

2026-06-14

Time of Issue: 13:49:00 hours IST
(Mid-Day)

ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

Significant Weather Features

Advance of Southwest Monsoon 2026:

- The **Northern Limit of Monsoon** continues to pass through 18°N/60°E, 18°N/65°E, 18°N/70°E, Harnai, Solapur, Hyderabad, Bhadradi Kothagudem, Kalingapatnam, Paradeep, Baripada, Purulia, Dhanbad, Muzaffarpur and 28.3°N/83°E as on 13th June, 2026.
- **Conditions are favourable** for further advance of southwest monsoon into more parts of Maharashtra, remaining parts of Karnataka, Telangana, Andhra Pradesh, West Bengal, some more parts of Odisha, Jharkhand, Bihar and some parts of South Chhattisgarh during next 4-5 days.

Weather Forecast and Warnings:

Northwest India:

- **Isolated to Scattered** rainfall likely over Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and Uttarakhand during 14th-20th June.
- **Isolated to Scattered** rainfall likely over East Rajasthan, Haryana Chandigarh & Delhi, Punjab and West Uttar Pradesh during 14th-20th June; East Uttar Pradesh during 18th-20th June; West Rajasthan during 14th-17th June and during 19th-20th June.
- **Isolated thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Himachal Pradesh and Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 14th-15th June and during 18th-20th June; Uttarakhand during 14th-15th June, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Himachal Pradesh during 16th-17th June.
- **Isolated thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Punjab on 15th June and during 19th-20th June; Haryana Chandigarh & Delhi and West Uttar Pradesh during 14th-15th June; West Rajasthan during 16th-17th June and during 19th-20th June; East Rajasthan during 16th-20th June.
- **Thundersquall (wind speed reaching 60-70 kmph gusting to 80 kmph)** likely over East Rajasthan and West Rajasthan on 15th June.
- **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over East Uttar Pradesh during 14th-15th June; East Rajasthan and West Rajasthan on 14th June.
- **Duststorm** activity likely over West Rajasthan during 14th-15th June.

Central India:

- **Isolated to Scattered** rainfall likely over Chhattisgarh, East Madhya Pradesh, Vidarbha and West Madhya Pradesh during 14th-20th June.
- **Isolated thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over West Madhya Pradesh during 16th-19th June; East Madhya Pradesh during 15th-19th June; Chhattisgarh and Vidarbha during 14th-19th June.
- **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over West Madhya Pradesh during 14th-15th June; East Madhya Pradesh on 14th June.
- **Duststorm** activity likely over West Madhya Pradesh on 14th June.

East India:

- **Fairly Widespread to Widespread** rainfall likely over Andaman & Nicobar Islands and Sub-Himalayan West Bengal & Sikkim during 14th-20th June; Gangetic West Bengal during 17th-20th June.
- **Isolated to Scattered** rainfall likely over Gangetic West Bengal during 14th-16th June; Bihar, Jharkhand and Odisha during 14th-20th June.
- **Isolated thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Andaman & Nicobar Islands on 15th June; Gangetic West Bengal, Jharkhand and Sub-Himalayan West

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Bengal & Sikkim during 14th-20th June; Bihar during 14th-15th June and during 17th-18th June; Odisha on 16th June and during 18th-20th June.

- Isolated **heavy rainfall** likely over Sub-Himalayan West Bengal & Sikkim during 14th-15th June and on 20th June; Gangetic West Bengal and Odisha on 14th June; Bihar on 16th June with isolated **very heavy rainfall** also likely over Sub-Himalayan West Bengal & Sikkim during 16th-19th June.
- **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Andaman & Nicobar Islands on 14th June; Bihar on 16th June and during 19th-20th June; Odisha during 14th-15th June and on 17th June.

Northeast India:

- **Fairly Widespread to Widespread** rainfall likely over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 14th-20th June.
- Isolated **thunderstorm & lightning** likely over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 14th-17th June.
- Isolated **heavy rainfall** likely over Arunachal Pradesh during 15th-16th June and during 19th-20th June; Assam & Meghalaya during 14th-16th June and on 20th June; Nagaland, Manipur, Mizoram & Tripura during 14th-15th June with isolated **very heavy rainfall** also likely over Arunachal Pradesh during 17th-18th June; Assam & Meghalaya during 17th-19th June.

West India:

- **Isolated to Scattered** rainfall likely over Gujarat Region, Konkan & Goa, Madhya Maharashtra and Marathawada during 14th-20th June; Saurashtra & Kutch during 16th-20th June.
- Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Konkan & Goa on 14th June and on 16th June; Madhya Maharashtra during 14th-18th June; Marathawada on 14th June and during 16th-18th June.

South Peninsular India:

- **Isolated to Scattered** rainfall likely over Coastal Andhra Pradesh & Yanam, Rayalaseema and Tamil Nadu, Puducherry & Karaikal during 14th-20th June; Lakshadweep during 15th-18th June; North Interior Karnataka during 14th-17th June and during 19th-20th June; South Interior Karnataka during 14th-16th June; Telangana during 14th-17th June.
- **Fairly Widespread to Widespread** rainfall likely over Coastal Karnataka and Kerala & Mahe during 14th-20th June; Lakshadweep on 14th June and during 19th-20th June; North Interior Karnataka on 18th June; South Interior Karnataka during 17th-20th June; Telangana during 18th-20th June.
- Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Tamil Nadu, Puducherry & Karaikal during 14th-18th June; Coastal Andhra Pradesh & Yanam, North Interior Karnataka and Rayalaseema on 14th June; Telangana during 17th-20th June, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Coastal Karnataka and Kerala & Mahe on 14th June; South Interior Karnataka and Telangana during 14th-16th June; Coastal Andhra Pradesh & Yanam and Rayalaseema during 15th-18th June.
- Isolated **heavy rainfall** likely over Tamil Nadu, Puducherry & Karaikal during 16th-17th June; Kerala & Mahe on 14th June; Coastal Karnataka and North Interior Karnataka during 17th-18th June; South Interior Karnataka during 16th-18th June; Telangana during 18th-20th June.
- **Strong Surface Winds** likely over Kerala & Mahe on 14th June; Rayalaseema during 14th-18th June.

Forecast of maximum/day temperatures:

- Gradual rise in maximum temperatures likely over Northwest India by 4-6°C till 18th and thereafter no significant change.
- Gradual rise in maximum temperatures likely over Central India till 16th June and thereafter no significant change.
- No significant change in maximum temperatures likely over Maharashtra till 18th June and thereafter gradual fall by 2-3°C during 19th - 20th June.

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- No significant change in maximum temperatures likely over the rest parts of country till 19th June 2026.

Heat Wave, Hot & Humid weather conditions warning:

- **Heat wave** conditions very likely in isolated pockets over Marathawada during 14th-17th June; Vidarbha during 14th-16th June.
- **Hot and humid** weather conditions likely to prevail over Konkan & Goa and Madhya Maharashtra during 14th-17th June.
- **Warm Night** conditions very likely to prevail in isolated pockets over Konkan & Goa during 14th-16th June.

Fisherman Warning:

Fishermen are advised not to venture into the following areas during 14th June to 19th June, 2026:

- **Bay of Bengal:** Over Gulf of Mannar, Comorin, Sri Lanka coasts, over many parts of south Bay of Bengal during 14th to 19th June; over southwest Bay of Bengal on 14th, south Myanmar coasts adjoining eastcentral & northeast Bay of Bengal during 14th to 16th June. along and off Odisha coasts adjoining northwest Bay of Bengal and Andaman Sea during 14th to 17th June.
- **Arabian Sea:** Along and off Somalia adjoining some parts of southwest & westcentral Arabian Sea; along and off Oman coast adjoining northwest Arabian Sea during 14th to 19th June & adjoining northeast Arabian sea during 16th to 19th June.

Main Weather Observations:

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

❖ **Significant rainfall recorded(in cm)** (from 0830 hours IST of yesterday to 0830 hours IST of today): **Nagaland, Manipur, Mizoram & Tripura:** Amarpur (dist Gomati) 12; Kvk Dhalai (dist Dhalai), Amarpur ARG (dist Gomati) 9 Each; Serchip AWS (dist Serchhip), Tamenglong (dist Tamenglong), Kvk South (dist South Tripura) 6 Each; **Assam & Meghalaya:** Mawsynram (dist East Khasi Hills), Cherrapunji (dist East Khasi Hills) 10 Each; Shella (dist East Khasi Hills), Cherrapunji(rkm) (dist East Khasi Hills), Khliehriat (dist East Jaintia Hills) 9 Each; Gossaigaon AWS (dist Kokrajhar) 8; Mawkyrwat (dist South West Khasi Hills) 7; B P Ghat (dist Sribhumi) 6; **Telangana:** Kondapur (dist Sangareddy) 10; Mominpet (dist Vikarabad) 7; Bomraspeta (dist Vikarabad), Nawabpet (dist Vikarabad) 6 Each; **Sub Himalayan West Bengal & Sikkim:** Falakata (dist Alipurduar) 9; Mathabhanga (dist Cooch Behar), Gopalpur Tea Estate (dist Alipurduar) 7 Each; Moraghat Tea Estate (dist Jalpaiguri), Siliguri PTO (dist Darjeeling) 6 Each; **Coastal Karnataka:** Brahmavar AWS (dist Udupi) 8; Udupi (dist Udupi), Kundapur (dist Udupi) 6 Each; **Gangetic West Bengal:** Labpur (dist Birbhum), Salar (dist Murshidabad) 8 Each; **Bihar:** Sasaram (dist Rohtas) 8; Galgalia (dist Kishanganj), Dehri (dist Rohtas) 7 Each; Sheosagar (dist Rohtas) 6; **Kerala & Mahe:** Angadipuram (dist Malappuram) 7; **East Uttar Pradesh:** Dalmau CWC (dist Rae Bareilly) 7; **Arunachal Pradesh:** Tezu (dist Lohit) 6; **Odisha:** Nawana (dist Mayurbhanj), Naugaon (dist Jagatsinghpur), Rasagovindapur (dist Mayurbhanj) 6 Each.

❖ **Heavy to Very heavy rainfall (12-20 cm)** has been recorded at isolated places over Bihar and Tripura.

❖ **Heavy rainfall (7-11 cm)** has been recorded at isolated places over West Bengal, East Uttar Pradesh, Odisha, Meghalaya, Telangana, Rayalaseema and Kerala.

❖ **T-hunderstorm accompanied with Squally/Gusty winds with speed reaching 60-90 kmph** prevailed at isolated places over Odisha, West Madhya Pradesh, Jharkhand, Marathawada, Bihar, Andaman & Nicobar Islands **with speed reaching 40-60 kmph** at isolated places over Punjab, East Uttar Pradesh, Chhattisgarh, Gangetic West Bengal, East Madhya Pradesh, Madhya Maharashtra, East Rajasthan, Konkan & Goa, Gujarat Region and Kutch.

❖ **Hailstorm** occurred at isolated places over East Rajasthan.

❖ **Minimum Temperature Departures (as on 14-06-2026): markedly above normal(> 5.1°C)** at few places over East Rajasthan and East Madhya Pradesh; at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Odisha, Bihar, West Uttar Pradesh, West Madhya Pradesh, Gujarat Region, Saurashtra & Kutch and Konkan & Goa. **appreciably above normal(3.1°C to 5.0°C)** at many places over Lakshadweep; at few places over Sub Himalayan West Bengal & Sikkim, Konkan & Goa and Coastal Karnataka; at isolated places over Assam & Meghalaya, Gangetic West Bengal, Odisha, East Uttar Pradesh, Himachal Pradesh, West Rajasthan, West Madhya Pradesh, East Madhya Pradesh, Marathwada, Vidarbha, Chhattisgarh, Coastal Andhra Pradesh & Yanam and Tamil Nadu, Puducherry & Karaikal. **above normal(1.6°C to 3.0°C)** at many places over Madhya Maharashtra; at few places over Andaman & Nicobar Islands, Bihar, Gujarat Region, Marathwada, Coastal Karnataka and Lakshadweep; at isolated places over Assam & Meghalaya, Gangetic West Bengal, Odisha, East Uttar Pradesh, West Rajasthan, West Madhya Pradesh, Saurashtra & Kutch, Konkan & Goa, Vidarbha, Coastal Andhra Pradesh & Yanam, Telangana, Tamil Nadu, Puducherry & Karaikal, North Interior Karnataka and South Interior Karnataka. **near normal(-1.5°C to 1.5°C)** at many places over Andaman & Nicobar Islands, Sub Himalayan West Bengal & Sikkim, Gangetic West Bengal, Odisha, Jharkhand, West Rajasthan, Gujarat Region, Saurashtra & Kutch, Chhattisgarh, Coastal Andhra Pradesh & Yanam, North Interior Karnataka and South Interior Karnataka; at most places over Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe; at few places over Assam & Meghalaya, Bihar, West Uttar Pradesh, Uttarakhand, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, East Rajasthan, East Madhya Pradesh, Madhya Maharashtra, Marathwada, Vidarbha, Telangana, Rayalaseema and

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Coastal Karnataka; at isolated places over East Uttar Pradesh, Haryana-Chandigarh-Delhi, West Madhya Pradesh and Konkan & Goa. **The lowest minimum temperature** of 17.0°C was reported at HALFLONG (ASSAM) over the Plains of India.

❖ **Maximum Temperatures (as on 13-06-2026)** were **appreciably above normal (3.1°C to 5.0°C)** at many places over Konkan & Goa and Madhya Maharashtra; at few places over Odisha, coastal and North Interior Karnataka; at isolated places over Assam & Meghalaya, Bihar, Saurashtra & Kutch. **above normal (1.6°C to 3.0°C)** at few places over Arunachal Pradesh, Sub Himalayan West Bengal & Sikkim, Gujarat Region, Kerala; at isolated places over Gangetic West Bengal, Jharkhand, South Interior Karnataka, Telangana. **markedly below normal (< -5.1°C)** at many places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan Muzaffarabad; at a few places over Punjab; at isolated places over Himachal Pradesh, Haryana Chandigarh-Delhi and Rajasthan; **appreciably below normal (-5.0°C to -3.1°C)** at a few places over Nagaland and Mizoram; at isolated places over Uttar Pradesh, Uttarakhand, Coastal Andhra Pradesh & Yanam; **below normal(-3.0°C to -1.6°C)** at a few places over East Madhya Pradesh, at isolated places over West Madhya Pradesh; Tamil Nadu, Puducherry & Karaikal, Andaman & Nicobar Islands. The highest maximum temperature of **41.9°C** was reported at **Bhavnagar (Gujarat)**.

Meteorological Analysis (Based on 0830 hours IST)

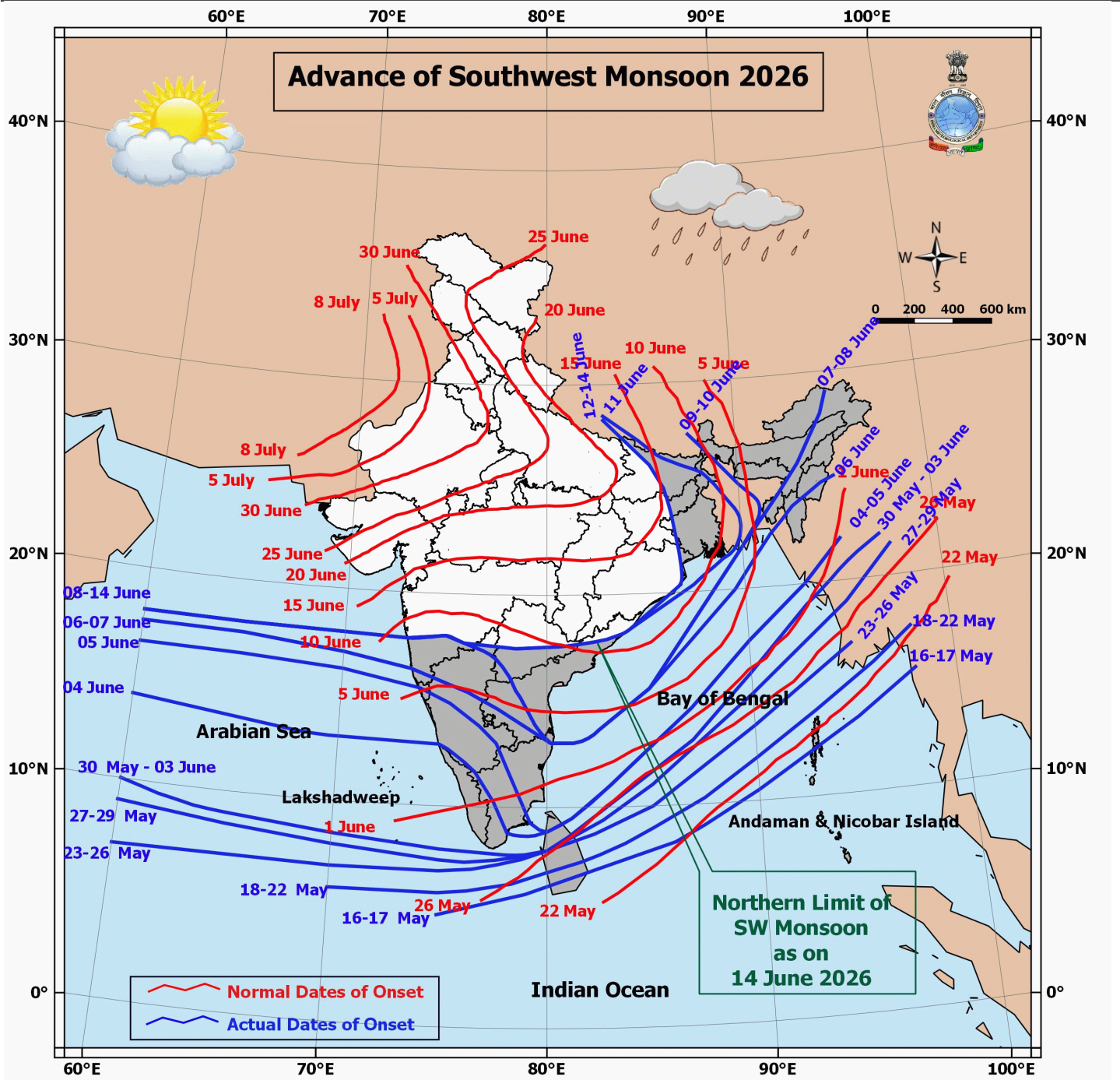
- The **Northern Limit of Monsoon** continues to pass through 18°N/60°E, 18°N/65°E, 18°N/70°E, Harnai, Solapur, Hyderabad, Bhadradi Kothagudem, Kalingapatnam, Paradeep, Baripada, Purulia, Dhanbad, Muzaffarpur and 28.3°N/83°E.
- **Conditions are favourable** for further advance of southwest monsoon into more parts of Maharashtra, remaining parts of Karnataka, Telangana, Andhra Pradesh, West Bengal, some more parts of Odisha, Jharkhand, Bihar and some parts of South Chhattisgarh during next 4-5 days.
- The **seasonal trough** at mean sea level now runs from West Rajasthan to Gangetic West Bengal across northeast Rajasthan, north Madhya Pradesh, south Uttar Pradesh, Bihar and Jharkhand.
- A **trough** in lower tropospheric westerlies runs roughly along Long. 87°E to the north of Lat. 22°N at 1.5 km above mean sea level.
- A **trough** runs from West central Bay of Bengal off south coastal Andhra Pradesh to south Tamil Nadu across southwest Bay of Bengal between 3.1 and 4.5km above mean sea level.
- A **trough** runs from central Uttar Pradesh to north Madhya Maharashtra across West Madhya Pradesh at 5.8 km above mean sea level.
- A **trough** in upper tropospheric westerlies with its axis at 12.6 km above mean sea level roughly along Long. 73°E to the north of Lat. 30°N.
- The **upper air cyclonic circulation** over East Assam & neighbourhood extending upto 1.5 km above mean sea level has become less marked.
- The **upper air cyclonic circulation** over north coastal Tamil Nadu at 3.1 km above mean sea level has become less marked.
- The **shear zone** around 11°N across the above cyclonic circulation over north coastal Tamil Nadu at 3.1 km above mean sea level has become less marked.
- The **upper air cyclonic circulation** over south Telangana & neighbourhood at 5.8 km above mean sea level has become less marked.
- The **Western Disturbance as cyclonic circulation** over Jammu & neighbourhood at 3.1 km above mean sea level with a trough aloft in middle tropospheric westerlies with its axis at 5.8 km above mean sea level roughly along Long. 75°E to the north of Lat. 28°N has become less marked.
- The **induced cyclonic circulation** over Haryana & neighbourhood extending upto 1.5 km above mean sea level has become less marked.
- The **upper air cyclonic circulation** over central Pakistan adjoining West Rajasthan extending upto 1.5 km above mean sea level has become less marked.

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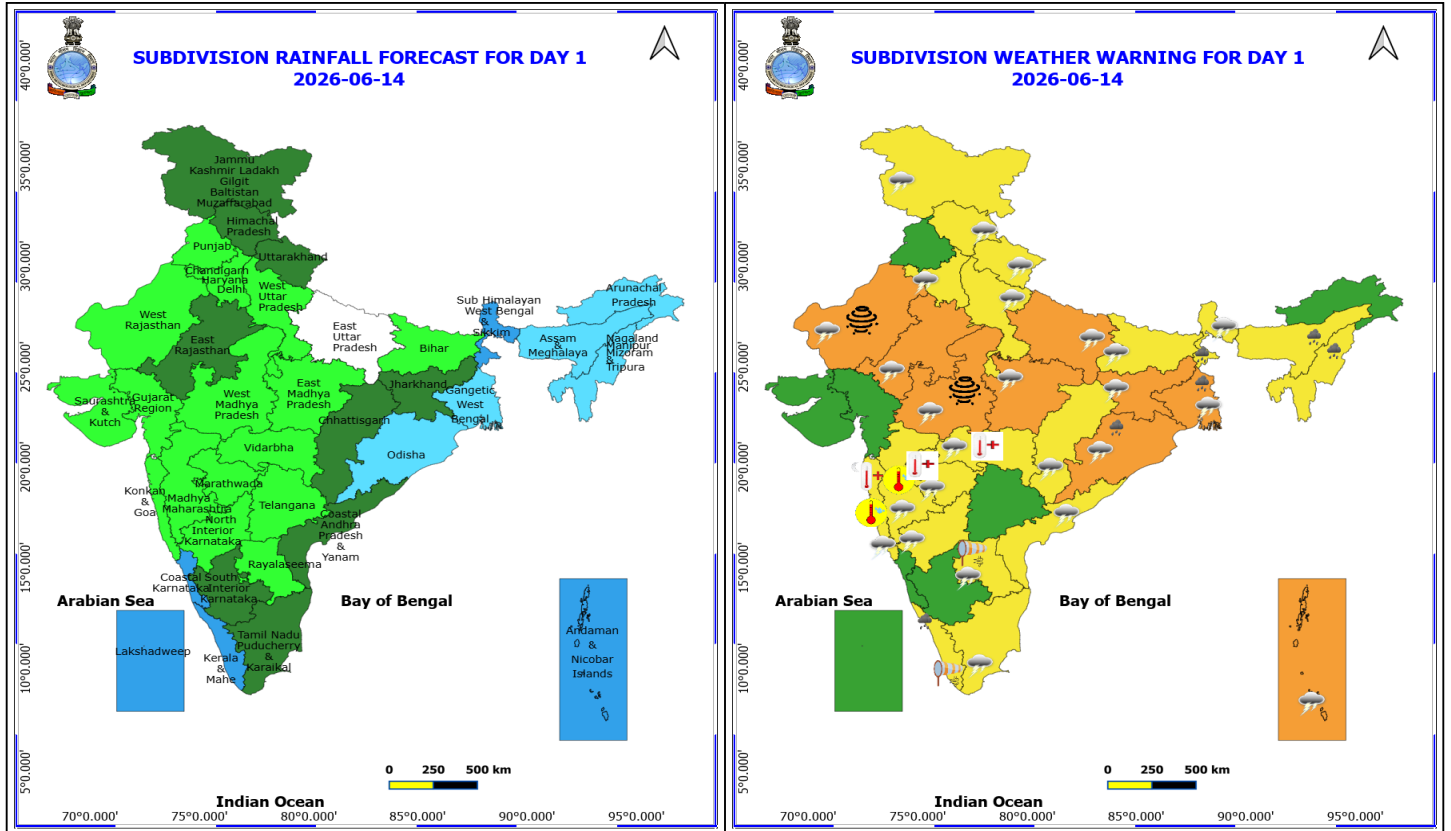
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14 June (Day 1)

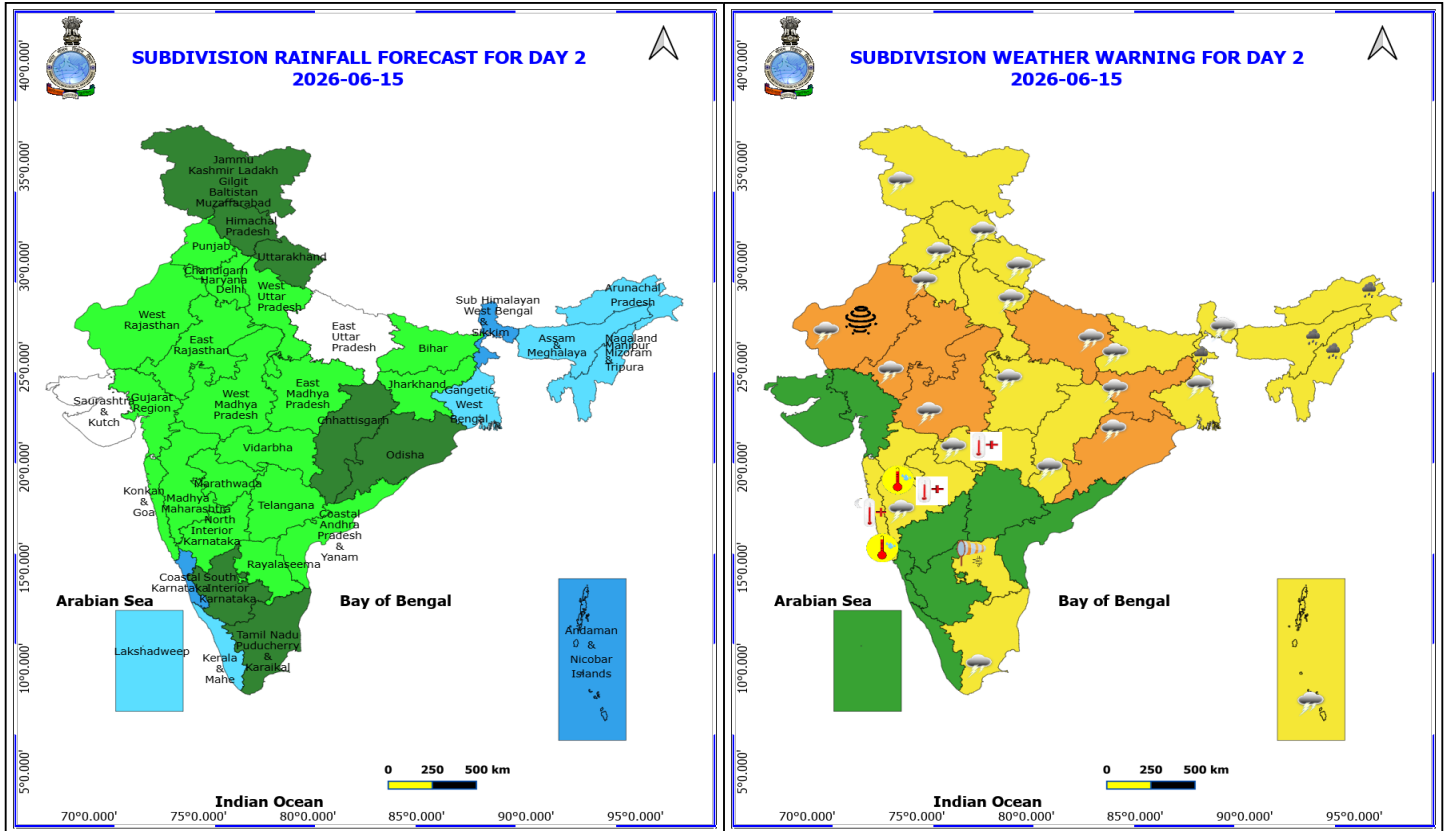
- ❖ **Heavy Rainfall** very likely at isolated places over Assam & Meghalaya, Kerala & Mahe, Nagaland, Manipur, Mizoram and Tripura, Odisha and West Bengal & Sikkim.
- ❖ **Thundersquall with wind speed reaching(50-60kmph)** very likely at isolated places over Andaman & Nicobar Islands, East Uttar Pradesh,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

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- ❖ Arabian Sea: Squally wind with speed 45-55 kmph gusting to 65 kmph is likely to prevail along and off Somalia, some parts of southwest & adjoining westcentral Arabian sea; along and off Oman coasts, some parts of northwest Arabian Sea.
- ❖ Bay of Bengal: Squally Weather with wind speed 40-50 kmph gusting to 60 kmph is likely to prevail over Gulf of Mannar, Comorin area, along and off Sri Lanka coasts; along and off Odisha coasts, many parts of southwest Bay of Bengal, south Myanmar adjoining northeast & eastcentral Bay of Bengal and north Andaman Sea.



15 June (Day 2)

- ❖ **Heavy Rainfall** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram and Tripura and Sub Himalayan West Bengal & Sikkim.
- ❖ **Thundersquall with wind speed reaching(60-70kmph) gusting to 80 kmph** very likely at isolated places over Rajasthan.
- ❖ **Thundersquall with wind speed reaching(50-60kmph)** very likely at isolated places over East Uttar Pradesh, Odisha and West Madhya Pradesh.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Andaman & Nicobar Islands, Bihar, Chhattisgarh, East Madhya Pradesh, Haryana, Chandigarh & Delhi, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Jharkhand, Madhya Maharashtra, Punjab, Tamil Nadu Puducherry & Karaikal, Uttarakhand, Vidarbha, West Bengal & Sikkim and West Uttar Pradesh.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Andhra Pradesh, South Interior Karnataka and Telangana.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram and Tripura.
- ❖ **Dust Storm** very likely at isolated places over West Rajasthan.
- ❖ **Strong Surface Winds** very likely at isolated places over Rayalaseema.
- ❖ **Heat Wave conditions** very likely at isolated places over Marathwada and Vidarbha.

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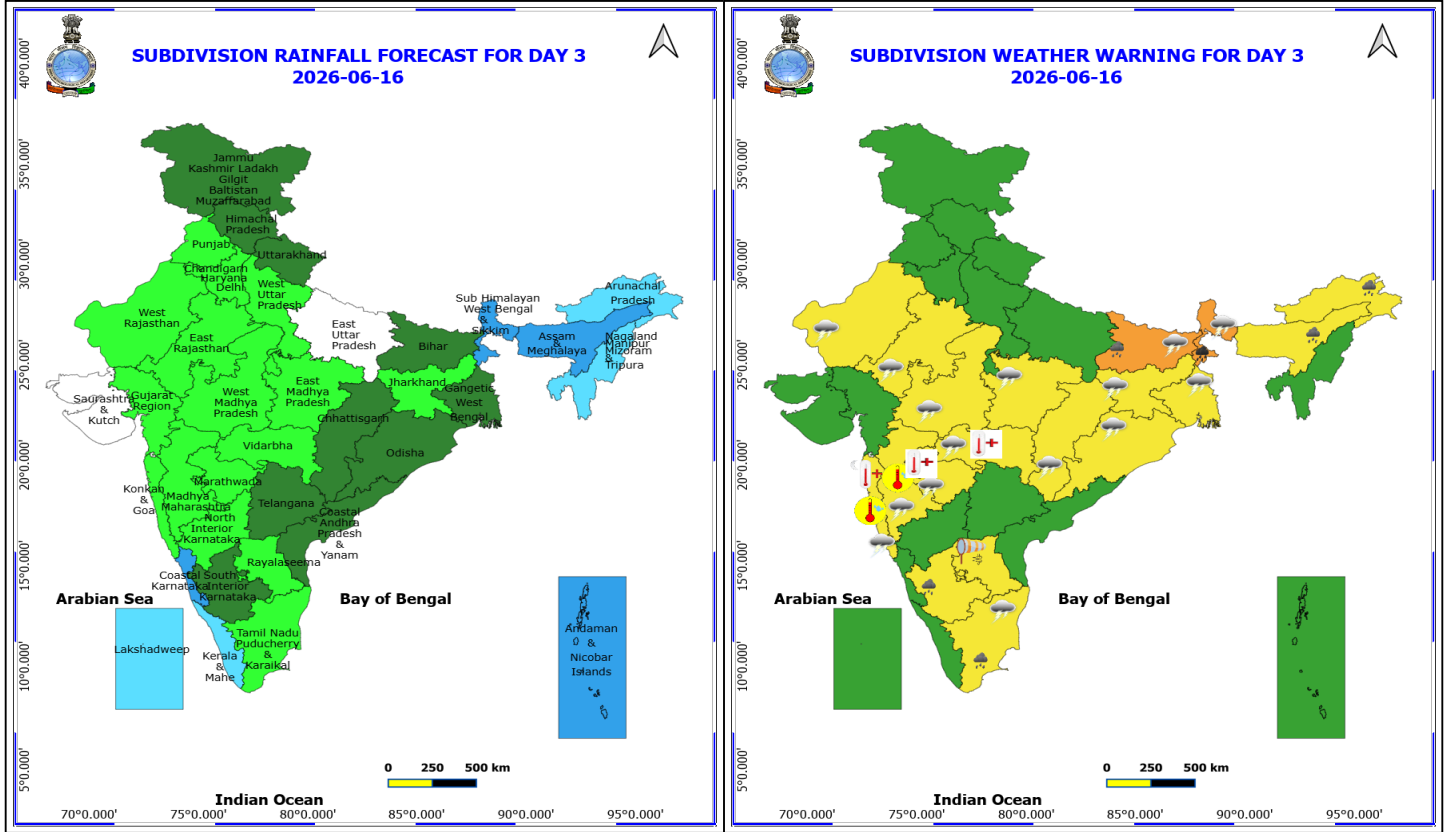


❖ **Hot and Humid weather** very likely at isolated places over Konkan & Goa and Madhya Maharashtra.

❖ **Warm Night conditions** very likely at isolated places over Konkan & Goa.

❖ Arabian Sea: Squally wind with speed 45-55 kmph gusting to 65 kmph is likely to prevail along and off Somalia, some parts of southwest & adjoining westcentral Arabian sea; along and off Oman coasts, some parts of northwest Arabian Sea.

❖ Bay of Bengal: Squally Weather with wind speed 40-50 kmph gusting to 60 kmph is likely to prevail over Gulf of Mannar, Comorin area, along and off Sri Lanka coasts; many parts of south Bay of Bengal, south Myanmar adjoining eastcentral Bay of Bengal and Andaman Sea.



16 June (Day 3)

- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Sub Himalayan West Bengal & Sikkim.
- ❖ **Heavy Rainfall** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Bihar, South Interior Karnataka and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thundersquall with wind speed reaching(50-60kmph)** very likely at isolated places over Bihar.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Chhattisgarh, Jharkhand, Konkan & Goa, Madhya Pradesh, Maharashtra, Odisha, Rajasthan, Tamil Nadu Puducherry & Karaikal and West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Andhra Pradesh, Himachal Pradesh, South Interior Karnataka and Telangana.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram and Tripura.
- ❖ **Strong Surface Winds** very likely at isolated places over Rayalaseema.
- ❖ **Heat Wave conditions** very likely at isolated places over Marathwada and Vidarbha.
- ❖ **Hot and Humid weather** very likely at isolated places over Konkan & Goa and Madhya Maharashtra.
- ❖ **Warm Night conditions** very likely at isolated places over Konkan & Goa.
- ❖ **Arabian Sea:** Squally wind with speed 45-55 kmph gusting to 65 kmph is likely to prevail along and off Somalia,

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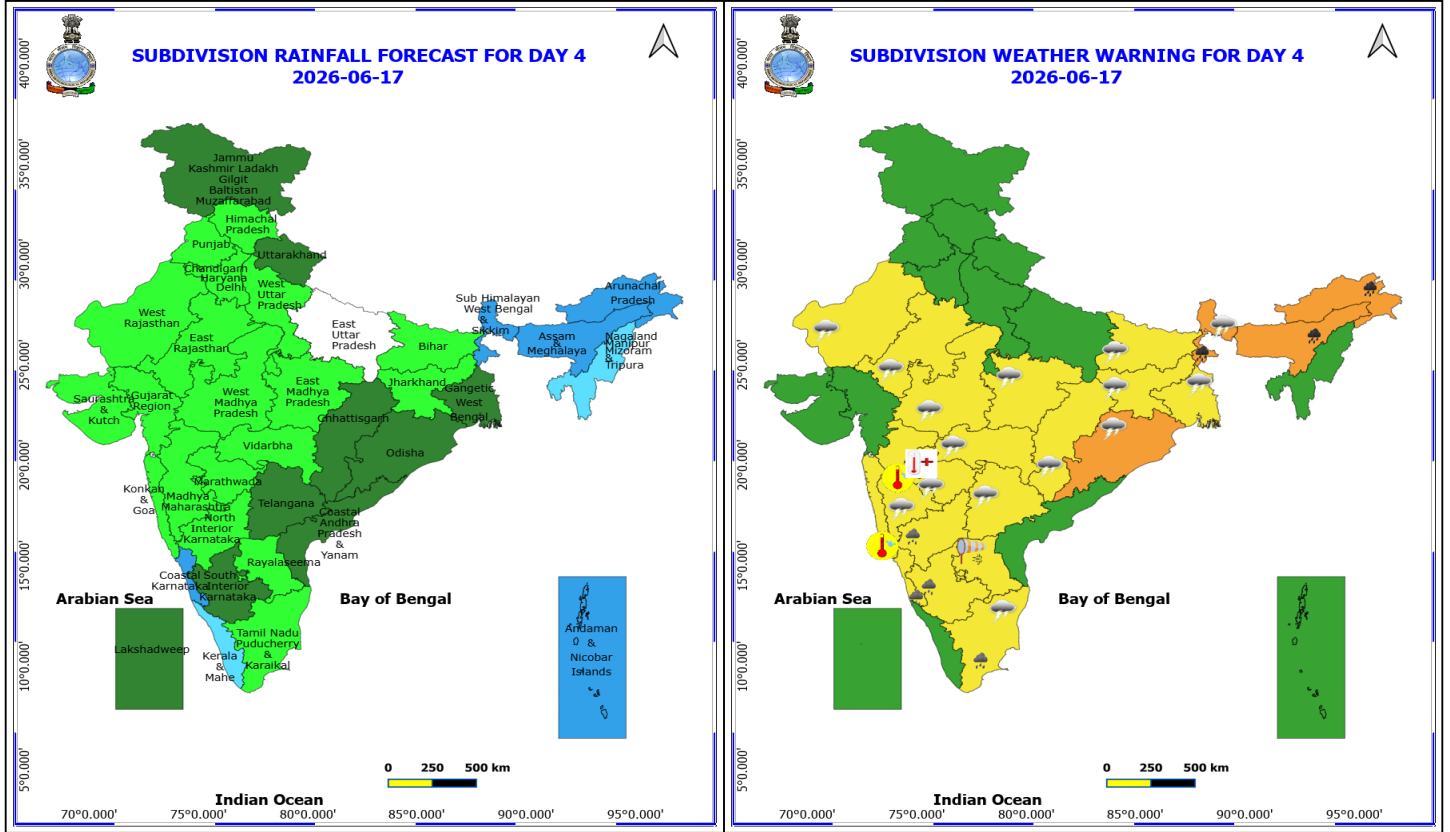
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some parts of southwest & adjoining westcentral Arabian sea; along and off Oman coasts, some parts of northwest adjoining northeast Arabian Sea.

❖ Bay of Bengal: Squally Weather with wind speed 40-50 kmph gusting to 60 kmph is likely to prevail over Gulf of Mannar, Comorin area, along and off Sri Lanka coasts; many parts of south Bay of Bengal and Andaman Sea.



17 June (Day 4)

- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya and Sub Himalayan West Bengal & Sikkim.
 - ❖ **Heavy Rainfall** likely at isolated places over Karnataka and Tamil Nadu Puducherry & Karaikal.
 - ❖ **Thundersquall with wind speed reaching(50-60kmph)** likely at isolated places over Odisha.
 - ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Bihar, Chhattisgarh, Jharkhand, Madhya Pradesh, Maharashtra, Rajasthan, Tamil Nadu Puducherry & Karaikal, Telangana and West Bengal & Sikkim.
 - ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Andhra Pradesh and Himachal Pradesh.
 - ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram and Tripura.
 - ❖ **Strong Surface Winds** likely at isolated places over Rayalaseema.
 - ❖ **Heat Wave conditions** likely at isolated places over Marathwada.
 - ❖ **Hot and Humid weather** likely at isolated places over Konkan & Goa and Madhya Maharashtra.
- ❖ **Arabian Sea:** Squally wind with speed 45-55 kmph gusting to 65 kmph is likely to prevail along and off Somalia, some parts of southwest & adjoining westcentral Arabian sea; along and off Oman coasts, some parts of northwest adjoining northeast Arabian Sea.

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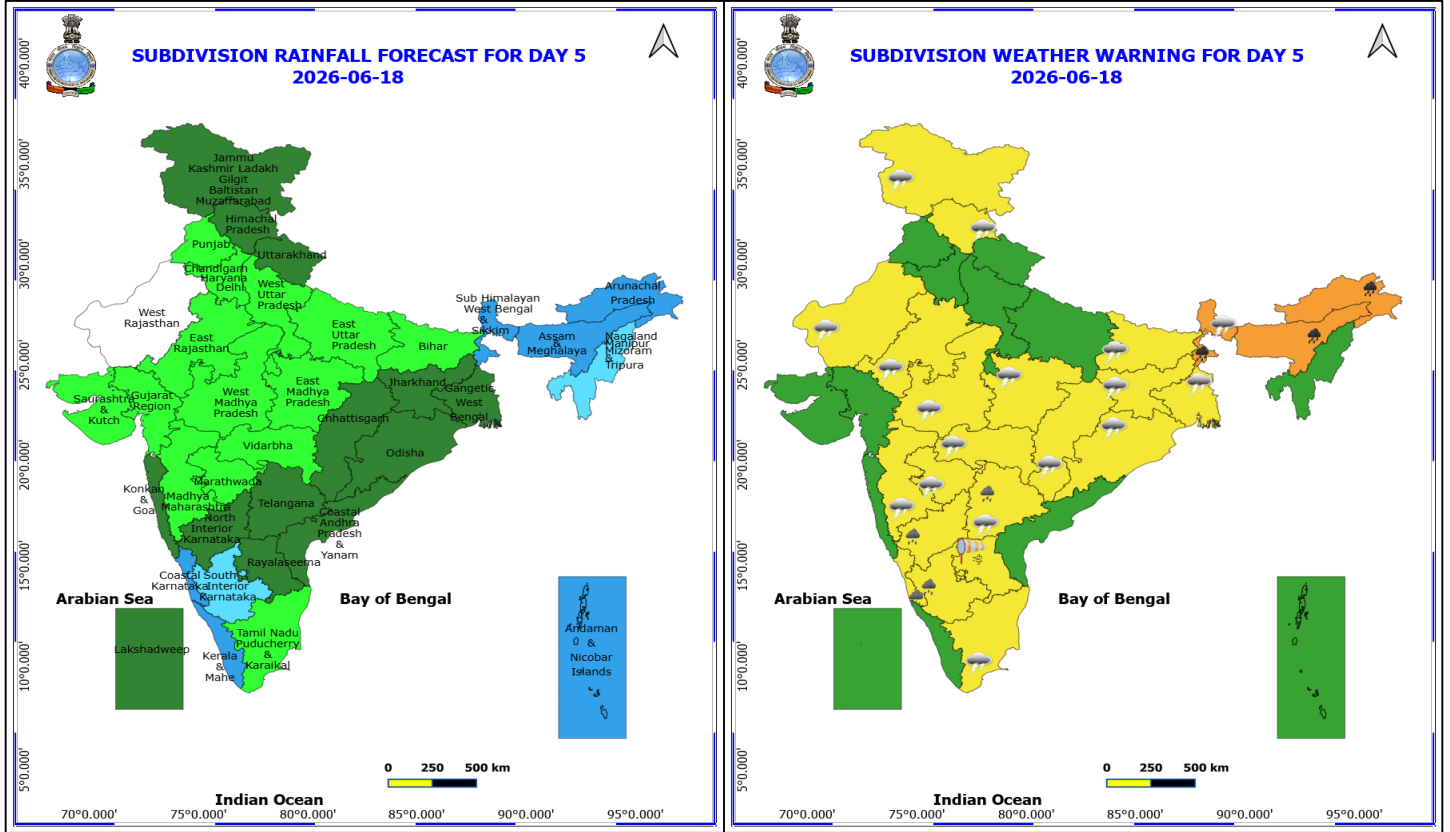
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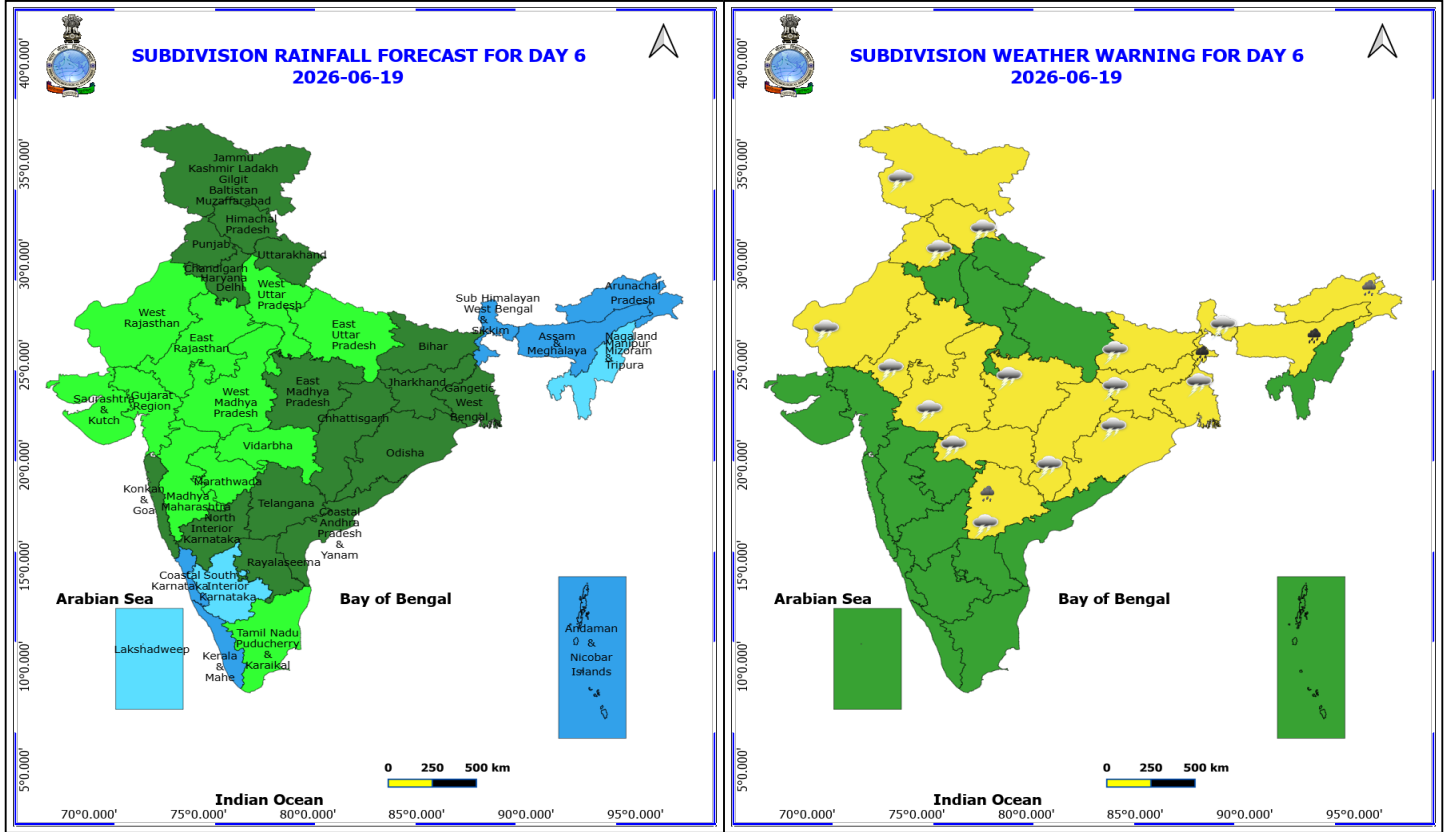
❖ Bay of Bengal: Squally Weather with wind speed 40-50 kmph gusting to 60 kmph is likely to prevail over Gulf of Mannar, Comorin area, along and off Sri Lanka coasts, off north Tamil Nadu coast, many parts of south Bay of Bengal.



18 June (Day 5)

- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya and Sub Himalayan West Bengal & Sikkim.
 - ❖ **Heavy Rainfall** likely at isolated places over Karnataka and Telangana.
 - ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Bihar, Chhattisgarh, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Jharkhand, Madhya Pradesh, Maharashtra, Odisha, Rajasthan, Tamil Nadu Puducherry & Karaikal, Telangana and West Bengal & Sikkim.
 - ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Andhra Pradesh.
 - ❖ **Strong Surface Winds** likely at isolated places over Rayalaseema.
-
- ❖ **Arabian Sea:** Squally wind with speed 45-55 kmph gusting to 65 kmph is likely to prevail along and off Somalia, some parts of southwest & adjoining westcentral Arabian sea; along and off Oman coasts, some parts of northwest adjoining northeast Arabian Sea.
 - ❖ **Bay of Bengal:** Squally Weather with wind speed 40-50 kmph gusting to 60 kmph is likely to prevail over Gulf of Mannar, Comorin area, along and off Sri Lanka coasts, off north Tamil Nadu coast, many parts of south Bay of Bengal.

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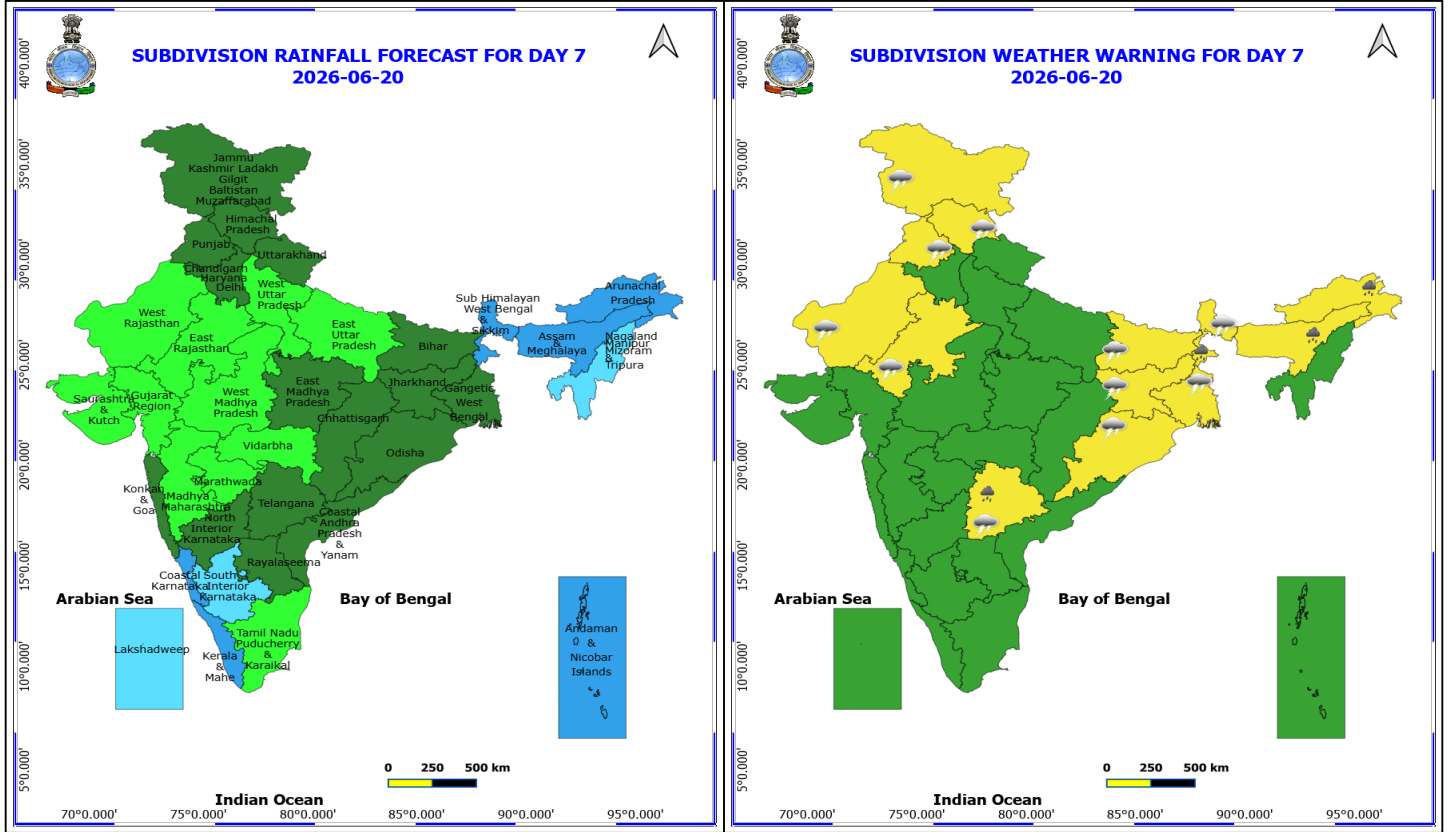
19 June (Day 6)

- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Assam & Meghalaya and Sub Himalayan West Bengal & Sikkim.
- ❖ **Heavy Rainfall** likely at isolated places over Arunachal Pradesh and Telangana.
- ❖ **Thundersquall with wind speed reaching(50-60kmph)** likely at isolated places over Bihar.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Chhattisgarh, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Jharkhand, Madhya Pradesh, Odisha, Punjab, Rajasthan, Telangana, Vidarbha and West Bengal & Sikkim.

No Fishermen Warning

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20 June (Day 7)

- ❖ **Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Sub Himalayan West Bengal & Sikkim and Telangana.
- ❖ **Thundersquall with wind speed reaching(50-60kmph)** likely at isolated places over Bihar.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Jharkhand, Odisha, Punjab, Rajasthan, Telangana and West Bengal & Sikkim.

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 | WS | WS | WS |
| 2 | ARUNACHAL PRADESH | FWS | FWS | FWS | WS | WS | WS | WS |
| 3 | ASSAM & MEHGHALAYA | FWS | FWS | WS | WS | WS | WS | WS |
| 4 | N. M. M. & T. | FWS | FWS | FWS | FWS | FWS | FWS | FWS |
| 5 | S.H. WEST BENGAL & SIKKIM | WS | WS | WS | WS | WS | WS | WS |
| 6 | GANGETIC WEST BENGAL | FWS | FWS | SCT | SCT | SCT | SCT | SCT |
| 7 | ODISHA | FWS | SCT | SCT | SCT | SCT | SCT | SCT |
| 8 | JHARKHAND | SCT | ISOL | ISOL | ISOL | SCT | SCT | SCT |
| 9 | BIHAR | ISOL | ISOL | SCT | ISOL | ISOL | SCT | SCT |
| 10 | EAST UTTAR PRADESH | DRY | DRY | DRY | DRY | ISOL | ISOL | ISOL |
| 11 | WEST UTTAR PRADESH | ISOL | ISOL | ISOL | ISOL | ISOL | ISOL | ISOL |
| 12 | UTTARAKHAND | SCT | SCT | SCT | SCT | SCT | SCT | SCT |
| 13 | HARYANA, CHD & DELHI | ISOL | ISOL | ISOL | ISOL | ISOL | SCT | SCT |
| 14 | PUNJAB | ISOL | ISOL | ISOL | ISOL | ISOL | SCT | SCT |
| 15 | HIMACHAL PRADESH | SCT | SCT | SCT | ISOL | SCT | SCT | SCT |
| 16 | JAMMU AND KASHMIR AND LADAKH | SCT | SCT | SCT | SCT | SCT | SCT | SCT |
| 17 | WEST RAJASTHAN | ISOL | ISOL | ISOL | ISOL | DRY | ISOL | ISOL |
| 18 | EAST RAJASTHAN | SCT | ISOL | ISOL | ISOL | ISOL | ISOL | ISOL |
| 19 | WEST MADHYA PRADESH | ISOL | ISOL | ISOL | ISOL | ISOL | ISOL | ISOL |
| 20 | EAST MADHYA PRADESH | ISOL | ISOL | ISOL | ISOL | ISOL | SCT | SCT |
| 21 | GUJRAT REGION | ISOL | ISOL | ISOL | ISOL | ISOL | ISOL | ISOL |
| 22 | SAURASHTRA & KUTCH | ISOL | DRY | DRY | ISOL | ISOL | ISOL | ISOL |
| 23 | KONKAN & GOA | ISOL | ISOL | ISOL | ISOL | SCT | SCT | SCT |
| 24 | MADHYA MAHARASHTRA | ISOL | ISOL | ISOL | ISOL | ISOL | ISOL | ISOL |
| 25 | MARATHWADA | ISOL | ISOL | ISOL | ISOL | ISOL | ISOL | ISOL |
| 26 | VIDARBHA | ISOL | ISOL | ISOL | ISOL | ISOL | ISOL | ISOL |
| 27 | CHATTISGARH | SCT | SCT | SCT | SCT | SCT | SCT | SCT |
| 28 | COASTAL ANDHRA PRADESH | SCT | ISOL | SCT | SCT | SCT | SCT | SCT |
| 29 | TELANGANA | ISOL | ISOL | SCT | SCT | SCT | SCT | SCT |
| 30 | RAYALASEEMA | ISOL | ISOL | ISOL | ISOL | SCT | SCT | SCT |
| 31 | TAMILNADU & PUDUCHERRY | SCT | SCT | ISOL | ISOL | ISOL | ISOL | ISOL |
| 32 | COSTAL KARNATAKA | WS | WS | WS | WS | WS | WS | WS |
| 33 | NORTH INTERIOR KARNATAKA | ISOL | ISOL | ISOL | ISOL | SCT | SCT | SCT |
| 34 | SOUTH INTERIOR KARNATAKA | SCT | SCT | SCT | SCT | FWS | FWS | FWS |
| 35 | KERALA | WS | FWS | FWS | FWS | WS | WS | WS |
| 36 | LAKSHDWEEP | WS | FWS | FWS | SCT | SCT | 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 2026-06-13

Fig. 2: Departure of Maximum Temp. Dated 2026-06-13

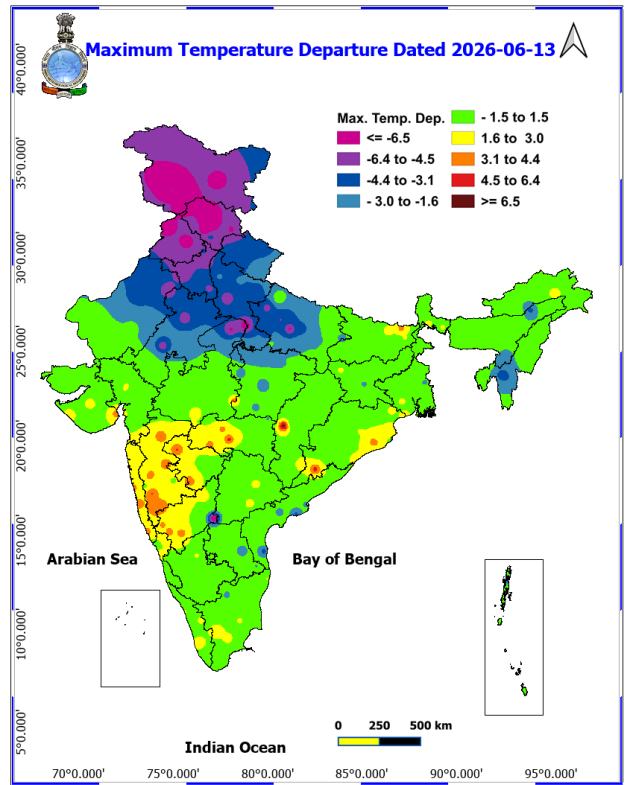
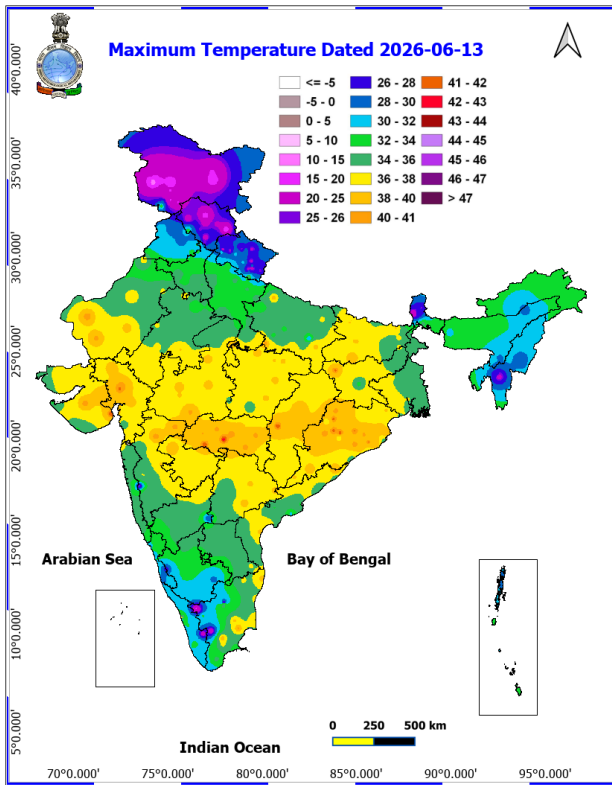
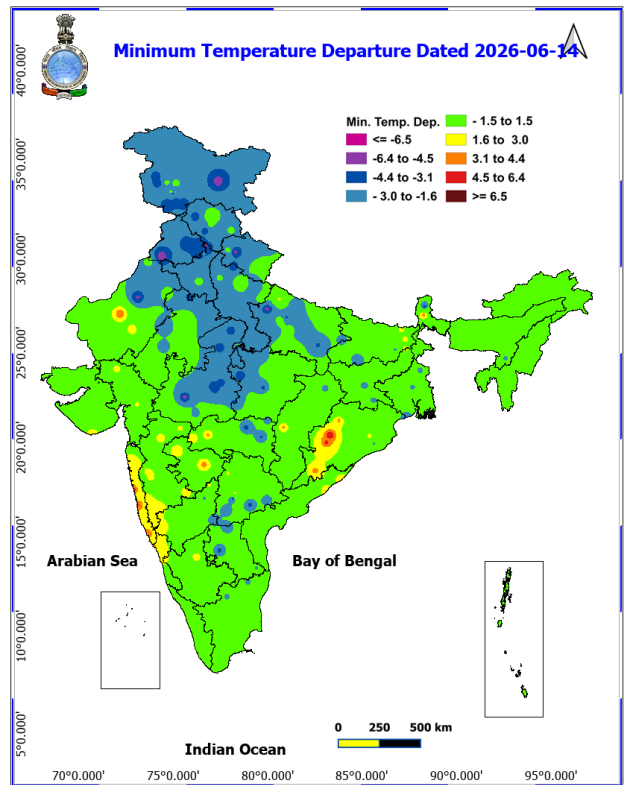
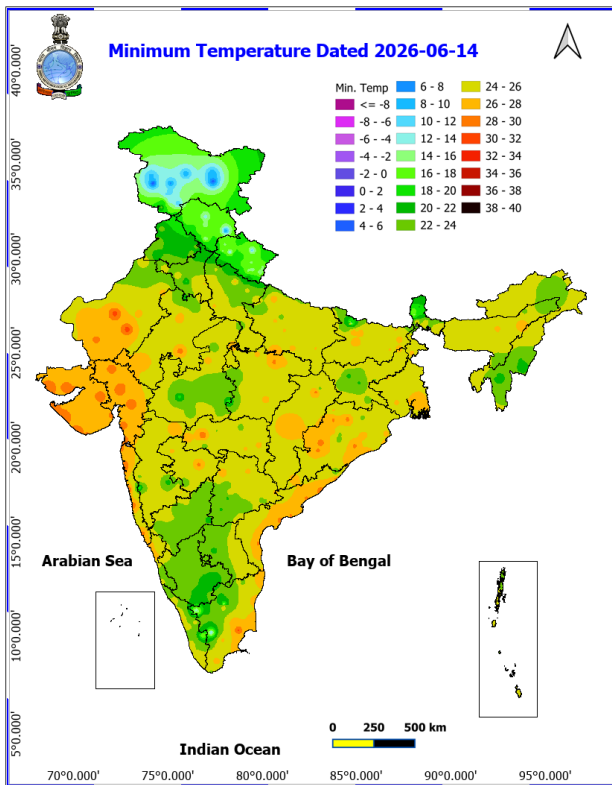
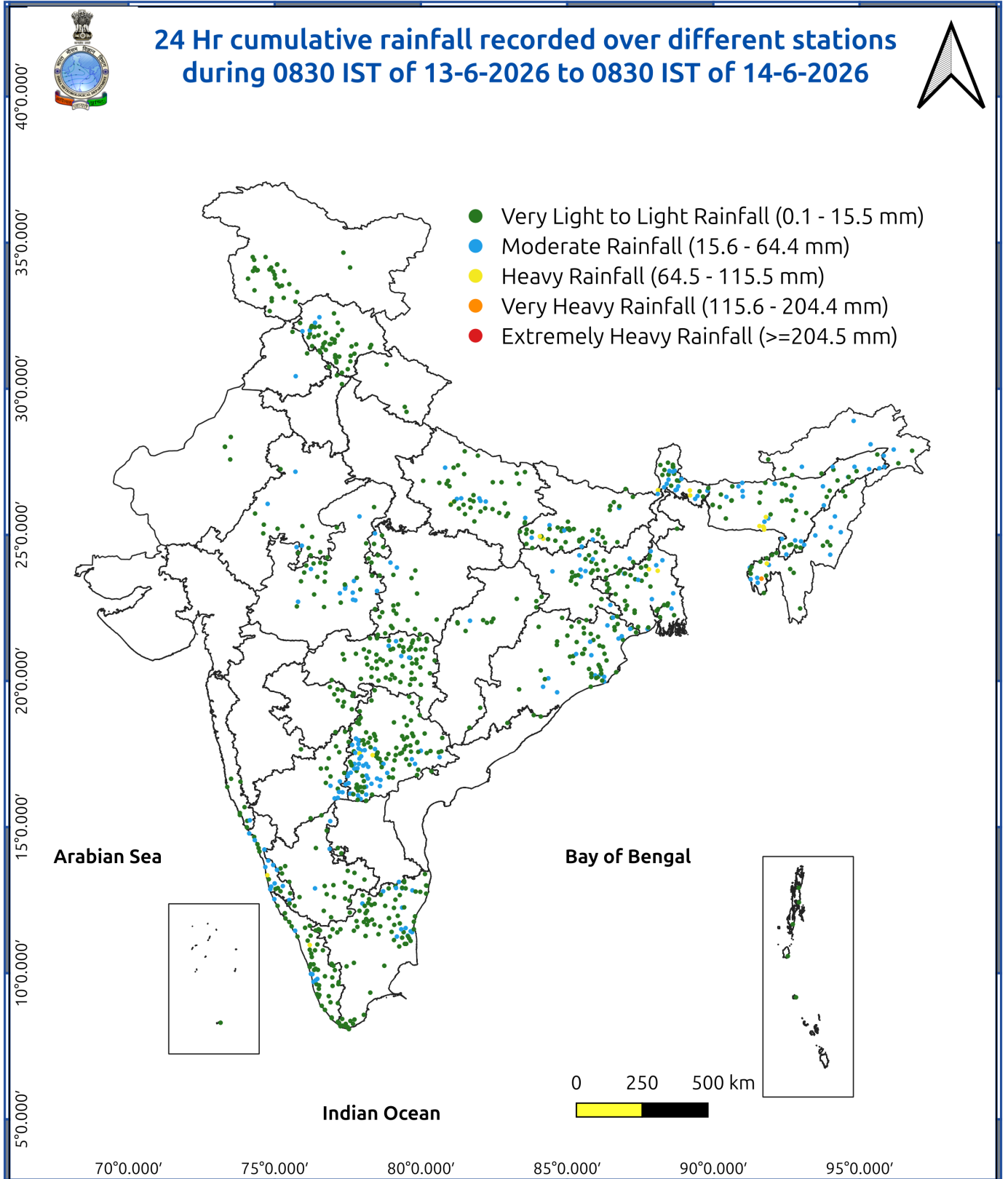


Fig. 3: Minimum Temperatures Dated 2026-06-14

Fig. 4: Departure of Minimum Temp. Dated 2026-06-14





Impact and Actions

Impact Expected & Action Suggested due to heavy/very heavy rainfall over

- Isolated **heavy rainfall** likely over Sub-Himalayan West Bengal & Sikkim during 14th-15th June and on 20th June; Gangetic West Bengal and Odisha on 14th June; Bihar on 16th June; Arunachal Pradesh during 15th-16th June and during 19th-20th June; Assam & Meghalaya during 14th-16th June and on 20th June; Nagaland, Manipur, Mizoram & Tripura during 14th-15th June; Tamil Nadu, Puducherry & Karaikal during 16th-17th June; Kerala & Mahe on 14th June; Coastal Karnataka and North Interior Karnataka during 17th-18th June; South Interior Karnataka during 16th-18th June; Telangana during 18th-20th June.
- isolated **very heavy rainfall** likely over Sub-Himalayan West Bengal & Sikkim during 16th-19th June; Arunachal Pradesh during 17th-18th June; Assam & Meghalaya during 17th-19th June.

Impact Expected

- Localized Flooding of roads, water logging in low lying areas and closure of underpasses mainly in urban areas.
- 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 expected and action suggested due to isolated thunderstorm with lightning, gusty/squally winds & hailstorm over

- **Thundersquall (wind speed reaching 60-70 kmph gusting to 80 kmph)** likely over East Rajasthan and West Rajasthan on 15th June.
- **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over East Uttar Pradesh during 14th-15th June; East Rajasthan and West Rajasthan on 14th June; West Madhya Pradesh during 14th-15th June; East Madhya Pradesh on 14th June; Andaman & Nicobar Islands on 14th June; Bihar on 16th June and during 19th-20th June; Odisha during 14th-15th June and 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:

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- 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.

Impact expected and action suggested due to Heat wave conditions:

- **Heat wave** conditions very likely in isolated pockets over Marathawada during 14th-17th June; Vidarbha during 14th-16th June.

Alert Areas

- High temperature & increased likelihood of heat illness symptoms in people who are either exposed to sun for a prolonged period or doing heavy work.
- High health concern for vulnerable people e.g. infants, elderly, people with chronic diseases.
- Avoid heat exposure– keep cool. Avoid dehydration.
- Drink sufficient water- even if not thirsty.
- Use ORS, homemade drinks like lassi, torani (rice water), lemon water, buttermilk, etc. to keep yourself hydrated.

Agromet advisories for various parts of the country

Agromet advisories for likely impact of Heavy Rainfall

In **Arunachal Pradesh**, ensure proper drainage in vegetables, maize, rice nursery and other crop fields to prevent waterlogging.

In **Assam**, ensure proper drainage arrangements for quick removal of excess water from rice nurseries, jute, ginger, vegetables, banana, citrus and papaya. Postpone nursery sowing of *Sali* rice. Cover the rice nursery beds with thin polythene sheet. Provide mechanical support to the sugarcane crop to prevent lodging.

In **Meghalaya**, ensure proper drainage channels in maize, ginger, cowpea, vegetable fields and banana plantations. Protect young seedlings from direct exposure to heavy rainfall. Use propping (bamboo or wooden poles) to support heavily laden plants.

In **Nagaland**, delay transplanting of brinjal in main field. For already transplanted seedlings, maintain proper drainage in and around the fields of maize, vegetables and orchard.

In **Manipur**, ensure that ridges and bunds around rice fields are well constructed to maintain the required water level; provide adequate drainage to remove excess rain water from chilli, ginger, turmeric, banana and other crops.

In **Mizoram**, create drainage channels surrounding the rice fields and utilize grass mulch to cover the seeds. Provide support to fruit-bearing or partially lodge plants/trees. Propping should be done to prevent maize plants from lodging.

In **Tripura** – undertake harvesting of mature Boro rice immediately and shift the harvested produce to a safe and dry place for storage.

In **Sub Himalayan West Bengal & Sikkim** keep the harvested produce of rice and other vegetables in safe and dry

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place. Provide adequate drainage in ginger, tomato and dalley khorsani fields and nurseries of *kharif* rice and vegetables.

In **Keralam**, drain out excess water from banana, coconut, cardamom, ginger, black pepper and vegetables. Provide staking support in banana plants and strengthen the pandals of vegetable crops. Avoid transplanting of rice during heavy rain.

In the regions expecting heavy rainfall, especially **Odisha** withhold irrigation in standing crops, make necessary arrangements to remove excess rainwater from the crop fields.

Agromet advisories for likely impact of High temperatures / Heat Waves

In **Vidarbha, Madhya Maharashtra** and **Marathwada**, apply light irrigation as per requirement in vegetable crops and fruit orchards.

Agromet advisories for likely impact of Thunderstorm / Gusty Winds

Shift the harvested produce in safer places or cover the produce with tarpaulin sheets in the fields. Tie the harvested crops securely and cover them to minimize the risk of displacement from strong surface winds.

Provide mechanical support to horticultural crops and staking or support to vegetables and young fruit plants / fruit-bearing plants to avoid lodging due to strong winds.

Livestock / Poultry / Fisheries

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

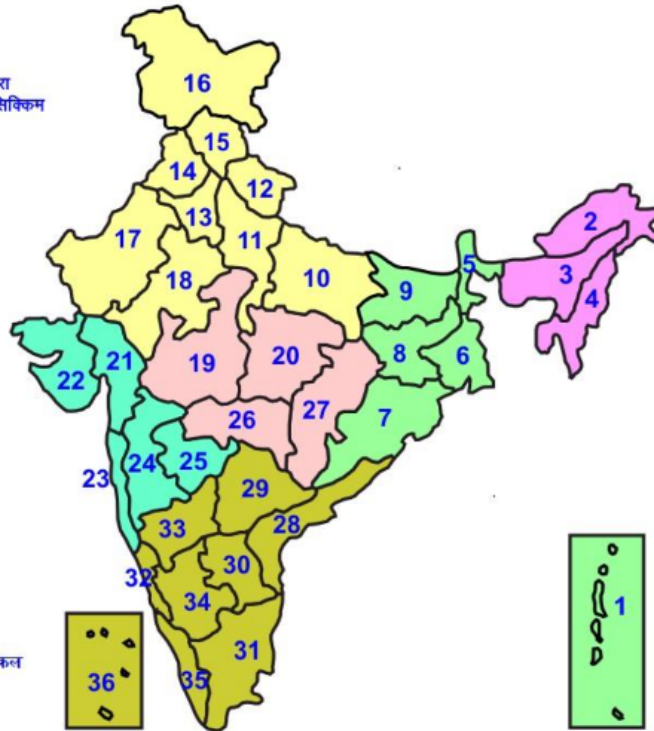
Store the feed and fodder in a safe place to prevent spoilage.

In regions with high temperatures and heat wave conditions, provide clean, cool drinking water to animals, and cover the roofs of poultry sheds with grass to reduce the adverse effects of heat.

Construct an outlet with proper netting around the ponds to drain excess water, thereby preventing fish from escaping in the event 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 गांगेय बंगाल
- 7 ओडिसा
- 8 झारखंड
- 9 बिहार
- 10 पूर्वी उत्तर प्रदेश
- 11 पश्चिम उत्तर प्रदेश
- 12 उत्तराखंड
- 13 हरियाणा चंडिगढ़ 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 मराठावाडा
- 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 |
| 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 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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