 15th & 20th June with **very heavy rainfall** on Uttarakhand during 16th-19th June.

Dust storm (wind speed reaching 50-60 kmph gusting to 70 kmph) very likely at isolated places over Rajasthan on 14th & 15th June.

Northeast India:

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, Nagaland, Manipur, Mizoram & Tripura during 14th-20th June with **very heavy rainfall** over Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura during 17th-20th; Assam & Meghalaya during 16th-20th June.

Maximum Temperature Forecast:

No significant change in maximum temperatures likely over Northwest, Central and East India during next 24 hours and gradual fall by 2-5°C thereafter during subsequent 5 days.

No significant change in maximum temperatures likely over rest parts of the country.

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

Heat wave conditions very likely in isolated pockets over Jammu-Kashmir, Himachal Pradesh, Punjab, Haryana Chandigarh & Delhi, East Uttar Pradesh and West Rajasthan on 14th June.

Hot & humid weather is likely to prevail over Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura on 14th; Bihar on 14th & 15th June.

Warm night conditions very likely in isolated pockets over Punjab, Haryana Chandigarh & Delhi on 14th & 15th June.

Main Weather Observations:

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

❖ **Significant rainfall recorded (in cm)** (from 0830 hours IST of yesterday to 0830 hours IST of today): **Konkan & Goa**: Rajapur (dist Ratnagiri) 25; Pernem (dist North Goa) 14; Kankavli (dist Sindhudurg) 10; Devgad (dist Sindhudurg), Mapusa (dist North Goa) 9 Each; Rameshwar ARG (dist Sindhudurg), Lanja (dist Ratnagiri) 8 Each; Panjim (dist North Goa) 7; Mangaon (dist Raigad), Sawantwadi (dist Sindhudurg), Wakwali ARG (dist Ratnagiri) 6 Each; **South Interior Karnataka**: Agumbe Emo (dist Shivamogga) 11; **Arunachal Pradesh**: Tezu AWS (dist Lohit) 10; Tezu (dist Lohit) 6; **Kerala & Mahe**: Thennala AWS (dist Malappuram) 10; Kollam Rly (dist Kollam), Kunnankulam (dist Thrissur) 9 Each; Mavelikara (dist Alapuzha), Vilangankunnu ARG (dist Thrissur), Laha AWS (dist Pathanamthitta) 8 Each; Tellichery (dist Cannur), Kochi IAF (dist Ernakulam), Vadakara (dist Kozhikode), Aryankavu (dist Kollam), Vellanikkara (dist Thrissur), Trivandrum AP (dist Thiruvananthapuram), Punalur (dist Kollam), Cherthala (dist Alapuzha), Mahe (dist Mahe), Mattanchery AWS (dist Ernakulam), Choondy AWS (dist Ernakulam), Kalamassery AWS (dist Ernakulam), Aluva AWS (dist Ernakulam), Munakkal AWS (dist Thrissur), Neyyattinkara (dist Thiruvananthapuram), Ernakulam South (dist Ernakulam), Alwaye PWD (dist Ernakulam) 7 Each; Enamakkal (dist Thrissur), Vadakkancherry (dist Thrissur), Thiruvananthapuram (dist Thiruvananthapuram), Karipur Ap. (dist Malappuram), Palluruthy ARG (dist Ernakulam), Kunnathanam AWS (dist Pathanamthitta) 6 Each; **Coastal Karnataka**: Mangaluru AP (dist Dakshina Kannada) 9; Udupi (dist Udupi) 8; Bhatkal (dist Uttara Kannada), Panambur (dist Dakshina Kannada), Uppinangadi (dist Dakshina Kannada), Gersoppa (dist Uttara Kannada) 7 Each; Mani (dist Dakshina Kannada), Siddapura (dist Udupi), Gokarna (dist Uttara Kannada), Kundapur (dist Udupi), Belthangadi (dist Dakshina Kannada) 6 Each; **Andaman & Nicobar Islands**: Maya Bandar (dist North & Middle Andaman) 9; Port Blair (dist South Andaman), Long Island (dist North & Middle Andaman) 6 Each; **Coastal Andhra Pradesh & Yanam**: Palakoderu (dist West Godavari) 8; **West Uttar Pradesh**: Dhampur (dist Bijnor) 8; **Tamil Nadu, Puducherry & Karaikal**: Avalanche (dist Nilgiris), Taluk Office Pandalur (dist Nilgiris) 7 Each; Worth Estate Cher (dist Nilgiris) 6; **North Interior Karnataka**: B Bagewadi (dist Vijayapura) 7; **Uttarakhand**: Nainital (dist Nainital) 9; **Odisha**: Lamataput (dist Koraput) 6; **Telangana**: Dubbak (dist Siddipet) 6; **Madhya Maharashtra**: Chinchwad - ARG (dist Pune), Pune (dist Pune) 6 Each; **West Madhya Pradesh**: Sardarpur (dist Dhar) 6.

❖ **Heavy Rainfall observed** (from 0830 hours IST of yesterday to 0830 hours IST of today): **Extremely heavy rain** at isolated places over Konkan & Goa. **Heavy to very heavy rain** at isolated places over Konkan & Goa. **Heavy rain** at a few places over Andaman & Nicobar Islands and at isolated places over Arunachal Pradesh, Himachal Pradesh, West Uttar Pradesh, Coastal Andhra Pradesh & Yanam, Tamil Nadu, Puducherry & Karaikal, Coastal Karnataka, North Interior Karnataka, South Interior Karnataka and Kerala & Mahe.

❖ **Heat wave conditions** prevailed at many places with **severe heat wave conditions** at isolated places over West Rajasthan; **Heat wave conditions** at isolated places over East Rajasthan, Jammu division, Himachal Pradesh, Punjab, Haryana and Madhya Pradesh.

❖ **Warm night to severe warm night conditions** prevailed at isolated places over West Rajasthan.

❖ **Hailstorm** occurred at isolated places over Vidarbha (Buldhana).

❖ **Minimum Temperature Departures (as on 14-06-2025): markedly above normal (> 5.1°C)** at few places over Assam & Meghalaya, Bihar, East Madhya Pradesh and Gujarat Region; at isolated places over Sub Himalayan West Bengal & Sikkim, Odisha, East Uttar Pradesh, West Uttar Pradesh, Himachal Pradesh, Jammu-Kashmir/Ladakh-Gilgit-Baltistan-Muzaffarabad, West Rajasthan, West Madhya Pradesh and Saurashtra & Kutch. **appreciably above**

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normal(3.1°C to 5.0°C) at few places over Nagaland, Manipur, Mizoram & Tripura and Gangetic West Bengal; at isolated places over Jharkhand, Haryana-Chandigarh-Delhi, Punjab, East Rajasthan and Tamil Nadu, Puducherry & Karaikal. **above normal(1.6°C to 3.0°C)** at most places over Arunachal Pradesh; at few places over Chhattisgarh; at isolated places over Andaman & Nicobar Islands, Uttarakhand, Konkan & Goa, Madhya Maharashtra, Coastal Andhra Pradesh & Yanam and Rayalaseema. **near normal(-1.5°C to 1.5°C)** at many places over South Interior Karnataka; at most places over Marathwada, Vidarbha, Telangana, Coastal Karnataka, North Interior Karnataka and Kerala & Mahe; at few places over Lakshadweep. **The lowest minimum temperature** of 19.0°C is reported at MATHERAN (MAHARASHTRA) over the Plains of India.

❖ **Maximum Temperature Departures (as on 13-06-2025): markedly above normal(> 5.1°C)** at many places over Assam & Meghalaya and West Rajasthan; at most places over Arunachal Pradesh; at few places over Sub Himalayan West Bengal & Sikkim; at isolated places over Odisha, West Uttar Pradesh, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, East Rajasthan, West Madhya Pradesh and East Madhya Pradesh. **appreciably above normal(3.1°C to 5.0°C)** at many places over Bihar; at most places over Nagaland, Manipur, Mizoram & Tripura; at few places over East Uttar Pradesh and Punjab; at isolated places over Haryana-Chandigarh-Delhi, Chhattisgarh and Tamil Nadu, Puducherry & Karaikal. **above normal(1.6°C to 3.0°C)** at few places over Gangetic West Bengal and Gujarat Region; at isolated places over Saurashtra & Kutch and Vidarbha. **near normal(-1.5°C to 1.5°C)** at many places over Jharkhand, Konkan & Goa, Coastal Andhra Pradesh & Yanam and Lakshadweep; at few places over Andaman & Nicobar Islands, Madhya Maharashtra, Telangana, South Interior Karnataka and Kerala & Mahe; at isolated places over Uttarakhand, Rayalaseema and North Interior Karnataka. **The highest maximum temperature** of 49.4°C was reported at SRIGANGANAGAR (RAJASTHAN).

Meteorological Analysis (Based on 0830 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 2 days; over some parts of West Bengal, Jharkhand and Bihar during subsequent 3 days.

The **upper air cyclonic circulation** over Northwest Rajasthan now lies over West Rajasthan & adjoining Pakistan and extends upto 1.5 km above mean sea level.

The **trough** now runs from above **upper air cyclonic circulation** over West Rajasthan & adjoining Pakistan to north Madhya Maharashtra across Gujarat Region at 1.5 km above mean sea level.

The **upper air cyclonic circulation** over North Interior Karnataka and adjoining Telangana & Rayalaseema now lies over Marathwada & neighbourhood and extends upto 5.8 km above mean sea level tilting southwestwards with height.

The **trough** now runs from the **upper air cyclonic circulation** over Marathwada & neighbourhood to coastal Andhra Pradesh across Telangana between 3.1 & 5.8 km above mean sea level.

The **Western Disturbance** as a trough in middle tropospheric westerlies with its axis at 5.8 km above mean sea level now runs roughly along Long. 70°E to the north of Lat. 26°N.

A cyclonic circulation lies over south Bangladesh & adjoining north Bay of Bengal at 3.1 km above mean sea level.

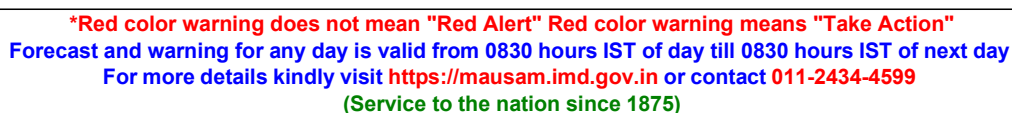
A trough runs from above cyclonic circulation lies over south Bangladesh & adjoining north Bay of Bengal to south Odisha at 3.1 km above mean sea level.

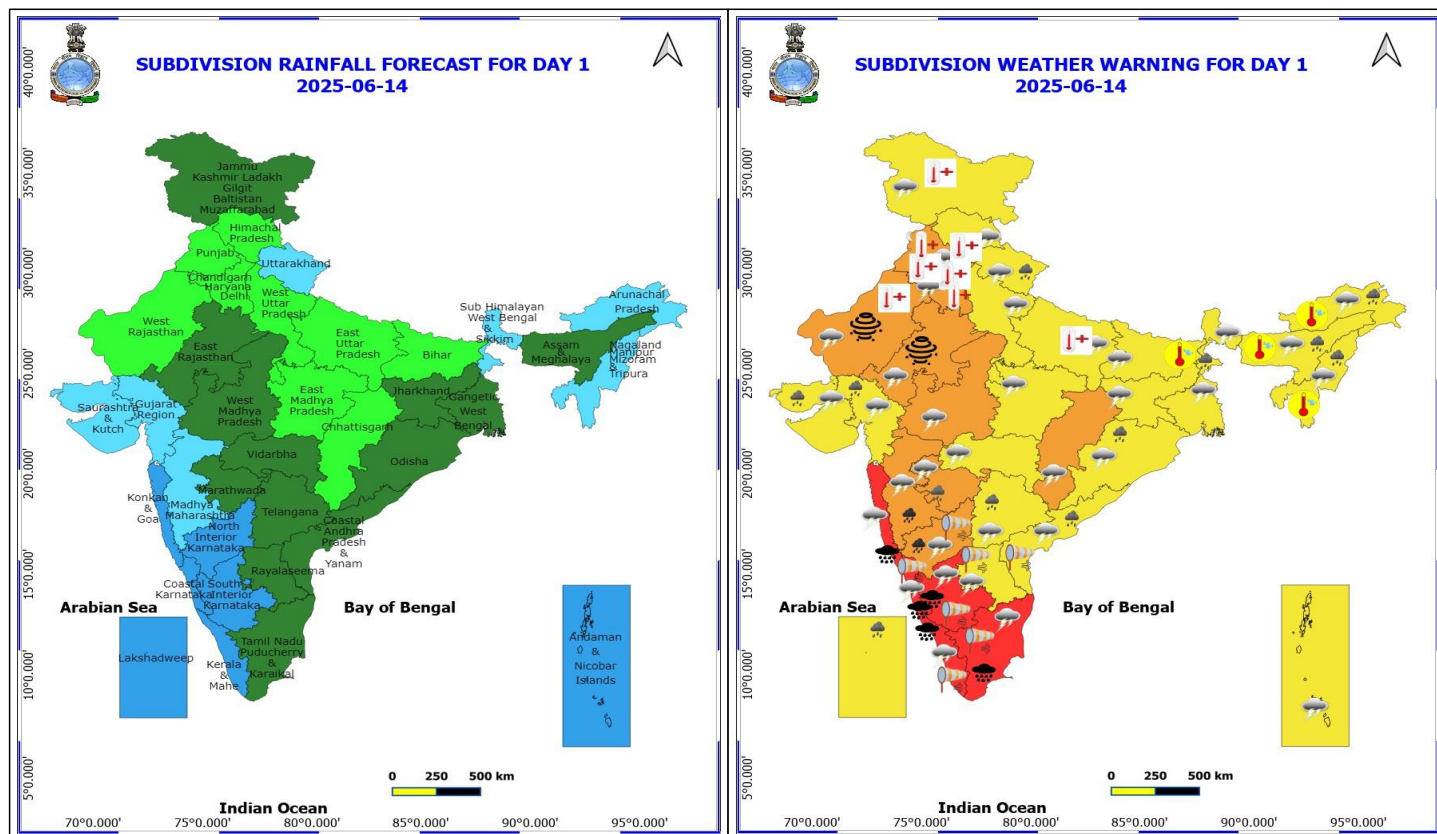
A **cyclonic circulation** lies over westcentral Bay of Bengal off north Coastal Andhra Pradesh coast at 5.8 km above mean sea level.

A **cyclonic circulation** lies over Central Assam & neighbourhood at 0.9 km above mean sea level.

Weather Forecast for next 7 days (Upto 0830 hours IST of 20 June)

- Fairly widespread to widespread rainfall activity likely over Northeast India, Sub-Himalayan West Bengal & Sikkim, Andaman & Nicobar Islands, Lakshadweep, Konkan & Goa, Marathwada, Madhya Maharashtra Coastal and Interior Karnataka, Telangana, & Rayalaseema and Kerala & Mahe.
- Isolated to scattered rainfall likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan Muzaffarabad, Uttarakhand, Odisha, south Chhattisgarh, Vidarbha, Madhya Pradesh, Uttar Pradesh, Bihar and Jharkhand.





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

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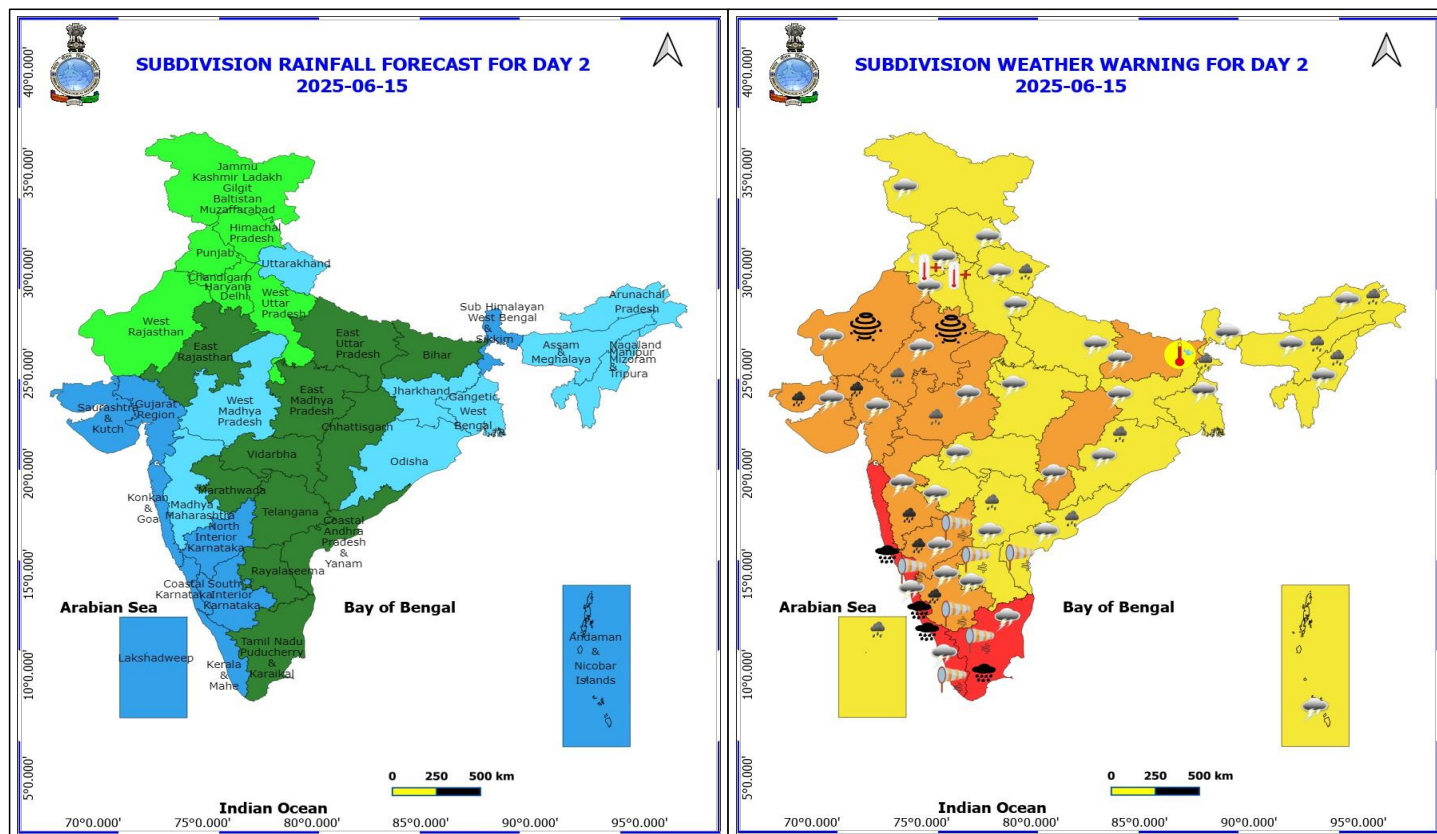
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- ❖ **Strong Surface Winds** very likely at isolated places over Andhra Pradesh, Coastal Karnataka, Interior Karnataka, Kerala & Mahe and Tamil Nadu Puducherry & Karaikal.
- ❖ **Heat Wave conditions** very likely at isolated places over East Uttar Pradesh, Haryana, Chandigarh & Delhi, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Punjab and West Rajasthan.
- ❖ **Hot and Humid weather** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Bihar and Nagaland, Manipur, Mizoram and Tripura.
- ❖ **Warm Night conditions** very likely at isolated places over Haryana, Chandigarh & Delhi and Punjab.
- ❖ **Squally wind with speed 45 kmph to 55 kmph gusting to 65 kmph** likely to prevail along and off Somalia coast and adjoining parts of southwest and westcentral Arabian Sea, over some western parts of southwest Arabian Sea, 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 coasts, over most parts of southeast Arabian Sea, northern parts of southwest & adjoining westcentral Arabian Sea, over Lakshadweep, Maldives, Comorin areas, over most parts of south Bay of Bengal and over Andaman Sea.



15 June (Day 2)

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

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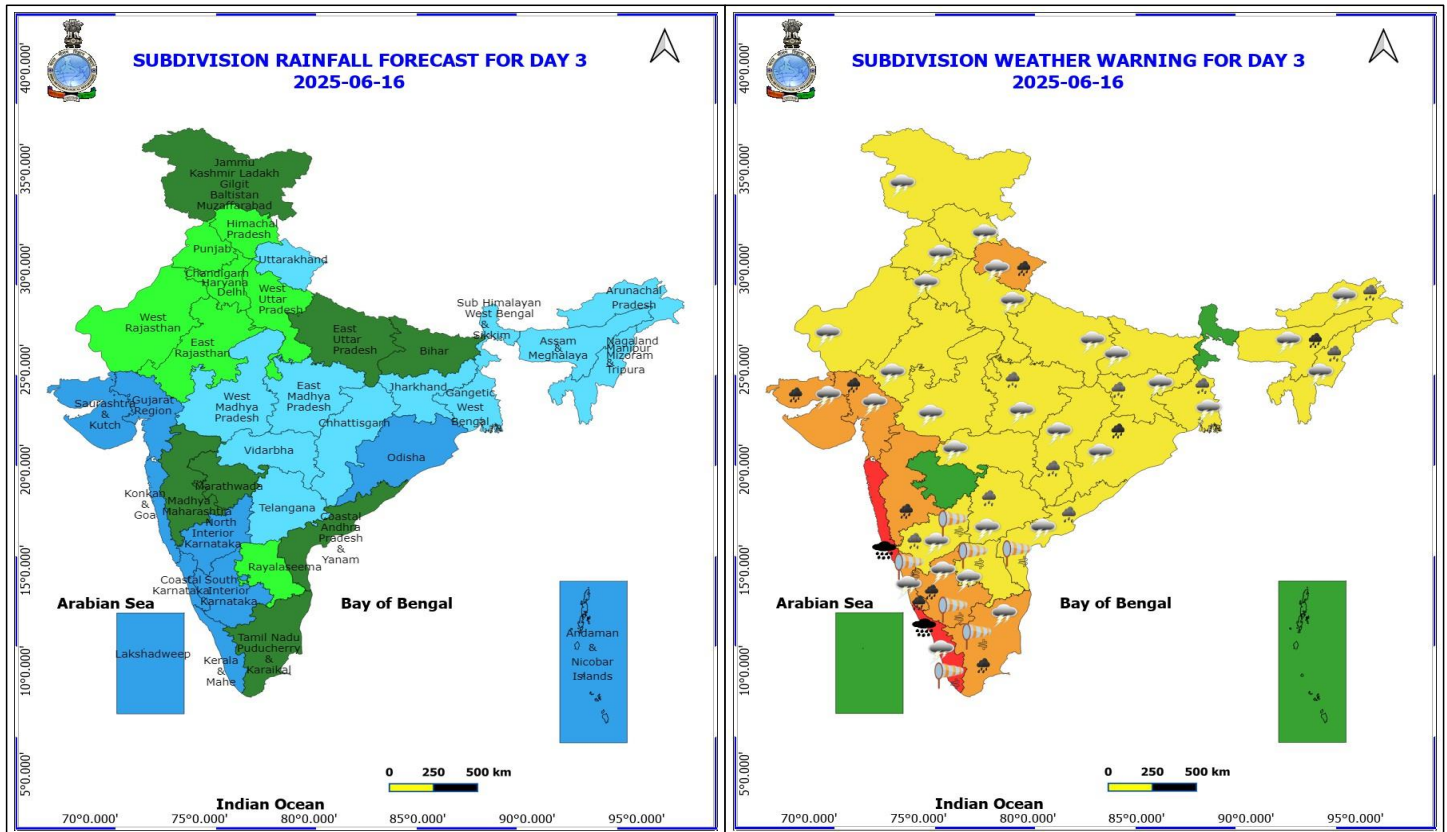
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❖ **Strong Surface Winds** very likely at isolated places over Andhra Pradesh, Coastal Karnataka, Interior Karnataka, Kerala & Mahe and Tamil Nadu Puducherry & Karaikal.

❖ **Hot and Humid weather** very likely at isolated places over Bihar.

❖ **Warm Night conditions** very likely at isolated places over Haryana, Chandigarh & Delhi and Punjab.

❖ **Squally wind with speed 45 kmph to 55 kmph gusting to 65 kmph** likely to prevail along and off Somalia coast and adjoining parts of southwest and westcentral Arabian Sea, some western parts of southwest Arabian Sea, 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 many parts of southeast Arabian Sea, northern parts of southwest & many parts of westcentral Arabian Sea, over Lakshadweep, Maldives, Comorin areas, over most parts of south and central Bay of Bengal, and over Andaman Sea. **Squally weather with wind speed 45 - 55 kmph gusting to 65 kmph** likely to prevail many parts of southwest Bay of Bengal.



16 June (Day 3)

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

Squally wind with speed 45 kmph to 55 kmph gusting to 65 kmph likely to prevail along and off Somalia coast, most

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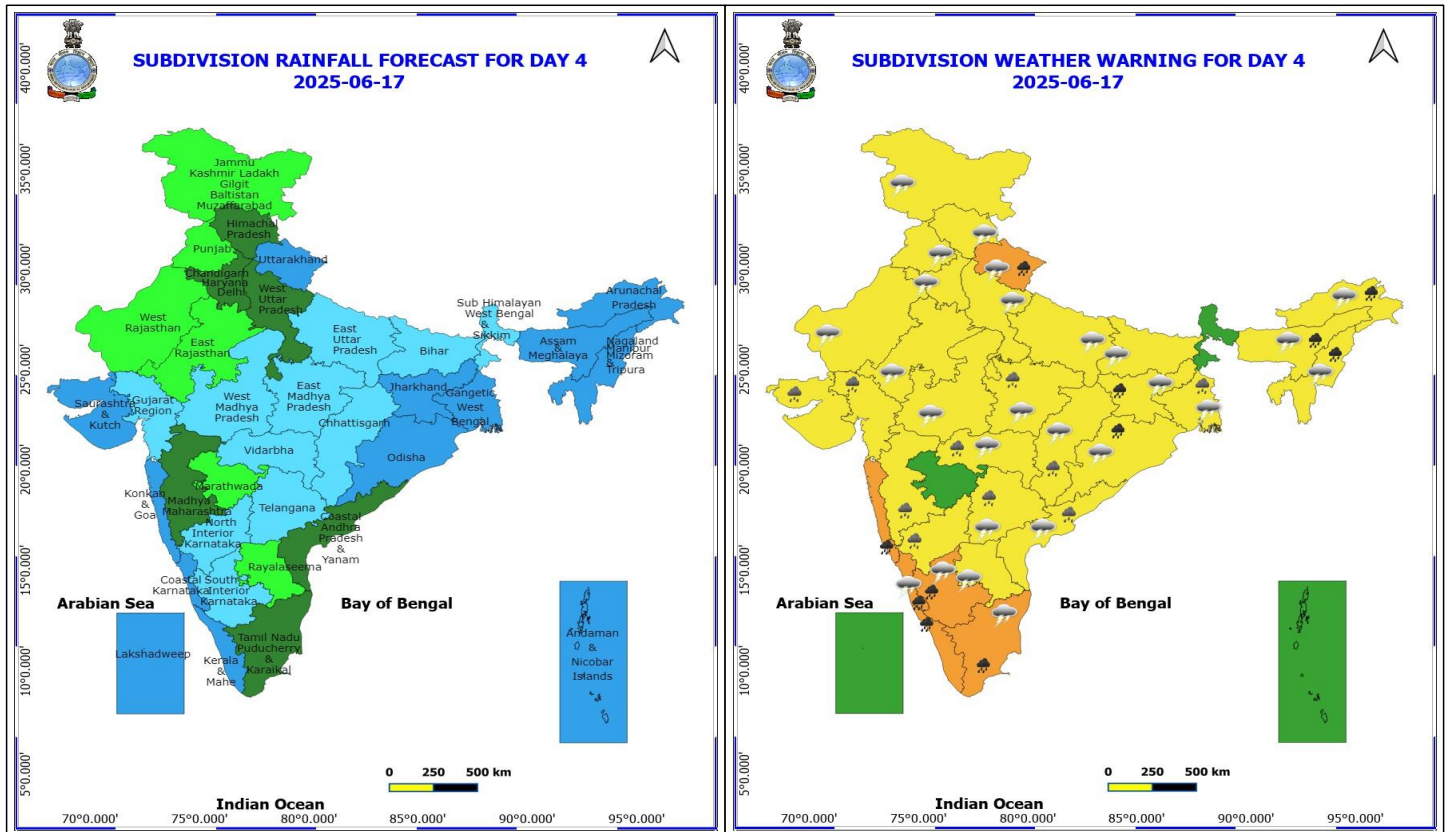
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parts of westcentral Arabian Sea & adjoining, some parts of eastcentral Arabian Sea, many parts of southwest Arabian Sea, adjoining parts of southeast Arabian Sea, along and off Oman & adjoining Yemen coasts. Squally weather with wind speed 40 - 50 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.



17 June (Day 4)

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

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, 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

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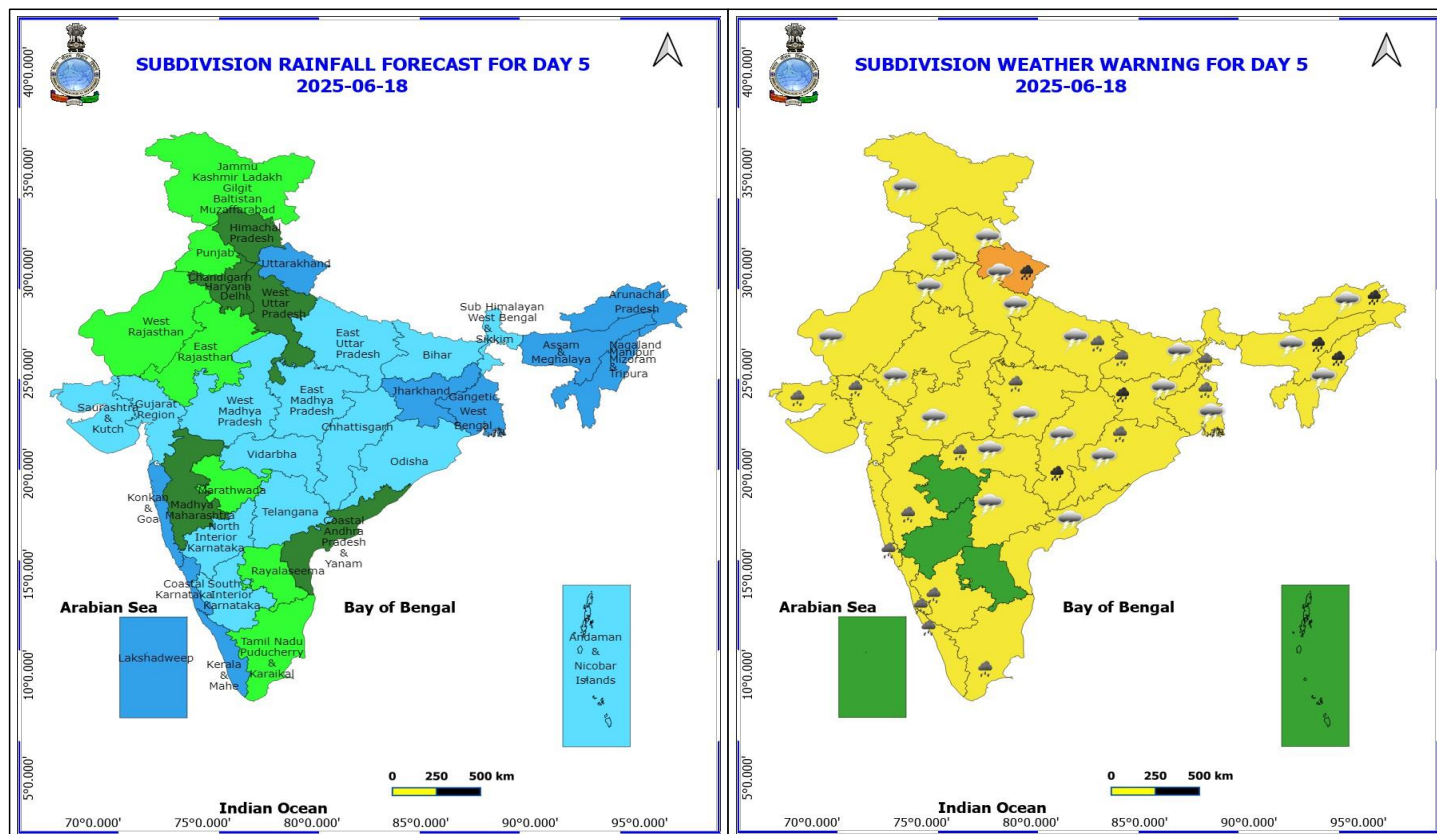
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over north Andaman Sea. Squally weather with wind speed 45 - 55 kmph gusting to 65 kmph likely to prevail many parts of westcentral Bay of Bengal, adjoining and some parts of eastcentral Bay of Bengal.



18 June (Day 5)

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

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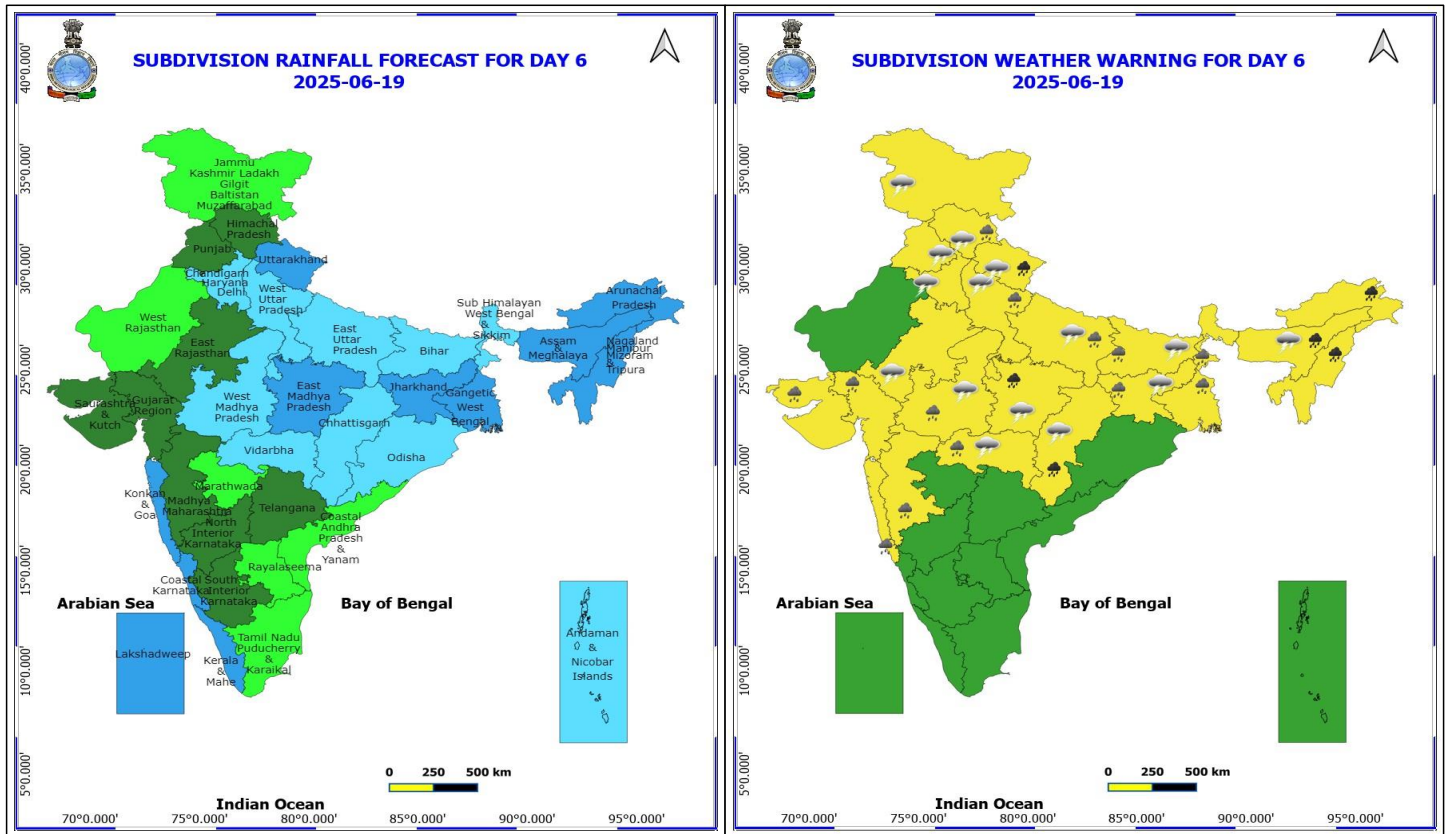
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north Andaman Sea. Squally weather with wind speed 45 - 55 kmph gusting to 65 kmph likely to prevail over few northern parts of central Bay of Bengal.



19 June (Day 6)

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

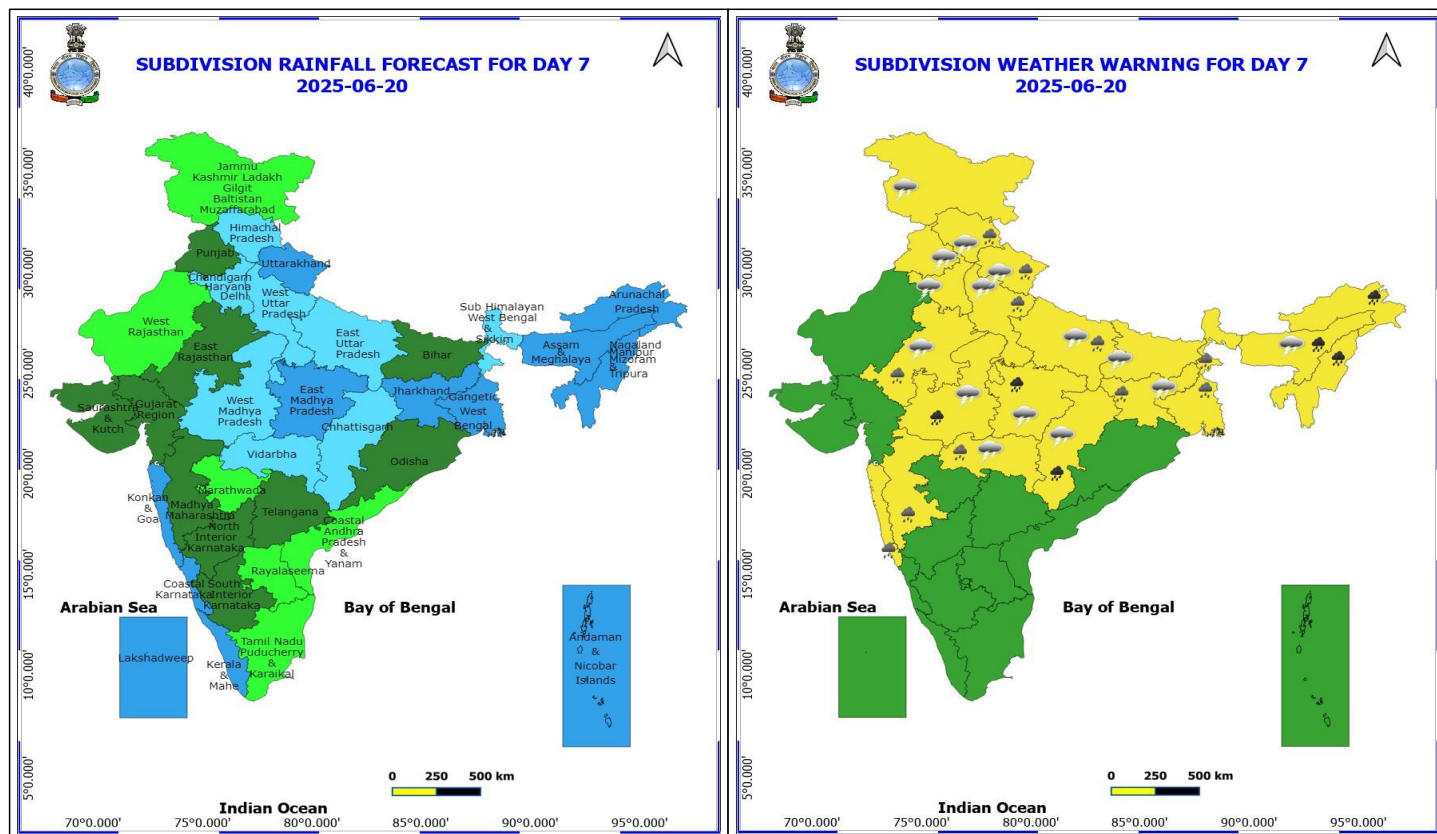
No Fishermen Warning

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20 June (Day 7)

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

No Fishermen Warning

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Table-1

7 Days Rainfall Forecast

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

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 2025-06-14

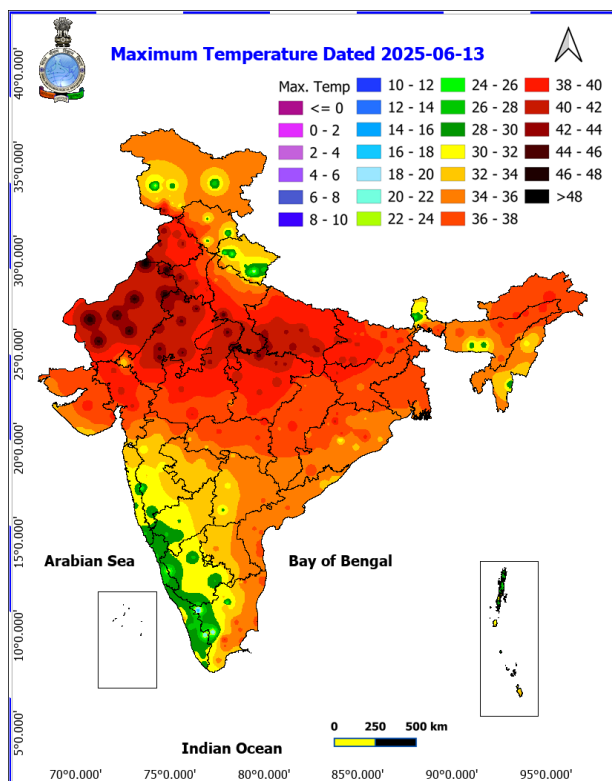


Fig. 2: Departure of Maximum Temp. Dated 2025-06-14

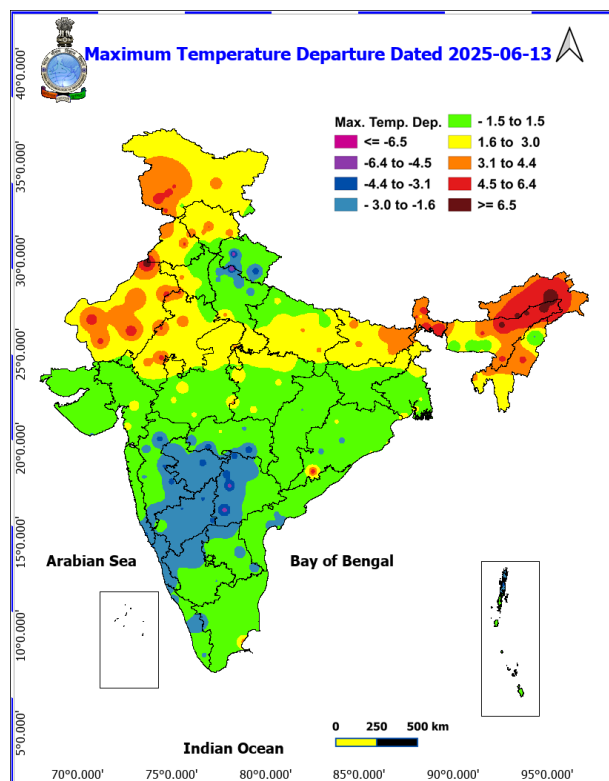


Fig. 3: Minimum Temperatures Dated 2025-06-14

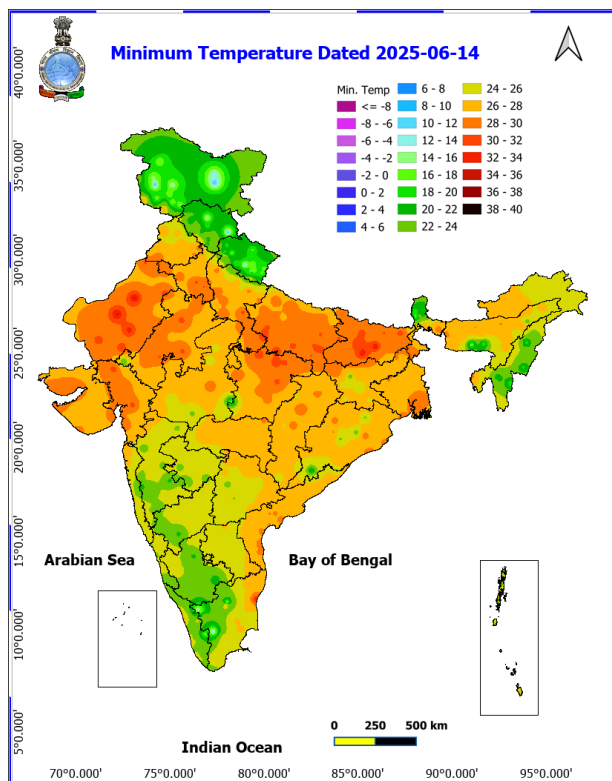
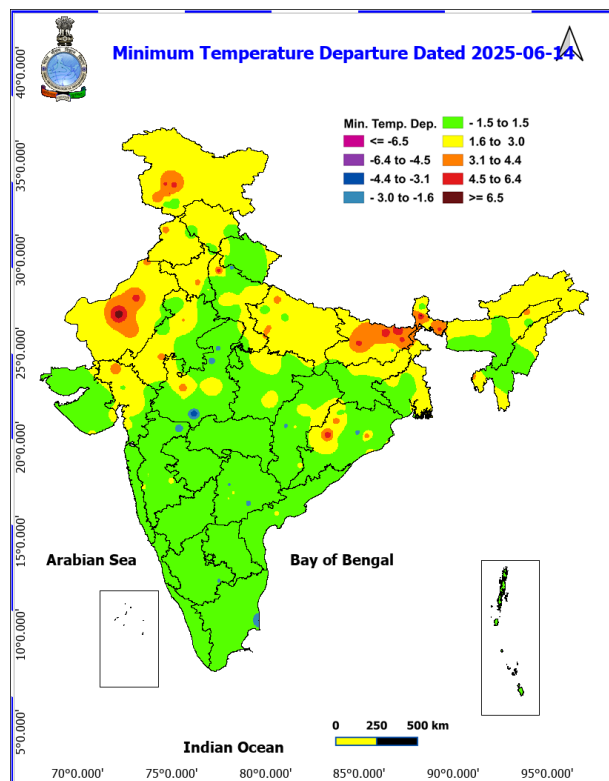
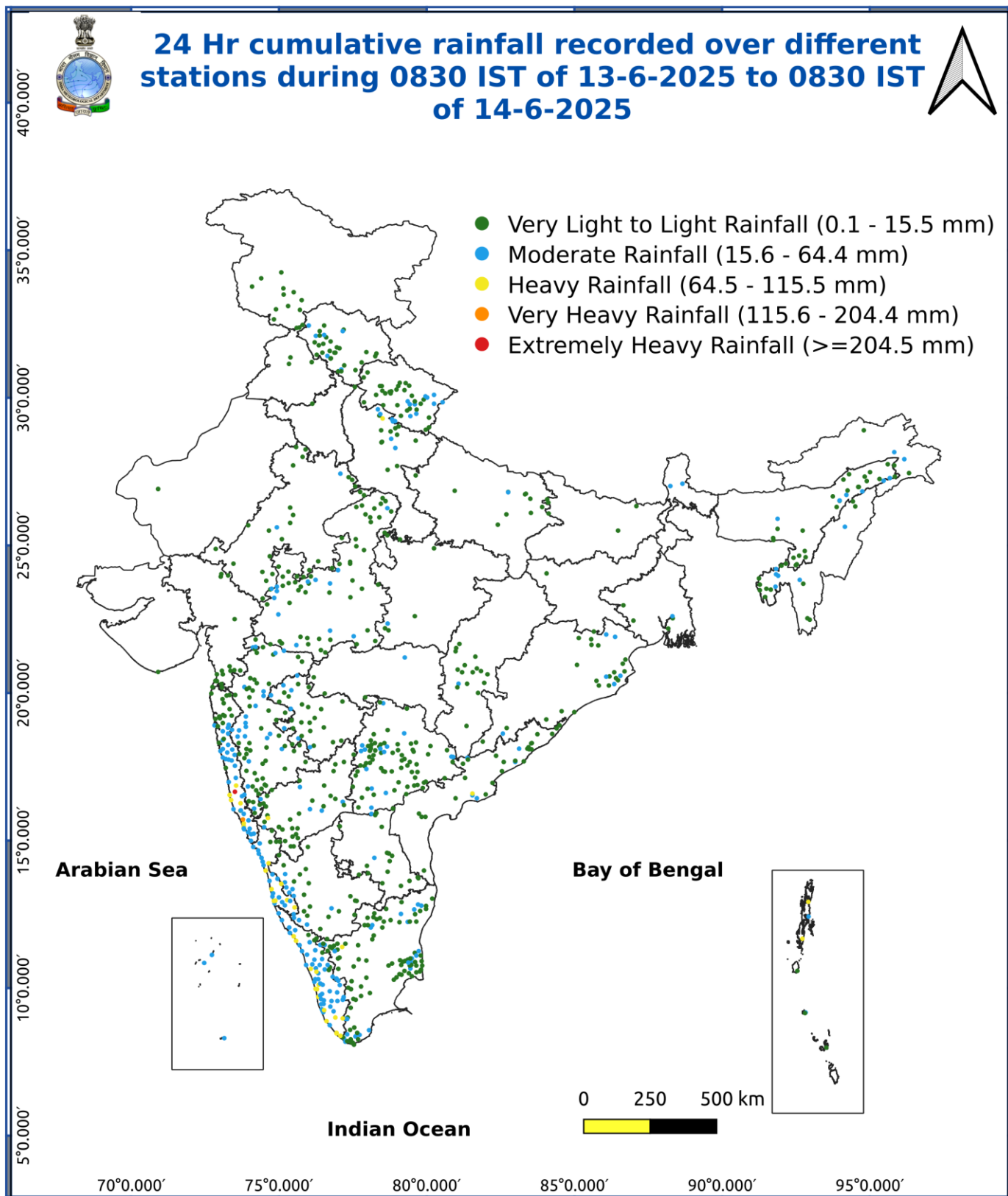


Fig. 4: Departure of Minimum Temp. Dated 2025-06-14





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Extremely heavy rainfall (>20 cm/24 hours) at isolated places over Tamil Nadu, Puducherry & Karaikal, Coastal Karnataka on 14th & 15th; South Interior Karnataka on 14th; Konkan & Goa, Kerala & Mahe during 14th-16th June.

Very heavy rainfall on Uttarakhand during 16th-19th; Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura during 17th-20th; Assam & Meghalaya during 16th-20th; West Madhya Pradesh on 20th; East Madhya Pradesh on 19th & 20th; Chhattisgarh during 18th-20th; Jharkhand on 17th & 18th; Odisha, Konkan & Goa, Tamil Nadu, Puducherry & Karaikal, Coastal Karnataka on 16th & 17th; Madhya Maharashtra during 14th-16th; Gujarat state on 15th & 16th; Kerala & Mahe on 17th; South Interior Karnataka during 15th-17th; North Interior Karnataka on 14th & 15th 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.

Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph) at isolated places over Konkan & Goa, Marathawada, Chhattisgarh and Madhya Maharashtra on 14th; West Madhya Pradesh during 13th-15th; Vidarbha on 13th & 14th; Bihar on 15th; East Rajasthan on 19th & 20th June.

Dust storm (wind speed reaching 50-60 kmph gusting to 70 kmph) at isolated places over Rajasthan on 14th & 15th June.

Strong surface winds (speed reaching 40-60 kmph) over Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe, Coastal Andhra Pradesh & Yanam, Rayalaseema, Karnataka during 14th-16th June.

Impact expected:

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

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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 kutchha 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.

24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 15-06-2025 :

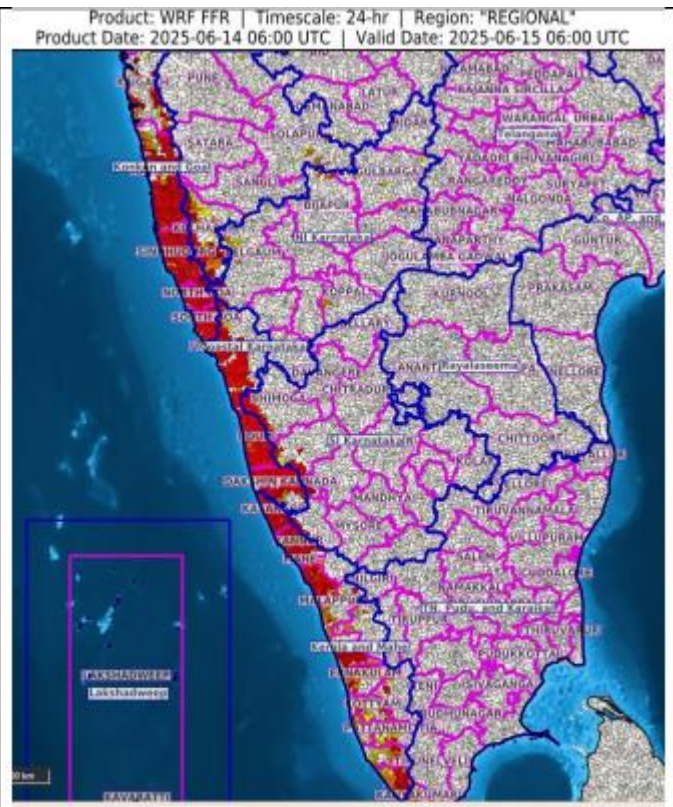
Low to Moderate flash flood risk likely over few watersheds & neighbourhoods of following Met Sub-divisions during next 24 hours.

Coastal Karnataka - Dakshin Kannada, Udupi and Uttar Kannada districts.

Kerala & Mahe - Alappuzha, Ernakulam, Idukki, Kannur, Kasargod, Kollam, Kottayam, Kozikod, Mahe, Malappuram, Palakkad, Pattanamittia, Thiruvananthapuram, Trishur and Wayanad districts.

Konkan & Goa - North Goa, South Goa, Raigarh, Ratnagiri and Sindhudurg 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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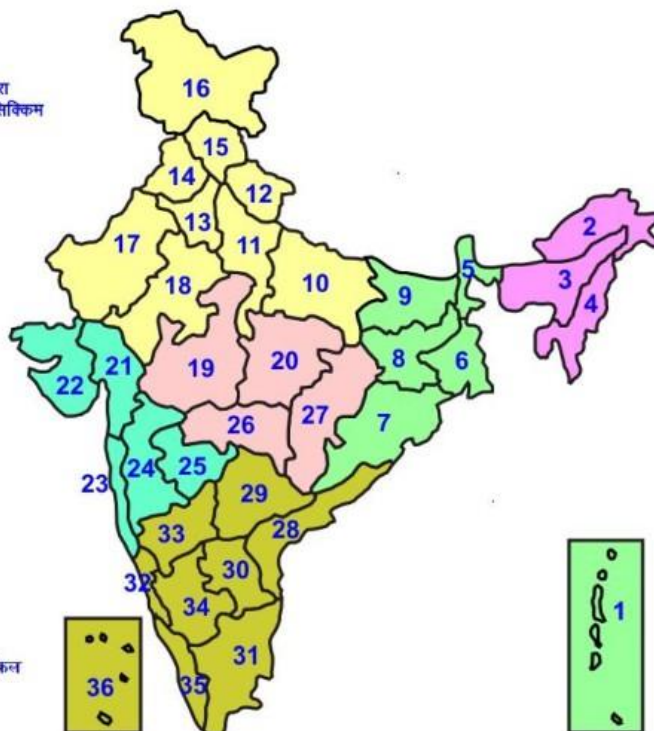
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LEGENDS

- 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 रायलसेमा
- 31 तमिलनाडु, पुदुचेरी एवं कराईकल
- 32 तटिय कर्नाटक
- 33 आंतरिक उत्तरी कर्नाटक
- 34 आंतरिक दक्षिणी कर्नाटक
- 35 केरल एवं माहे
- 36 लक्षद्वीप



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

SPATIAL DISTRIBUTION (% of Stations reporting)

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

Subdivision Colour

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

Probabilistic Forecast

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

-  Heavy Rain

 Thunderstorm & Lightning

 Strong surface winds

 Cold Wave

 Hot & Humid

 Very Heavy Rain

 Hailstorm

 Heat Wave


 Cold Day

 Extremely Heavy Rain

 Dust Storm

 Hot Day

 Ground Frost

 Heavy Snow

 Dust Raising Winds

 Warm Night

 Fog

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LEGENDS

WARNING

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

Probabilistic Forecast

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



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



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

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

(b). Based on Actual maximum temperature

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

(c). Criteria for heat wave for coastal stations

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



When maximum temperature remains 40°C

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



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

(a). Based on departure

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

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

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

(c) For Coastal Stations

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



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

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



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

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



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



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



Ice deposits on ground

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



A strong wind that rises suddenly, lasts for 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)

*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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