

2025-06-17

Time of Issue: 09:00:00 hours IST
(Morning)

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, Kerala & Mahe, Lakshadweep, Karnataka on 17th-18th; Coastal Andhra Pradesh & Yanam, Rayalaseema, Telangana during 17th-20th June.
- Isolated **heavy rainfall** likely over Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe, Karnataka on 17th-18th with **very heavy rainfall** likely at isolated places over Coastal Karnataka on 17th June.
- **Strong surface winds** (speed reaching 40-60 kmph) very likely over Kerala & Mahe, Lakshadweep, Karnataka on 17th, Rayalaseema, Telangana and Coastal Andhra Pradesh & Yanam during 17th-20th 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, Konkan & Goa, Madhya Maharashtra, Marathwada during 17th -20th June.
- Isolated **heavy to very heavy rainfall** likely over Konkan & Goa, Madhya Maharashtra, Gujarat Region during 17th-22nd; Saurashtra & Kutch during 17th-19th with **Extremely heavy rainfall (>20 cm/24 hours)** likely at isolated places over Saurashtra & Kutch on 17th 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 on 17th; Madhya Pradesh, Vidarbha, Chhattisgarh, Gangetic West Bengal, Bihar, Jharkhand, Odisha during 17th-20th with
- **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** very likely at isolated places over Madhya Pradesh, Jharkhand, Bihar on 17th June.
- Isolated **heavy rainfall** also likely over West Bengal & Sikkim, Bihar, Jharkhand, Odisha, Chhattisgarh during 17th-20th; Vidarbha on 17th, Madhya Pradesh on 19th & 20th June with **very heavy rainfall** over East Madhya Pradesh on 19th & 20th; Chhattisgarh, Gangetic West Bengal on 17th & 18th; Bihar, Sub-Himalayan West Bengal & Sikkim, Jharkhand on 18th & 19th; Odisha on 17th-18th 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 17th-22nd June with **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** over Rajasthan on 17th June.
- Isolated **heavy rainfall** likely over Uttarakhand, East Uttar Pradesh during 17th-22nd; Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh on 21st & 22nd; Punjab, Haryana, East Rajasthan on 21st & 22nd; West Uttar Pradesh during 19th-22nd, with **very heavy rainfall** on East Uttar Pradesh during 19th-21st June.

Northeast India:

- Light/moderate rainfall at many/most places accompanied with **thunderstorm, lightning and isolated heavy to very heavy rainfall** likely to continue over Northeast India during next 7 days.

Maximum Temperature Forecast:

- Maximum Temperatures likely to fall by 2-4°C over Central India during next 4-5 days and no significant change thereafter.

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

Main Weather Observations:

- ❖ **Rainfall distribution** (from 0830 hours IST of yesterday to 0530 hours IST of today): **at most places** over Saurashtra & Kutch, East Rajasthan, Nagaland, Manipur, Mizoram & Tripura, Sub-himalayan West Bengal & Sikkim, Gangetic West Bengal, Odisha, Jharkhand, Uttarakhand, Himachal Pradesh, Jammu & Kashmir and Ladakh, Assam & Meghalaya, Arunachal Pradesh, Konkan & Goa, Andaman & Nicobar Islands, Chhattisgarh, East Madhya Pradesh, Coastal Karnataka, North Interior Karnataka, Kerala & Mahe, Gujarat Region and Lakshadweep; **at many places** over East Uttar Pradesh, West Uttar Pradesh, Bihar, Haryana Chandigarh & Delhi, Punjab, West Rajasthan, Telangana, Coastal Andhra Pradesh & Yanam, Madhya Maharashtra, Vidarbha, West Madhya Pradesh, Tamilnadu Puducherry & Karaikal and South Interior Karnataka; **Dry** over rest of the country.
- ❖ **Significant rainfall recorded(in cm)** (from 0830 hours IST of yesterday to 0530 hours IST of today): Saurashtra & Kutch: Okha (dist Jamnagar) 8; Konkan & Goa : Mumbai (santacruz) AP (dist) 8.
- ❖ **Heavy Rainfall observed** (from 0830 hours IST of yesterday to 0530 hours IST of today): **Heavy rain** at a few places over Saurashtra & Kutch, at isolated places over Odisha, Gujarat Region and Konkan & Goa
- ❖ **Minimum Temperature Departures (as on 16-06-2025): markedly above normal(> 5.1°C)** at isolated places over Assam & Meghalaya, Sub Himalayan West Bengal & Sikkim, Bihar, Himachal Pradesh, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad, East Madhya Pradesh and Saurashtra & Kutch. **appreciably above normal(3.1°C to 5.0°C)** at isolated places over Jharkhand, Haryana-Chandigarh-Delhi, Punjab, West Madhya Pradesh and Vidarbha. **above normal(1.6°C to 3.0°C)** at many places over Andaman & Nicobar Islands; at few places over Gangetic West Bengal; at isolated places over Nagaland, Manipur, Mizoram & Tripura, Odisha, East Uttar Pradesh, Gujarat Region, Madhya Maharashtra, Coastal Andhra Pradesh & Yanam, Rayalaseema and Tamil Nadu, Puducherry & Karaikal. **near normal(-1.5°C to 1.5°C)** at many places over West Uttar Pradesh, East Rajasthan, Chhattisgarh, Telangana, Coastal Karnataka and South Interior Karnataka; at most places over Arunachal Pradesh, Uttarakhand, Konkan & Goa, Marathwada and North Interior Karnataka; at few places over West Rajasthan, Kerala & Mahe and Lakshadweep. **The lowest minimum temperature** of 18.4°C was reported at MATHERAN (MAHARASHTRA) over the Plains of India.
- ❖ **Maximum Temperature Departures (as on 16-06-2025): markedly above normal(> 5.1°C)** at isolated places over Odisha, Bihar and Konkan & Goa. **appreciably above normal(3.1°C to 5.0°C)** at isolated places over Assam & Meghalaya, Sub Himalayan West Bengal & Sikkim, Himachal Pradesh, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad and Tamil Nadu, Puducherry & Karaikal. **above normal(1.6°C to 3.0°C)** at few places over Arunachal Pradesh; at isolated places over Nagaland, Manipur, Mizoram & Tripura, Gangetic West Bengal, East Uttar Pradesh, East Rajasthan, East Madhya Pradesh and Chhattisgarh. **near normal(-1.5°C to 1.5°C)** at many places over Andaman & Nicobar Islands, Uttarakhand, Punjab, West Madhya Pradesh, Gujarat Region, Coastal Andhra Pradesh & Yanam and Lakshadweep; at most places over Jharkhand and Vidarbha; at few places over Saurashtra & Kutch, Marathwada, Coastal Karnataka and Kerala & Mahe; at isolated places over Haryana-Chandigarh-Delhi, West Rajasthan, Madhya Maharashtra, Telangana, Rayalaseema and North Interior Karnataka. **The highest maximum temperature** of 41.1°C was reported at CHAPRA (BIHAR).

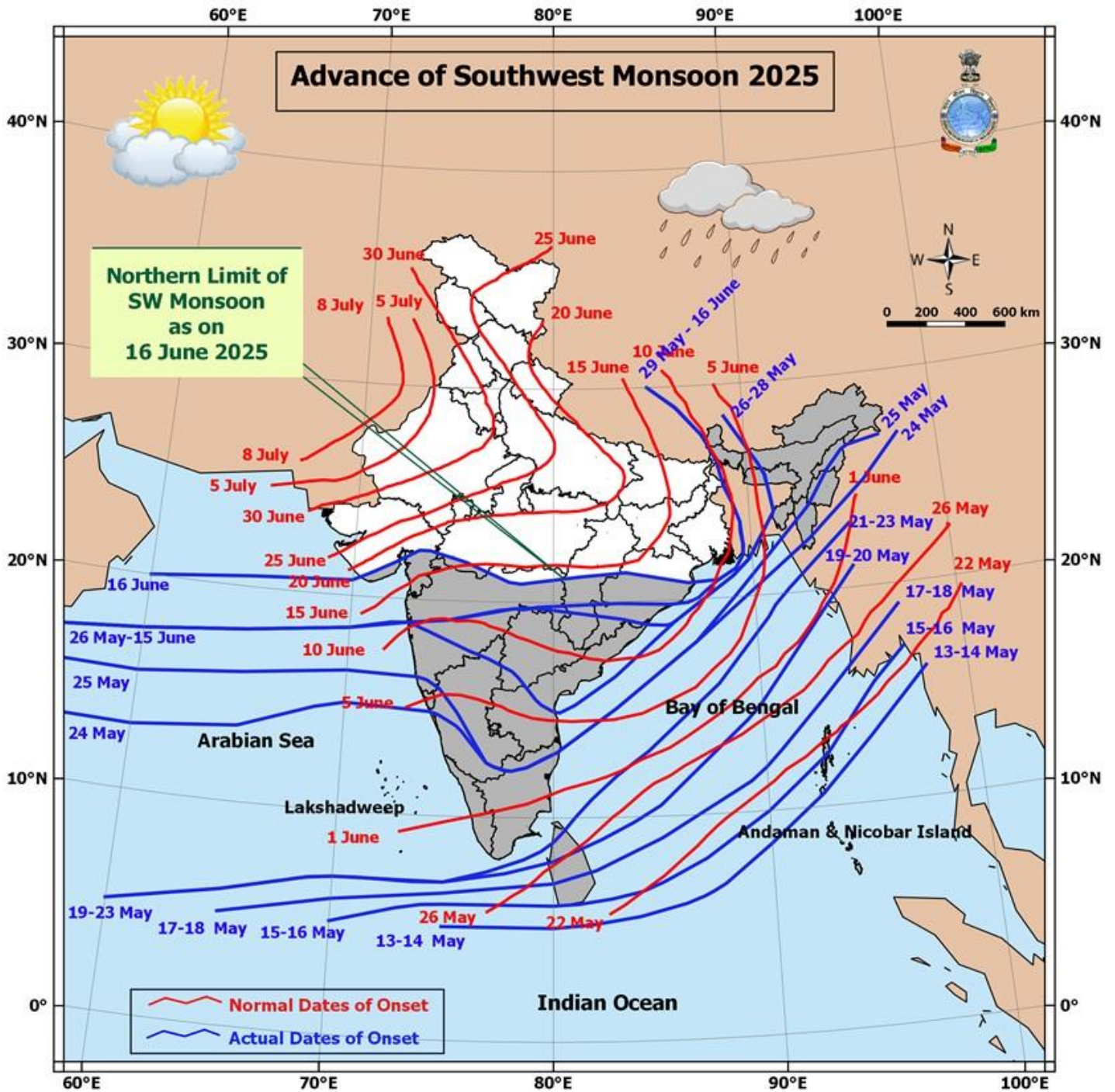


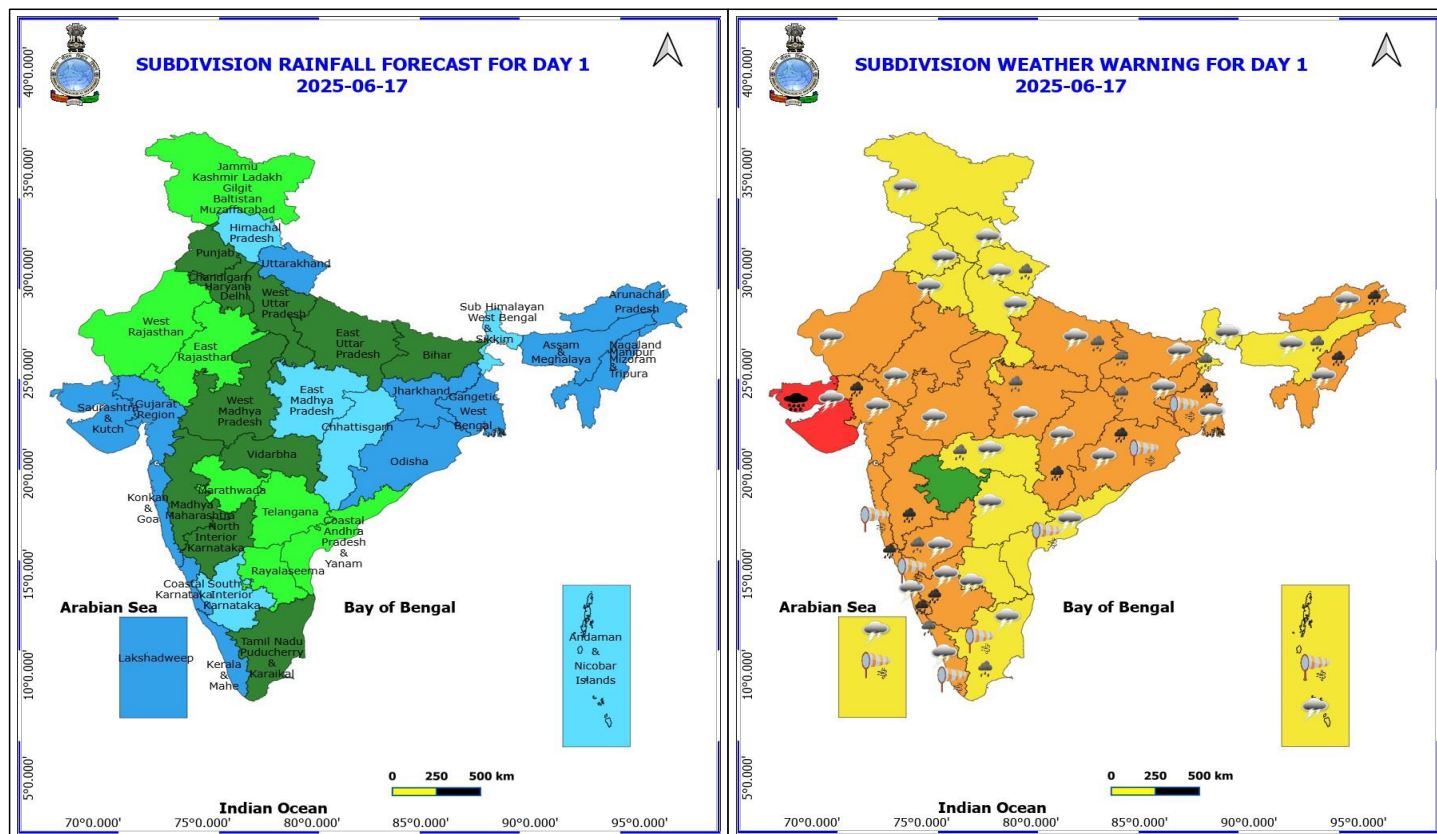
Meteorological Analysis (Based on 0530 hours IST)

- The Northern Limit of Monsoon passes through 20.0°N/60°E, 20.5°N/65°E, Veraval, Bhavnagar, Vadodara, Khargone, Amravati, Durg, Bargarh, Chandbali, Sandhead Island, 23.5°N/89.5°E, Balurghat and 30°N/85°E.
- Conditions are favourable for further advance of Southwest monsoon over remaining parts of North Arabian Sea; some more parts of Gujarat & Madhya Pradesh; remaining parts of Vidarbha, Chhattisgarh & Odisha; some parts of Gangetic West Bengal, Jharkhand; remaining parts of Northwest Bay of Bengal, Sub-Himalayan West Bengal; some parts of Bihar and East Uttar Pradesh during next 2-3 days.
- Under the influence of the upper air cyclonic circulation over Northwest Bay of Bengal & neighbourhood, **a low pressure area** has formed over Southwest Bangladesh and adjoining Gangetic West Bengal at 0530 hrs IST of today, the 17 June 2025. It is likely to become more marked and move west-northwestwards during next 24 hours.
- Under the influence of the upper air cyclonic circulation over south Gujarat & neighbourhood, **a low pressure area** has formed over Gujarat & neighbourhood at 0530 hrs IST of today, the 17 June 2025. It is likely to become more marked and move north-northwestwards during next 24 hours.
- The **upper air cyclonic circulation** over south Punjab & neighbourhood at 0.9 km above mean sea level persists.
- The **upper air cyclonic circulation** over northeast Punjab & neighbourhood at 3.1 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.
- The **upper air cyclonic circulation** over northeast Assam & neighbourhood extending upto 1.5 km above mean sea level 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.





17 June (Day 1)

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

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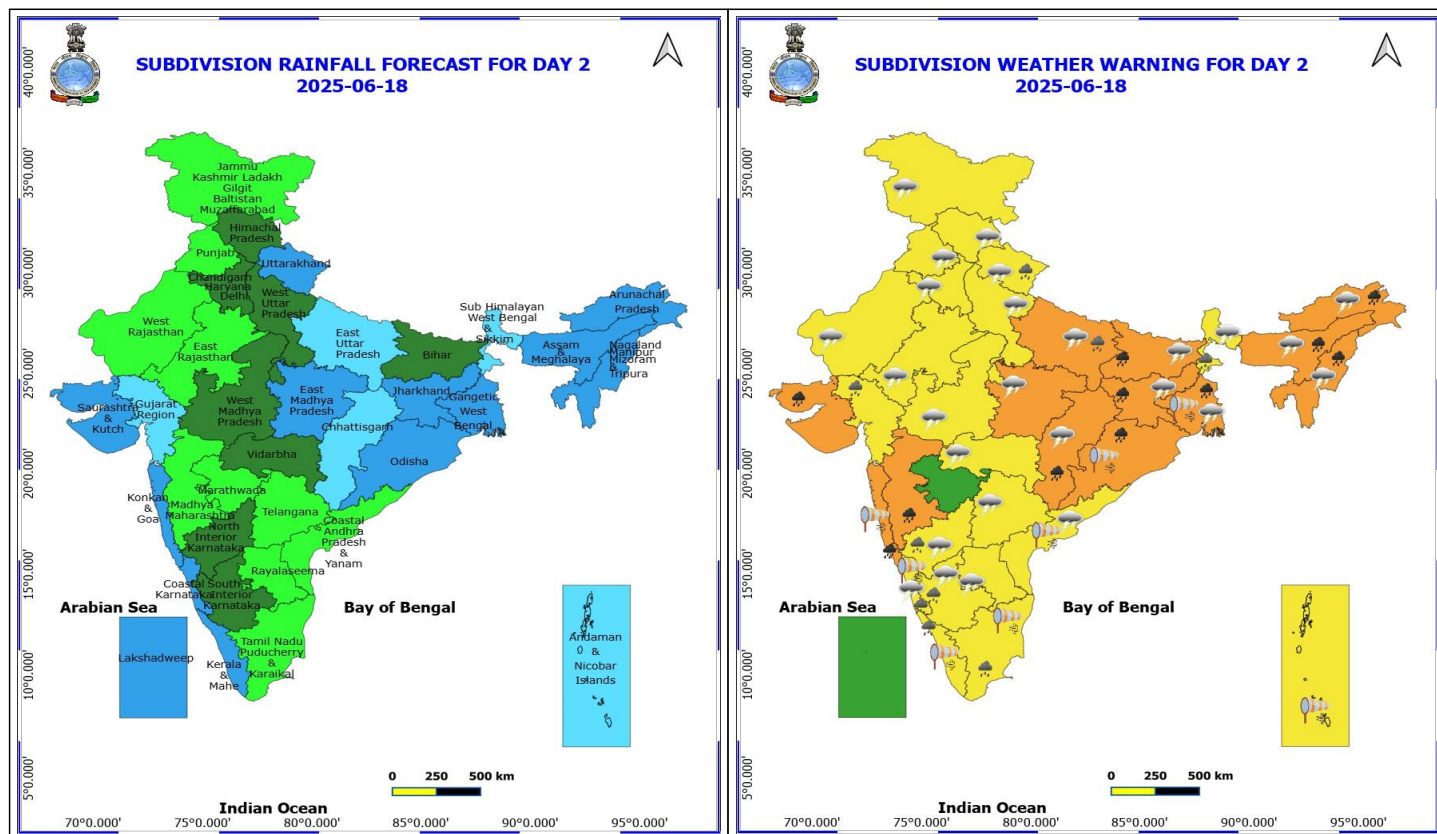
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❖ **Strong Surface Winds** very likely at isolated places over Andaman & Nicobar Islands, Coastal Andhra Pradesh, Coastal Karnataka, Gangetic West Bengal, Kerala & Mahe, Konkan & Goa, Lakshadweep, Odisha and Tamil Nadu Puducherry & Karaikal.

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



18 June (Day 2)

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

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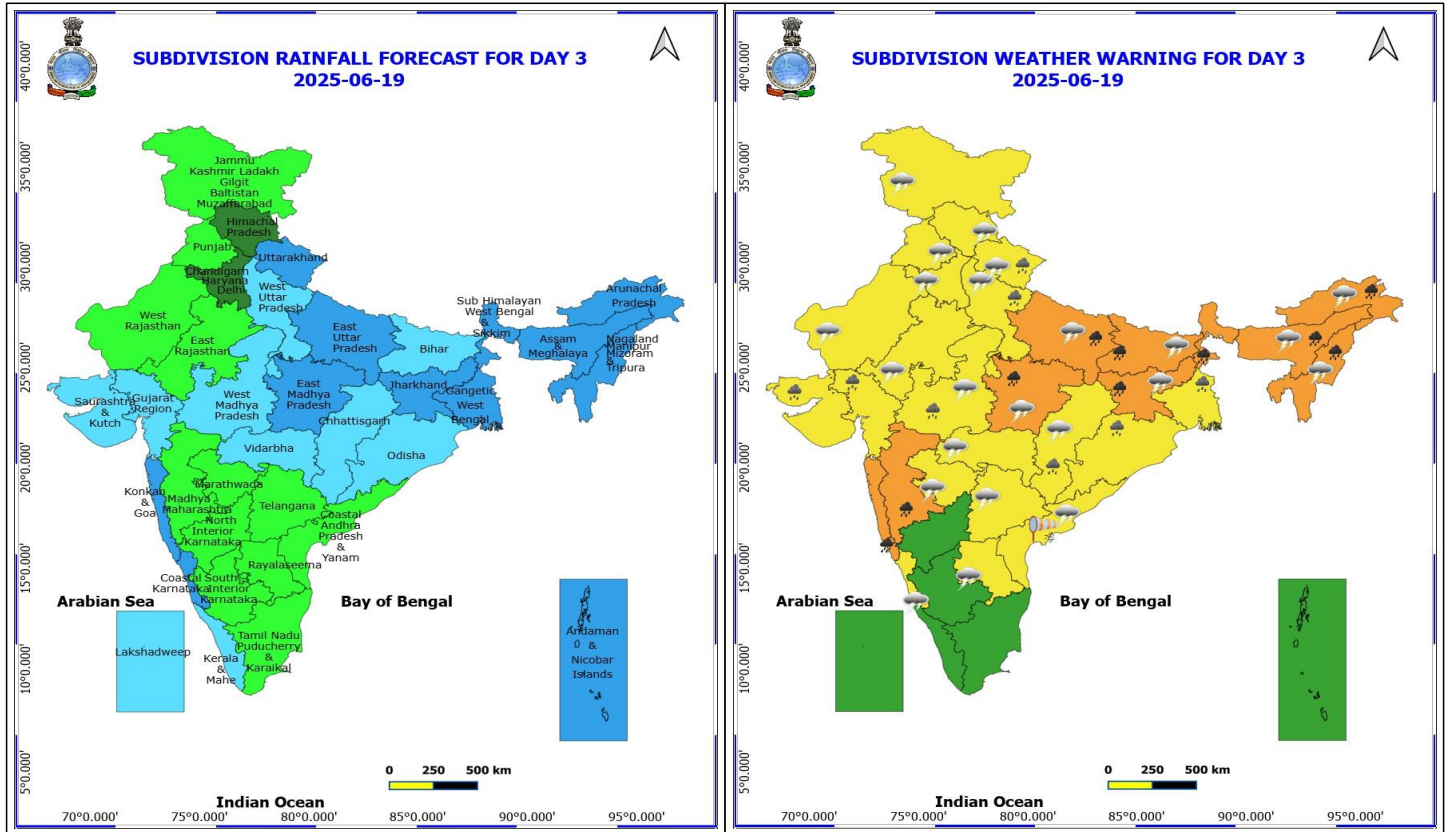
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❖ **Squally wind with speed 45 kmph to 55 kmph gusting to 65 kmph** likely to prevail along and off Somalia, Oman & adjoining Yemen coasts, along and off Gujarat, Konkan, coasts, most parts of central Arabian Sea & adjoining south Arabian Sea. **Squally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



19 June (Day 3)

- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Bihar, East Madhya Pradesh, East Uttar Pradesh, Jharkhand, Konkan & Goa, Madhya Maharashtra, Nagaland, Manipur, Mizoram and Tripura and Sub Himalayan West Bengal & Sikkim.
- ❖ **Heavy Rainfall** very likely at isolated places over Chhattisgarh, Gangetic West Bengal, Gujarat State, Odisha, Uttarakhand, West Madhya Pradesh and West Uttar Pradesh.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Haryana, Chandigarh & Delhi, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Madhya Pradesh, Punjab, Rajasthan, Rayalaseema, Uttar Pradesh and Uttarakhand.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Bihar, Chhattisgarh, Coastal Andhra Pradesh, Coastal Karnataka, Jharkhand, Marathwada and Telangana.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram and Tripura and Vidarbha.
- ❖ **Strong Surface Winds** very likely at isolated places over Coastal Andhra Pradesh.
- ❖ **Squally wind with speed 45 kmph to 55 kmph gusting to 65 kmph** likely to prevail along and off Somalia, Oman & adjoining Yemen coasts, along and off Gujarat coast, most parts of central Arabian Sea & adjoining south Arabian Sea. **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, Odisha, West Bengal coasts, over northern parts of northeast Arabian Sea, over southeast Arabian Sea, most parts of southwest Arabian sea, over many parts of northeast Arabian Sea, over Lakshadweep, Maldives, Comorin areas, over many parts of southwest & adjoining southeast Bay of Bengal, over central Bay of Bengal, over many parts of north bay of Bengal, and over north

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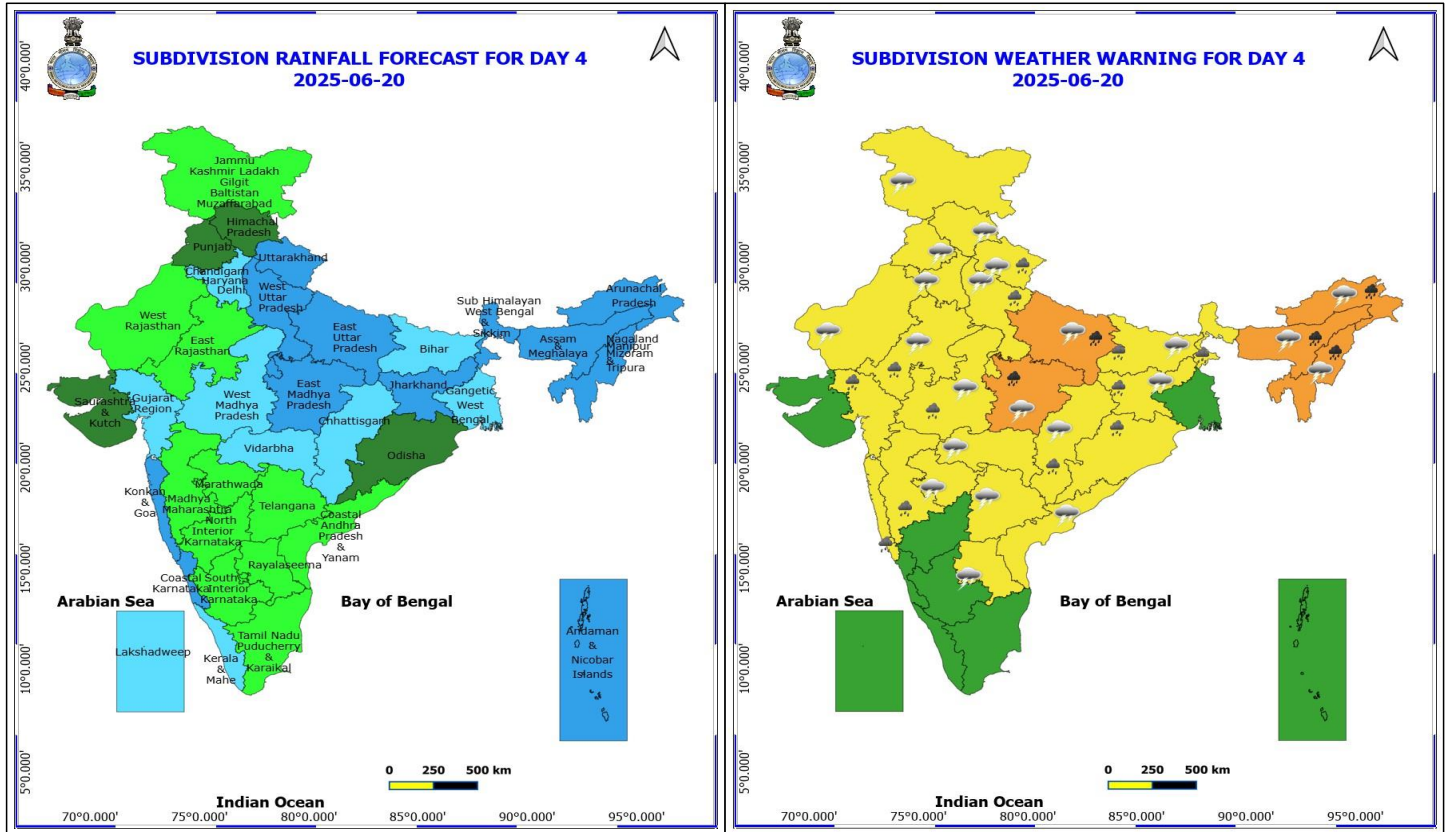
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Andaman Sea. **Squally weather with wind speed 45 - 55 kmph gusting to 65 kmph** likely to prevail along and off Gujarat coast, many parts of southern parts of northeast Arabian Sea, eastcentral & westcentral Arabian Sea, many parts of westcentral Bay of Bengal & adjoining parts of southwest Bay of Bengal, Gulf of Mannar. Fishermen are advised not to venture these areas.



20 June (Day 4)

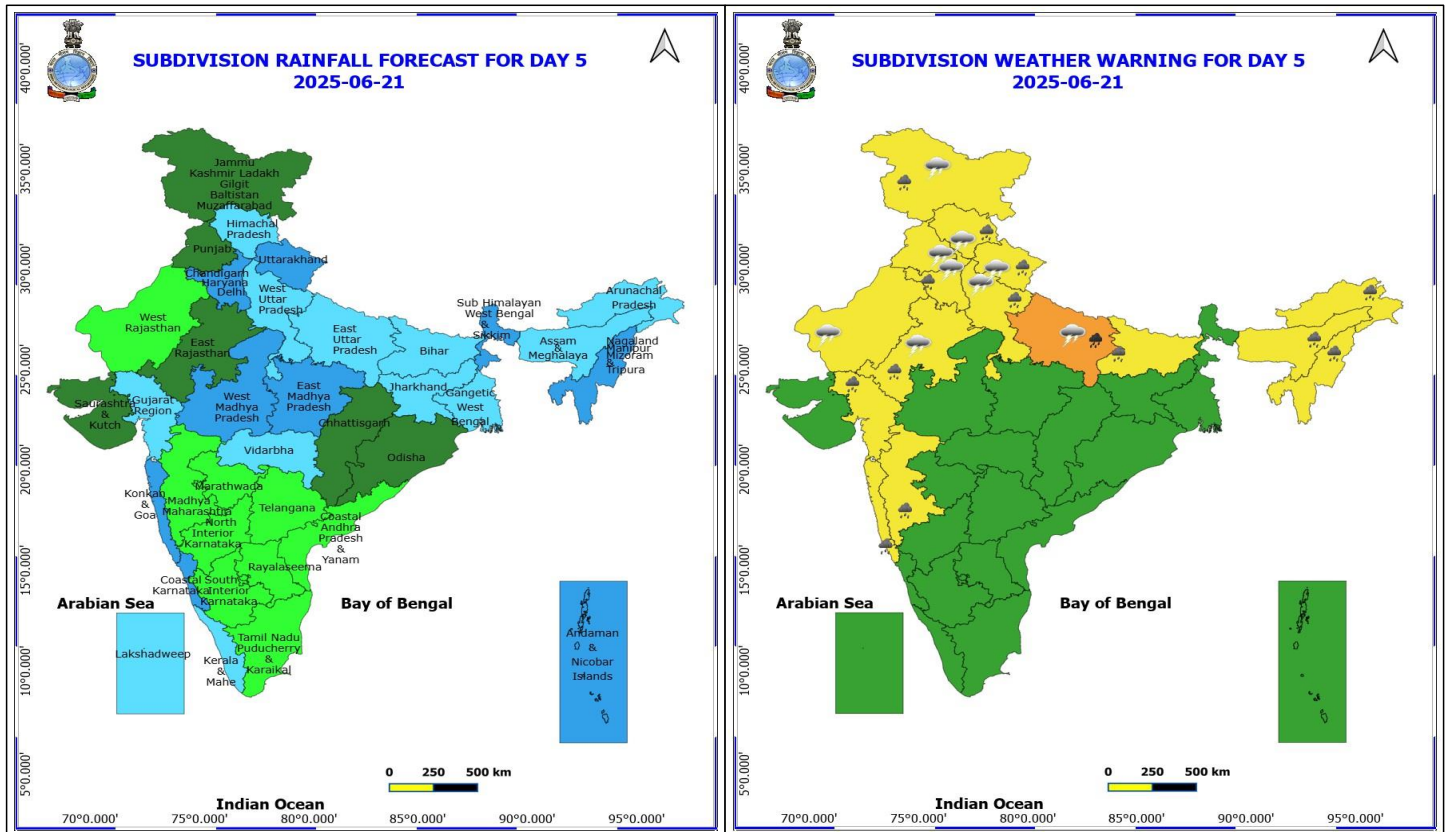
- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, East Madhya Pradesh, East Uttar Pradesh and Nagaland, Manipur, Mizoram and Tripura.
- ❖ **Heavy Rainfall** likely at isolated places over Bihar, Chhattisgarh, East Rajasthan, Gujarat Region, Jharkhand, Konkan & Goa, Madhya Maharashtra, Odisha, Sub Himalayan West Bengal & Sikkim, Uttarakhand, West Madhya Pradesh and West Uttar Pradesh.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Haryana, Chandigarh & Delhi, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Madhya Pradesh, Punjab, Rajasthan, Rayalaseema, Uttar Pradesh, Uttarakhand and Vidarbha.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Bihar, Chhattisgarh, Coastal Andhra Pradesh, Jharkhand, Marathwada and Telangana.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram and Tripura.
- ❖ **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, northern 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, Andhra Pradesh, Odisha, West Bengal coasts, over northern parts of southwest Arabian Sea and adjoining parts of southeast Arabian Sea, most parts of central and northeast Arabian Sea, over most parts of northeast Arabian Sea, 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 western parts of eastcentral Arabian Sea & adjoining westcentral Arabian Sea, some parts of central Bay of Bengal. Fishermen are advised not to venture these areas.

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21 June (Day 5)

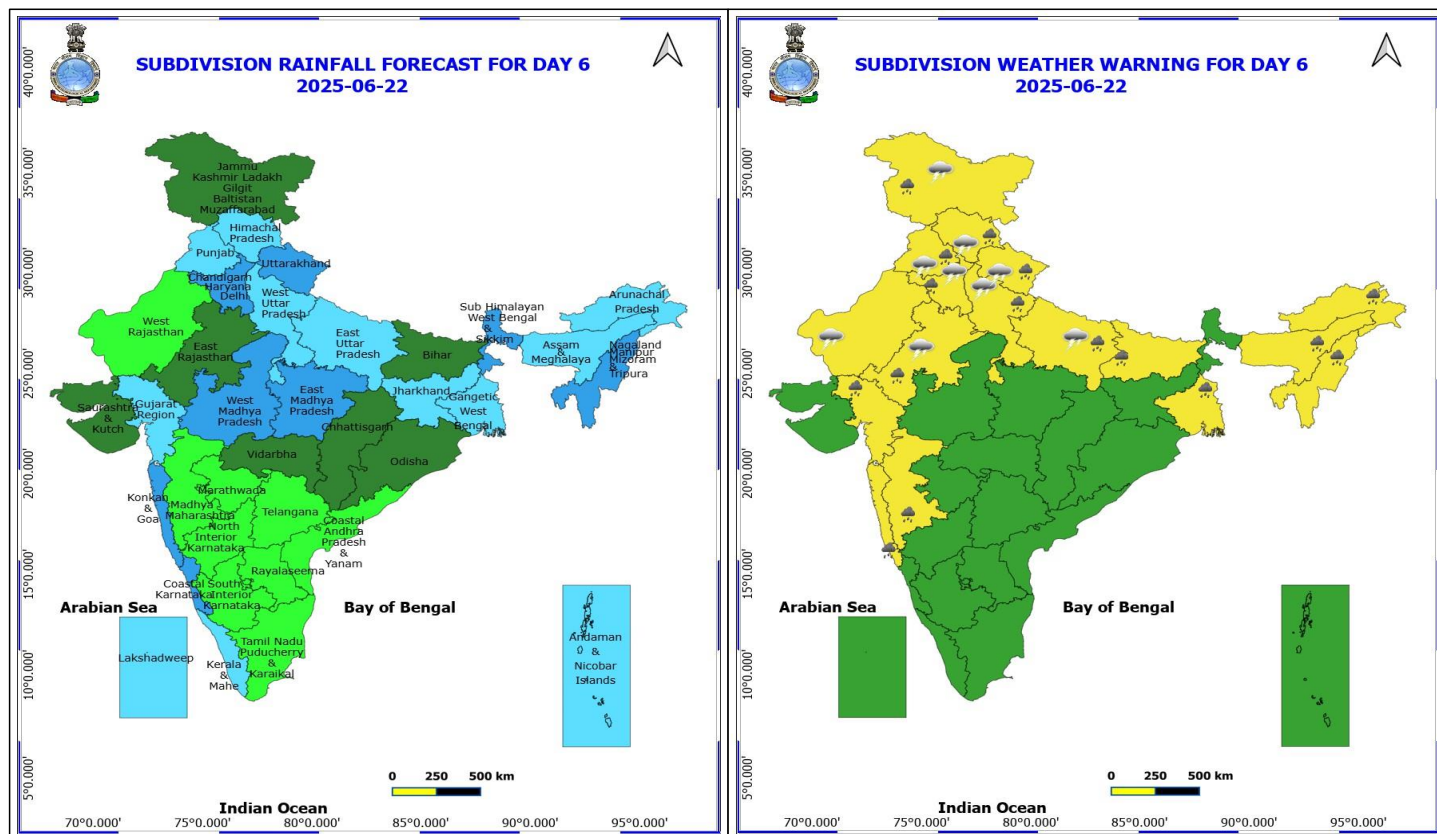
- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over East Uttar Pradesh.
- ❖ **Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Bihar, East Rajasthan, Gujarat Region, Haryana, Chandigarh & Delhi, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Konkarn & Goa, Madhya Maharashtra, Nagaland, Manipur, Mizoram and Tripura, Uttarakhand and West Uttar Pradesh.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Haryana, Chandigarh & Delhi, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Punjab, Rajasthan, Uttar Pradesh and Uttarakhand.
- ❖ **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, northern 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, Konkarn coasts, over most parts of central Arabian Sea and adjoining parts of southwest Arabian Sea, over most parts of northeast Arabian Sea, over many parts of central Bay of Bengal. **Squally weather with wind speed 45 - 55 kmph gusting to 65 kmph** likely to prevail over western parts of eastcentral Arabian Sea & adjoining westcentral Arabian Sea, some parts of central Bay of Bengal. Fishermen are advised not to venture these areas.

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22 June (Day 6)

❖ **Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Bihar, East Rajasthan, Gangetic West Bengal, Gujarat Region, Haryana, Chandigarh & Delhi, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Konkan & Goa, Madhya Maharashtra, Nagaland, Manipur, Mizoram and Tripura, Punjab, Uttar Pradesh and Uttarakhand.

❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Haryana, Chandigarh & Delhi, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Punjab, Rajasthan, Uttar Pradesh and Uttarakhand.

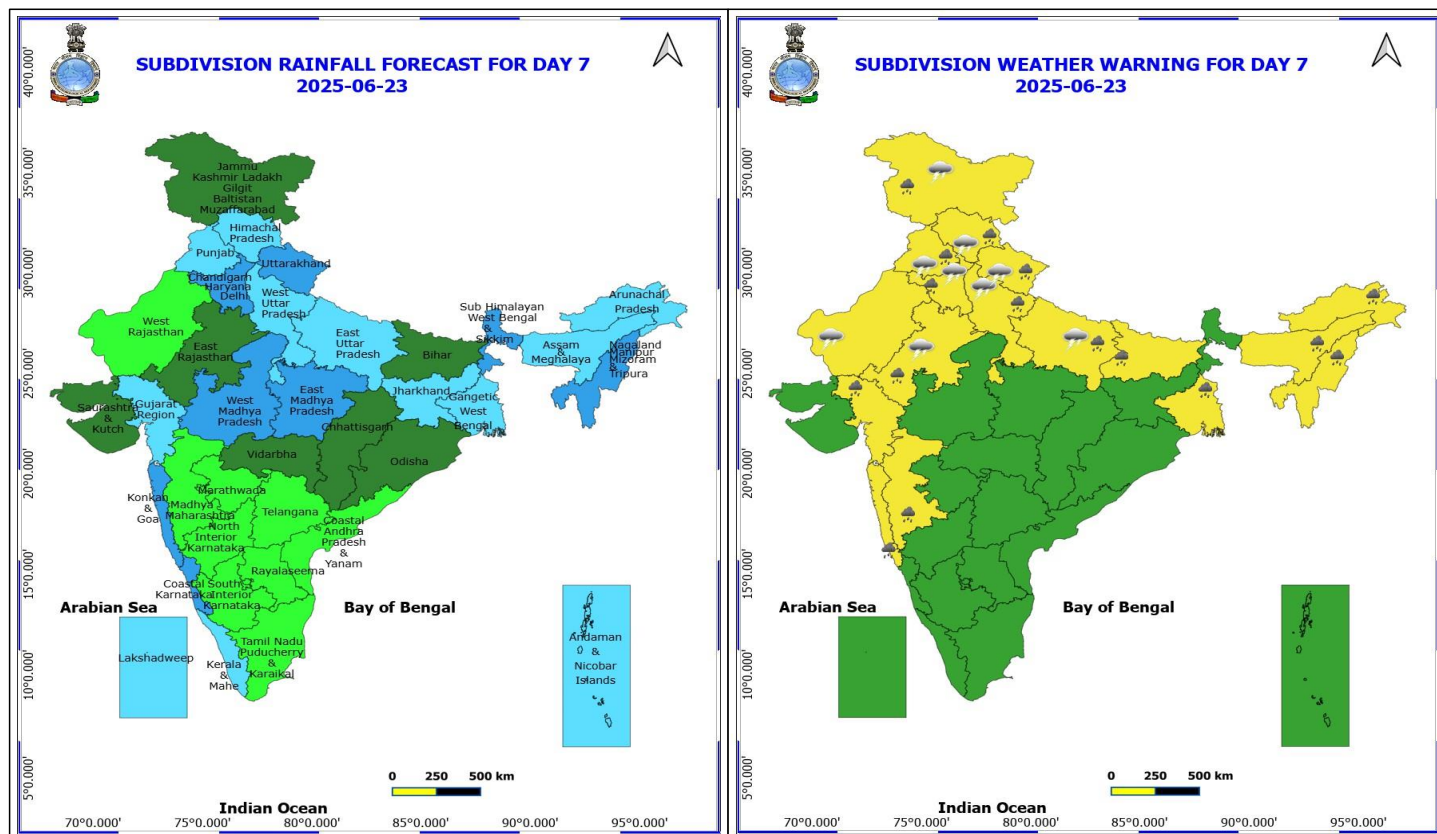
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23 June (Day 7)

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

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Table-1

7 Days Rainfall Forecast

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

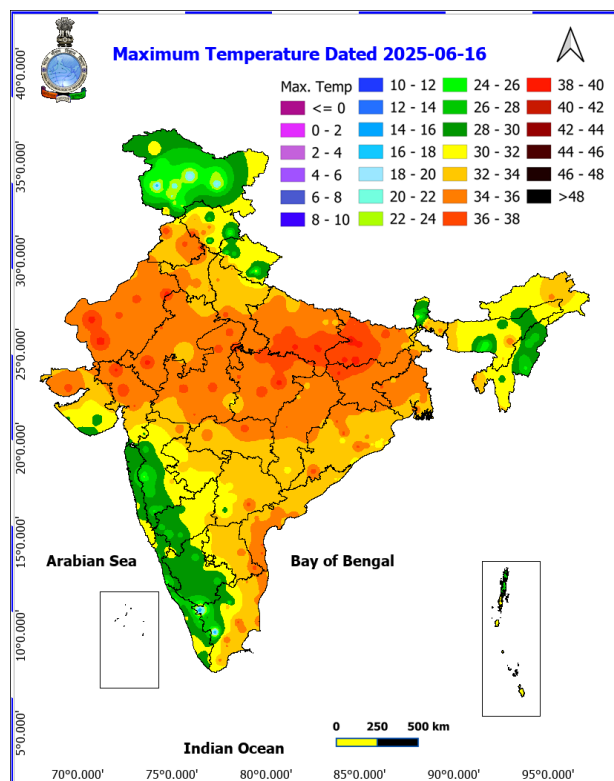


Fig. 2: Departure of Maximum Temp. Dated 2025-06-17

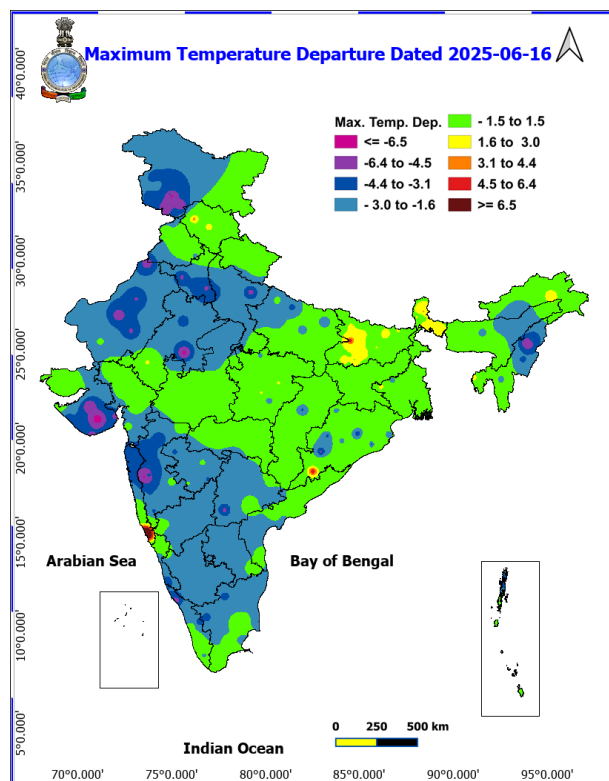


Fig. 3: Minimum Temperatures Dated 2025-06-17

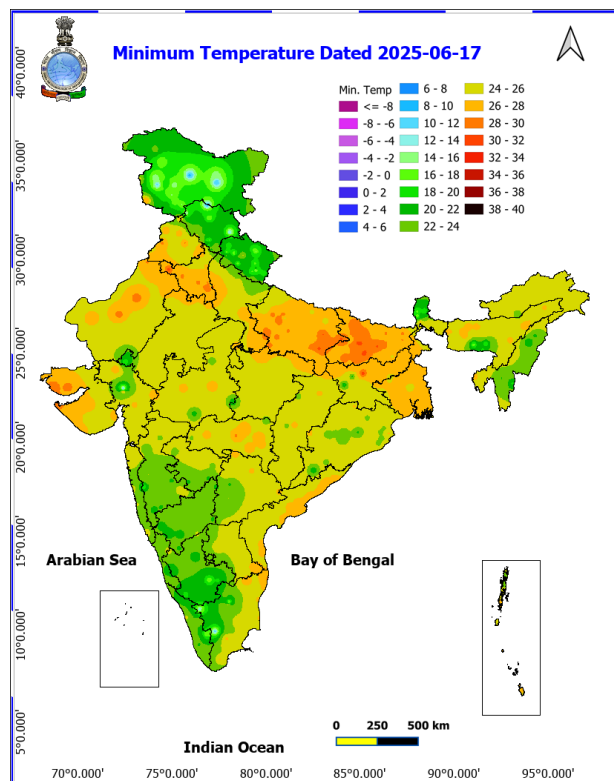
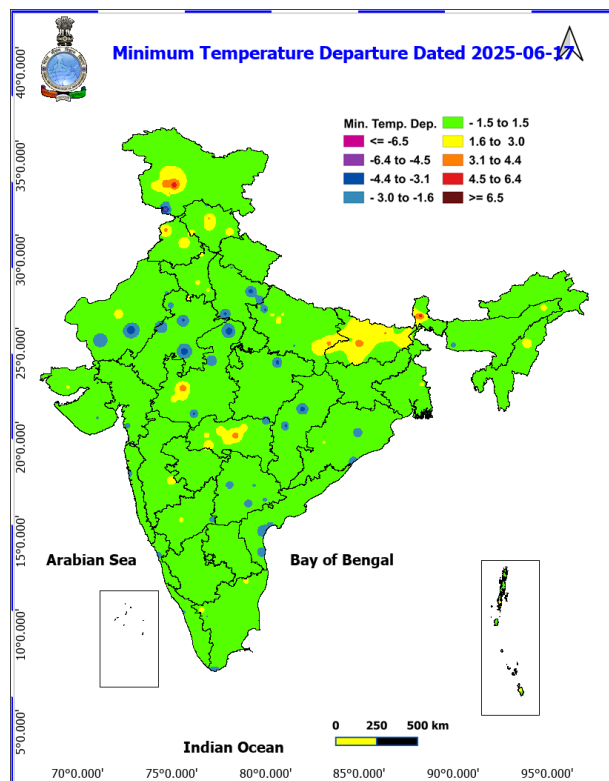
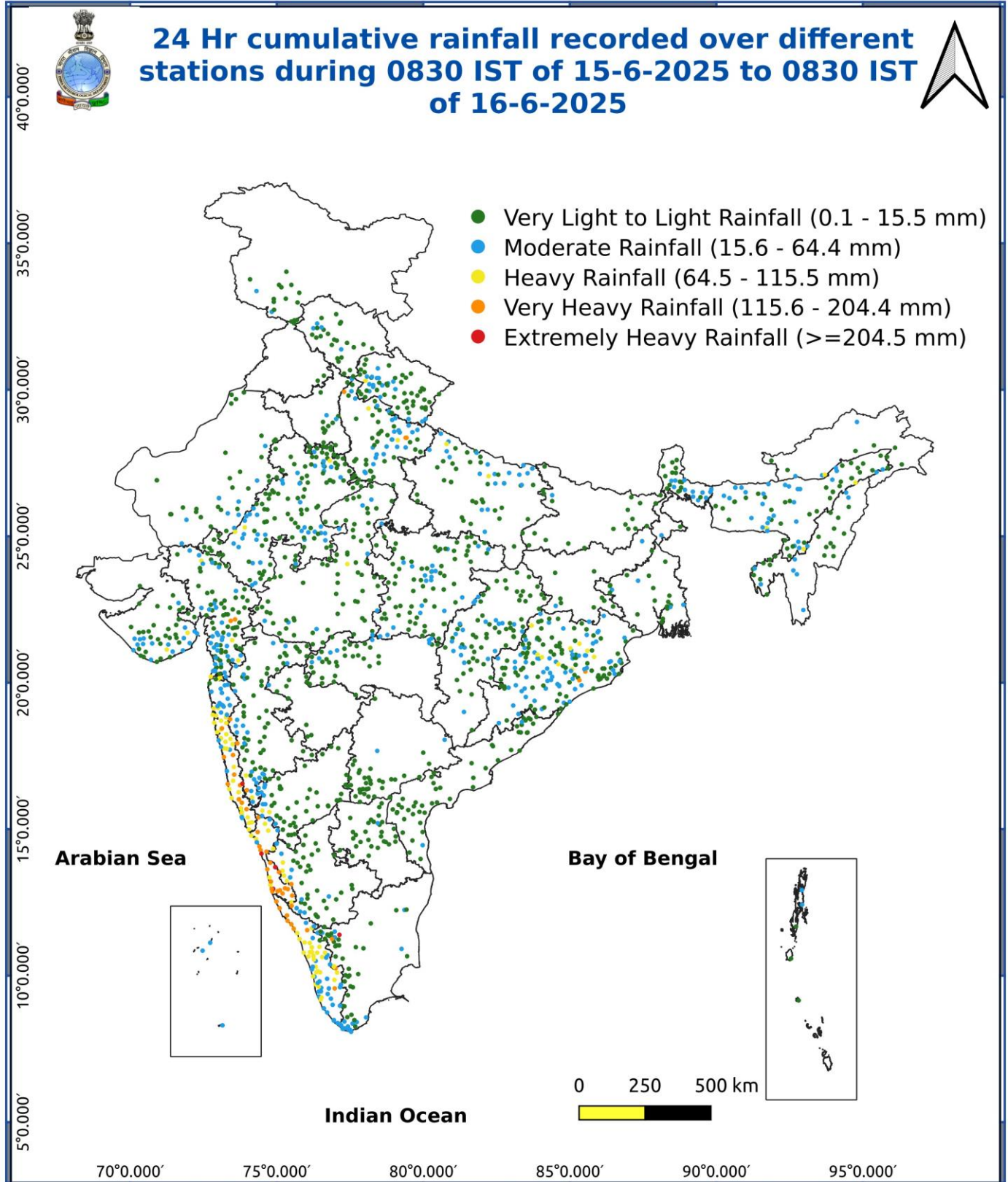


Fig. 4: Departure of Minimum Temp. Dated 2025-06-17





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Impact & suggested due to Extremely and heavy to very heavy rainfall over

Extremely heavy rainfall (>20 cm/24 hours) likely at isolated places over Saurashtra & Kutch on 17th June.

Isolated **very heavy rainfall** over East Madhya Pradesh on 19th & 20th; Chhattisgarh, Gangetic West Bengal on 17th & 18th; Bihar, Sub-Himalayan West Bengal & Sikkim, Jharkhand on 18th & 19th; Odisha on 17th-18th; Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura during 17th-20th; East Uttar Pradesh during 19th-21st 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.

Impact & suggested expected due to isolated thunderstorm with lightning/gusty & Squally winds & Hailstorm over

Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph) at isolated places over Madhya Pradesh, Jharkhand, Bihar, Rajasthan on 17th June.

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.

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- 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. Undertake propping in banana to protect the plants from heavy rains.
- In **Tamil Nadu**, postpone nursery sowing / transplanting of rice and sowing of sorghum andumbu. 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.
- 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 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 **South Gujrat**, postpone sowing of soybean and rice nursery. Ensure proper drainage facilities in already sown rice nurseries, soybean and also in banana plantations to prevent water logging. Provide support to sugarcane and banana to prevent lodging.
- In **North Odisha**, ensure proper drainage to drain out excess water from rice nurseries, maize and vegetables to prevent water logging. Postpone sowing of millets, maize, pulses and vegetables during heavy rain. Cover rice and vegetable nursery with plastic sheets to prevent washing away seeds.
- 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**, ensure proper drainage in already sown crops of pigeon pea, millets and soybean.
- 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.

Flash Flood Guidance

24 hours Outlook for the Flash Flood Risk (FFR) till 0530 IST of 18-06-2025 :

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, Nalbari, East Garo Hills, Jaintia Hills, East Khasi Hills, , West Garo Hills, West Khasi Hills and Jaintia Hills districts.

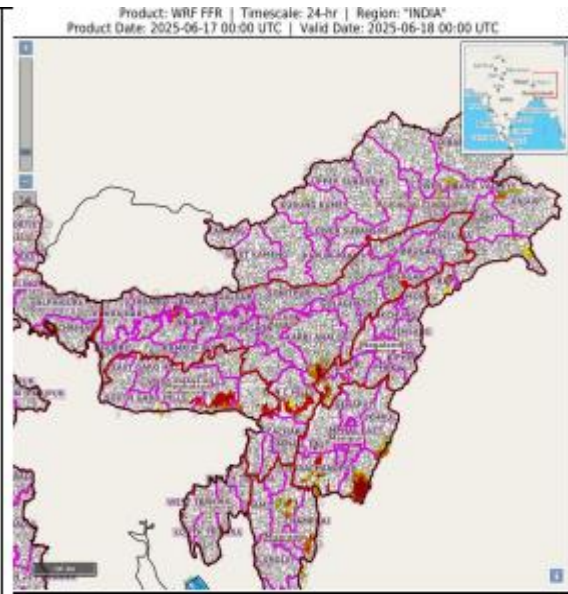
Nagaland Mizoram Manipur Tripura (NMMT)

Manipur – Bishnupur, Chandel, Churachandpur, Imphal East, Senapati, Tamenglong, Thoubal, Ukhrul;

Mizoram – Aizawl, Champhai, Lawngtlai, Lunglei, Serchhip;

Nagaland – Dimapur, Kohima, Longleng, Mokokchung, Mon, Peren, Phek, Tuensang, Wokha and Zunheboto district

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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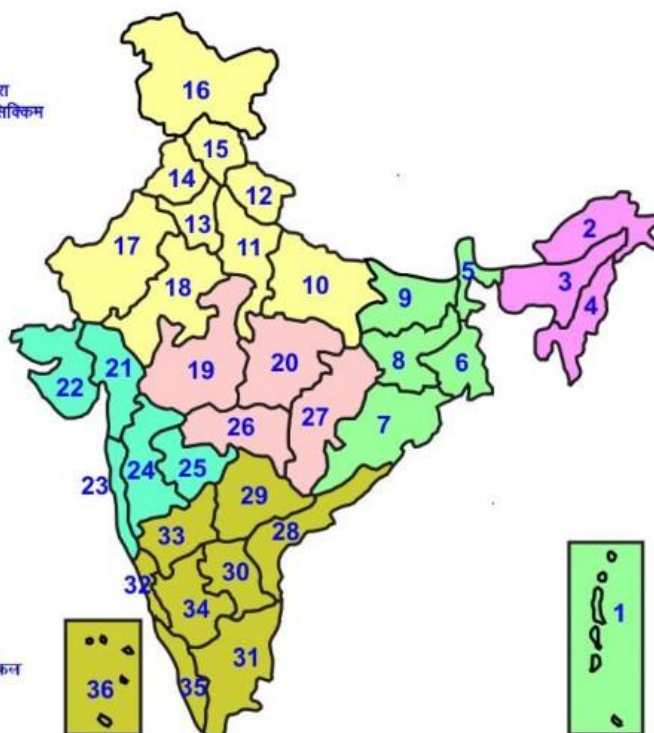
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LEGENDS

- 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. Marathwada
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)

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