

## 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, Bhadrachalam, Koraput, Phulbani, Ranchi, Jamui, Muzaffarpur and 28.3°N/83°E.
- **Conditions are favourable** for further advance of southwest monsoon into some more parts of Telangana, Odisha, Jharkhand & Bihar, and some parts of Chhattisgarh during next 4-5 days.

#### Weather Forecast and Warnings:

##### Northwest India:

- **Fairly Widespread to Widespread** rainfall likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 18th-22nd June; Himachal Pradesh during 20th-21st June.
- **Isolated to Scattered** rainfall likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 23rd-24th June; Himachal Pradesh during 18th-19th June and during 22nd-24th June; Uttarakhand during 18th-24th June.
- **Isolated to Scattered** rainfall likely over East Rajasthan, Haryana Chandigarh & Delhi, Punjab, West Rajasthan and West Uttar Pradesh during 18th-22nd June; East Uttar Pradesh during 18th-19th June and on 24th June.
- **Isolated thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 18th-22nd June; Himachal Pradesh during 18th-19th June; Uttarakhand during 18th-20th June, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Himachal Pradesh during 20th-22nd June.
- **Isolated thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Haryana Chandigarh & Delhi and Punjab during 18th-22nd June; East Rajasthan and West Rajasthan during 21st-22nd June.
- **Thundersquall (wind speed reaching 60-70 kmph gusting to 80 kmph)** likely over West Rajasthan on 18th June; East Rajasthan during 18th-19th June.
- **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over West Rajasthan during 19th-20th June; East Rajasthan on 20th June.
- **Isolated Hailstorm** activity likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 18th-20th June; Himachal Pradesh during 18th-19th June.
- **Duststorm** activity likely over West Rajasthan during 18th-20th June; East Rajasthan on 18th June.

##### Central India:

- **Isolated to Scattered** rainfall likely over Chhattisgarh, East Madhya Pradesh, Vidarbha and West Madhya Pradesh during 18th-24th June.
- **Isolated thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over West Madhya Pradesh during 20th-22nd June; East Madhya Pradesh and Vidarbha during 18th-22nd June; Chhattisgarh during 21st-22nd June.
- **Isolated thunderstorm & lightning** likely over Chhattisgarh during 18th-20th June.
- **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over West Madhya Pradesh during 18th-19th June.

##### East India:

- **Fairly Widespread to Widespread** rainfall likely over Andaman & Nicobar Islands and Sub-Himalayan West Bengal & Sikkim during 18th-24th June; Gangetic West Bengal during 20th-24th June; Odisha during 19th-20th June.
- **Isolated to Scattered** rainfall likely over Gangetic West Bengal during 18th-19th June; Bihar and Jharkhand

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during 18th-24th June; Odisha on 18th June and during 21st-24th June.

- Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Andaman & Nicobar Islands, Gangetic West Bengal and Sub-Himalayan West Bengal & Sikkim during 18th-22nd June; Jharkhand during 21st-24th June; Bihar during 20th-24th June; Odisha during 20th-22nd June.
- Isolated **heavy rainfall** likely over Sub-Himalayan West Bengal & Sikkim on 20th June and on 24th June; Bihar during 18th-20th June with isolated **very heavy rainfall** also likely over Sub-Himalayan West Bengal & Sikkim during 18th-19th June and during 21st-23rd June.
- **Thundersquall (wind speed reaching 60-70 kmph gusting to 80 kmph)** likely over Bihar during 18th-19th June.
- **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Jharkhand during 18th-20th June; Odisha during 18th-19th June.

#### Northeast India:

- **Fairly Widespread to Widespread** rainfall likely over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 18th-24th June.
- Isolated **thunderstorm & lightning** likely over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 18th-22nd June.
- Isolated **heavy rainfall** likely over Arunachal Pradesh and Nagaland, Manipur, Mizoram & Tripura during 18th-23rd June; Assam & Meghalaya on 18th June and during 23rd-24th June with isolated **very heavy rainfall** also likely over Assam & Meghalaya during 19th-22nd June.

#### West India:

- **Isolated to Scattered** rainfall likely over Konkan & Goa during 18th-23rd June; Gujarat Region, Madhya Maharashtra and Marathwada during 18th-24th June; Saurashtra & Kutch during 18th-21st June.
- **Fairly Widespread to Widespread** rainfall likely over Konkan & Goa on 24th June.
- Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Konkan & Goa and Madhya Maharashtra during 18th-19th June and during 22nd-24th June; Marathwada during 18th-19th June; Gujarat Region and Saurashtra & Kutch on 18th June.

#### South Peninsular India:

- **Isolated to Scattered** rainfall likely over Tamil Nadu, Puducherry & Karaikal on 18th June and during 20th-24th June; Lakshadweep on 18th June; North Interior Karnataka during 18th-21st June; South Interior Karnataka during 18th-20th June; Coastal Andhra Pradesh & Yanam during 18th-22nd June and on 24th June; Rayalaseema and Telangana during 18th-24th June.
- **Fairly Widespread to Widespread** rainfall likely over Tamil Nadu, Puducherry & Karaikal on 19th June; Coastal Karnataka and Kerala & Mahe during 18th-24th June; Lakshadweep during 19th-24th June; North Interior Karnataka during 22nd-24th June; South Interior Karnataka during 21st-24th June; Coastal Andhra Pradesh & Yanam on 23rd June.
- Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Tamil Nadu, Puducherry & Karaikal and Telangana during 18th-20th June; Kerala & Mahe during 18th-19th June; Coastal Andhra Pradesh & Yanam and North Interior Karnataka during 18th-22nd June, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Tamil Nadu, Puducherry & Karaikal during 21st-22nd June; Kerala & Mahe on 20th June; Coastal Karnataka during 18th-24th June; Rayalaseema and South Interior Karnataka during 18th-22nd June.
- Isolated **heavy rainfall** likely over Tamil Nadu, Puducherry & Karaikal during 18th-19th June; Kerala & Mahe during 21st-23rd June; Coastal Karnataka on 18th June and during 21st-24th June; North Interior Karnataka during 21st-22nd June; South Interior Karnataka on 18th June and during 21st-22nd June with isolated **very heavy rainfall** also likely over Kerala & Mahe on 18th June.
- Strong Surface Winds likely over South Interior Karnataka during 20th-22nd June.

#### Forecast of maximum/day temperatures:

- Gradual rise in maximum temperatures by 2-3°C likely over Northwest India till 18<sup>th</sup> June and no significant

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change thereafter.

- Gradual rise in maximum temperatures by 2-3°C likely over Central India till 20<sup>th</sup> June and no significant change thereafter.
- No significant change in maximum temperatures likely over East India till 18<sup>th</sup> June, gradual fall by 2-3°C till 20<sup>th</sup> June and no significant change thereafter.
- No significant change in maximum temperatures likely over the rest parts of country till 24<sup>th</sup> June, 2026.

**Heat Wave, Hot & Humid weather conditions warning:**

- **Heat wave** conditions very likely in isolated pockets over Bihar, Coastal Andhra Pradesh & Yanam and Odisha on 18th June; East Uttar Pradesh during 18th-24th June; Madhya Maharashtra, Marathawada, Telangana and Vidarbha during 18th-20th June; West Uttar Pradesh during 19th-24th June.
- **Hot and humid** weather conditions likely to prevail over Gangetic West Bengal during 18th-19th June; Odisha during 18th-20th June; Konkan & Goa during 18th-21st June; Coastal Andhra Pradesh & Yanam and Rayalaseema during 19th-20th June.

**Fisherman Warning:**

Fishermen are advised not to venture into the following areas during 18<sup>th</sup> June to 23<sup>rd</sup> June, 2026:

- **Bay of Bengal:** Over Gulf of Mannar during 18<sup>th</sup> to 23<sup>rd</sup> June. Gangetic west Bengal, Odisha and north Andhra Pradesh during 19<sup>th</sup> to 22<sup>st</sup> June, along and off Odisha, Gangetic west Bengal adjoining northwest Bay of Bengal during 19<sup>th</sup> to 22<sup>nd</sup> June; south Myanmar coasts adjoining northeast & eastcentral Bay of Bengal and North Andaman Sea during 18<sup>th</sup> June.
- **Arabian Sea:** Along and off Somalia coast adjoining parts of southwest & westcentral Arabian Sea; during 18<sup>th</sup> to 23<sup>rd</sup> June; few parts of northwest & westcentral Arabian Sea during 18<sup>th</sup> to 23<sup>rd</sup> June.

### Main Weather Observations:

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

❖ **Significant rainfall recorded(in cm)** (from 0830 hours IST of yesterday to 0830 hours IST of today): **Sub Himalayan West Bengal & Sikkim:** Jaybirpara Tea Estate (dist Alipurduar) 18; Nagarkata (dist Jalpaiguri) 13; Karballa Tea Estate (dist Jalpaiguri) 12; Majitar (dist Pakyong), Jiti T.e. (dist Jalpaiguri), Moraghat Tea Estate (dist Jalpaiguri), Fagu Tea Estate (dist Jalpaiguri), Subhasini Tea Estate (dist Alipurduar) 11 Each; Damdim Tea Estate (dist Jalpaiguri), Tra Nagrakata (dist Jalpaiguri), Sankos Tea Estate (dist Alipurduar) 10 Each; Hilla T.e. (dist Jalpaiguri), Noweranuddi Tea Garden (dist Jalpaiguri) 9 Each; Baintgoorie T.e. (dist Jalpaiguri), Ghatia T.e. (dist Jalpaiguri), Kumlai T.e. (dist Jalpaiguri), Kurti T.e. (dist Jalpaiguri), Mogulkata Tea Estate (dist Jalpaiguri) 8 Each; Baradighi T.e. (dist Jalpaiguri), Gairkata Tea Estate (dist Jalpaiguri), Gopalpur Tea Estate (dist Alipurduar) 7 Each; Buxaduar (dist Alipurduar), Khanitar (dist Pakyong), Chengmari/Diana (dist Jalpaiguri), Hasimara (dist Alipurduar), Gyalsing PTO (dist Gyalshing), Singhik (dist Mangan), Banarhat High School (dist Jalpaiguri), Bhagatpur Tea Estate (dist Jalpaiguri), Chalouni Tea Estate (dist Jalpaiguri), Gandrapara Tea Garden (dist Jalpaiguri), Good Hope Tea Estate (dist Jalpaiguri), Palashbari Tea Estate (dist Jalpaiguri), Beech Tea Garden (dist Alipurduar), Toorsa Tea Garden (dist Alipurduar) 6 Each; **Gujarat Region:** Balasinor (dist Mahisagar) 15; Wanakbori (dist Mahisagar) 10; Bhiloda (dist Aravalli), Satlasana (dist Mehsana), Dhansura (dist Aravalli) 7 Each; Galteshwar (dist Kheda) 6; **Kerala & Mahe:** Urumi AWS (dist Kozhikode) 13; Quilandi (dist Kozhikode) 6; **Coastal Andhra Pradesh & Yanam:** Vepada (dist Vizianagaram) 9; Kavali (dist Spsr Nellore) 6; **Telangana:** Chinthakam (dist Khammam) 9; **East Rajasthan:** Sarara (dist Udaipur) 9; Mounntabu Tehsil SR (dist Sirohi) 8; **Assam & Meghalaya:** Shella (dist East Khasi Hills) 7; **Bihar:** Galgalia (dist Kishanganj) 7; Tetaria (dist East Champaran) 6; **Tamil Nadu, Puducherry & Karaikal:** Tindivanam (dist Villupuram), Kovilpatty (dist Trichy) 7 Each.

❖ **Heavy to Very heavy rainfall (12-20 cm)** has been recorded at isolated places over Sub-Himalayan West Bengal, Gujarat Region, Tamil Nadu and Kerala.

❖ **Heavy rainfall (7-11 cm)** has been recorded at isolated places over East Rajasthan, Meghalaya, Coastal Andhra Pradesh and Telangana.

❖ **Thunderstorm accompanied with Squally/Gusty winds with speed reaching 80-140 kmph** prevailed at isolated places over Jammu-Kashmir **with speed reaching 60-80 kmph** at isolated places over Jharkhand, Himachal Pradesh, Uttarakhand **with speed reaching 40-60 kmph** at isolated places over Odisha, Bihar, Madhya Maharashtra, Kutch, Chhattisgarh, Andaman & Nicobar Islands, Konkan, Sub-Himalayan West Bengal and Meghalaya.

❖ **Heatwave conditions** prevailed at isolated places over East Uttar Pradesh, Odisha, Vidarbha and Telangana.

❖ **Hailstorm observed** at a few places over Jammu & Kashmir.

❖ **Minimum Temperature Departures (as on 18-06-2026): markedly above normal(> 5.1°C)** at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gangetic West Bengal, Bihar, East Uttar Pradesh, West Uttar Pradesh, Himachal Pradesh, West Madhya Pradesh, East Madhya Pradesh, Saurashtra & Kutch, Konkan & Goa and Telangana. **appreciably above normal(3.1°C to 5.0°C)** at few places over Sub Himalayan West Bengal & Sikkim, Marathwada, Vidarbha, Rayalaseema and Lakshadweep; at isolated places over Andaman & Nicobar Islands, Odisha, Haryana-Chandigarh-Delhi, Gujarat Region, Madhya Maharashtra, Tamil Nadu, Puducherry & Karaikal and North Interior Karnataka. **above normal(1.6°C to 3.0°C)** at few places over Arunachal Pradesh, Jharkhand, South Interior Karnataka and Lakshadweep; at isolated places over West Rajasthan, Chhattisgarh and Kerala & Mahe. **near normal(-1.5°C to 1.5°C)** at many places over Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad, East Rajasthan, Coastal Andhra Pradesh & Yanam and South Interior Karnataka; at most places over Uttarakhand, Punjab, Coastal

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Karnataka and Kerala & Mahe; at few places over Lakshadweep. **The lowest minimum temperature** of 20.0°C was reported at **Nayagarh (Odisha)** over the Plains of India.

❖ **Maximum Temperature Departures (as on 17-06-2026): markedly above normal(> 5.1°C)** at many places over Konkan & Goa Marathwada and Telangana; at most places over Madhya Maharashtra; at isolated places over Vidarbha, Jharkhand, Coastal Andhra Pradesh & Yanam and North Interior Karnataka. **appreciably above normal(3.1°C to 5.0°C)** at many places over Chhattisgarh; at few places over Odisha, East Uttar Pradesh and Coastal Karnataka; at isolated places over Assam & Meghalaya, Gangetic West Bengal, Bihar, West Uttar Pradesh, Himachal Pradesh, West Madhya Pradesh, Rayalaseema, Tamil Nadu, Puducherry & Karaikal and South Interior Karnataka. **above normal(1.6°C to 3.0°C)** at many places over Lakshadweep; at most places over Sub Himalayan West Bengal & Sikkim; at few places over East Madhya Pradesh, Gujarat Region and Saurashtra & Kutch; at isolated places over Andaman & Nicobar Islands, Haryana-Chandigarh-Delhi and Keralam & Mahe. **Appreciably below normal(-5.0°C to -3.1°C)** at a few places over West Rajasthan; at isolated places over Mizoram; **below normal(-3.0°C to -1.6°C)** at many places over East Rajasthan; at a few places over Assam & Meghalaya. **The highest maximum temperature of 45.0°C** was reported at **Prayagraj (EAST UTTAR PRADESH)**..

**Meteorological Analysis (Based on 0830 hours IST)**

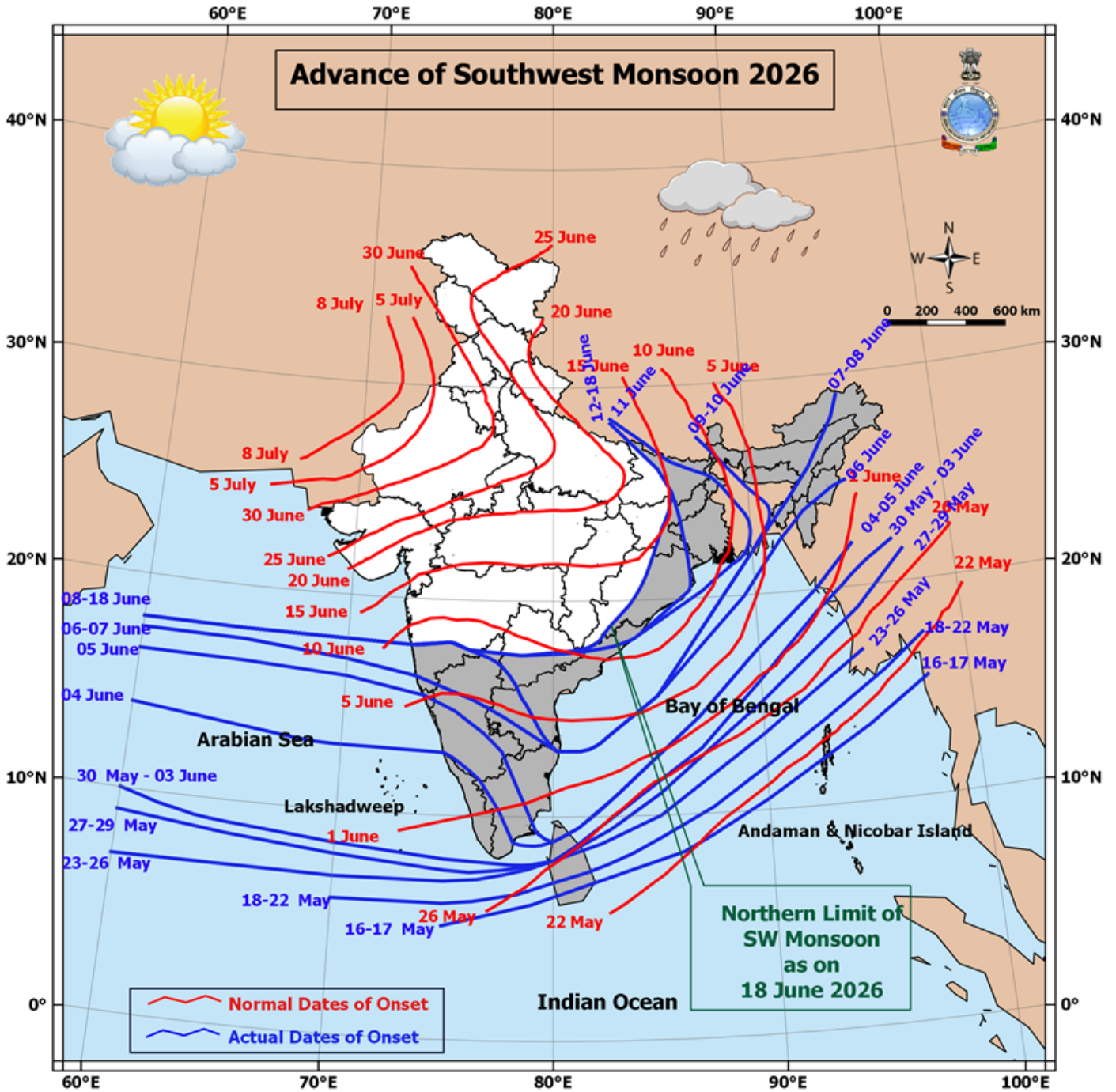
- **The Northern Limit of Monsoon** continues to pass through 18°N/60°E, 18°N/65°E, 18°N/70°E, Harnai, Solapur, Hyderabad, Bhadrachalam, Koraput, Phulbani, Ranchi, Jamui, Muzaffarpur and 28.3°N/83°E.
- **Conditions are favourable** for further advance of southwest monsoon into some more parts of Telangana, Odisha, Jharkhand & Bihar, and some parts of Chhattisgarh during next 4-5 days.
- The **seasonal trough** at mean sea level from Punjab to Bihar across Haryana and Uttar Pradesh persists.
- A **fresh western Disturbance** seen as trough in middle and upper tropospheric westerlies with its axis at 5.8 km above mean sea level runs roughly along Long. 67°E to the north of Lat. 28°N
- The **upper air cyclonic circulation** over Northwest Uttar Pradesh & neighbourhood at 3.1 km above mean sea level persists.
- A **trough** runs from Southwest Madhya Pradesh to East Central Arabian Sea across Madhya Maharashtra and Konkan at 5.8 km above mean sea level.
- The **upper air cyclonic circulation** over southwest Madhya Pradesh & neighbourhood at 5.8 km above mean sea level merged with the above trough.
- The **trough** from Jharkhand to Coastal Andhra Pradesh now runs from east Vidarbha to Tamil Nadu across Telangana and Andhra Pradesh at 0.9 km above mean sea level.
- The **upper air cyclonic circulation** over Central parts of Assam at 0.9 km above mean sea level persists.
- An **upper air cyclonic circulation** lies over South East Arabian Sea & adjoining Kerala at 3.1 km above mean sea level.
- The **trough** from North Tamil Nadu to Lakshadweep at 3.1 Km above mean sea level merged with above cyclonic circulation.
- The **Western Disturbance** as a cyclonic circulation over north Pakistan & neighbourhood at 3.1 km above mean sea level with a trough aloft in middle tropospheric levels with its axis at 5.8 km above mean sea level roughly along Long. 72°E to the north of Lat. 32°N has move away east-northeastwards direction.
- The **induced upper air cyclonic circulation** over south Punjab & neighbourhood extending upto 1.5 km above mean sea level has become less marked.

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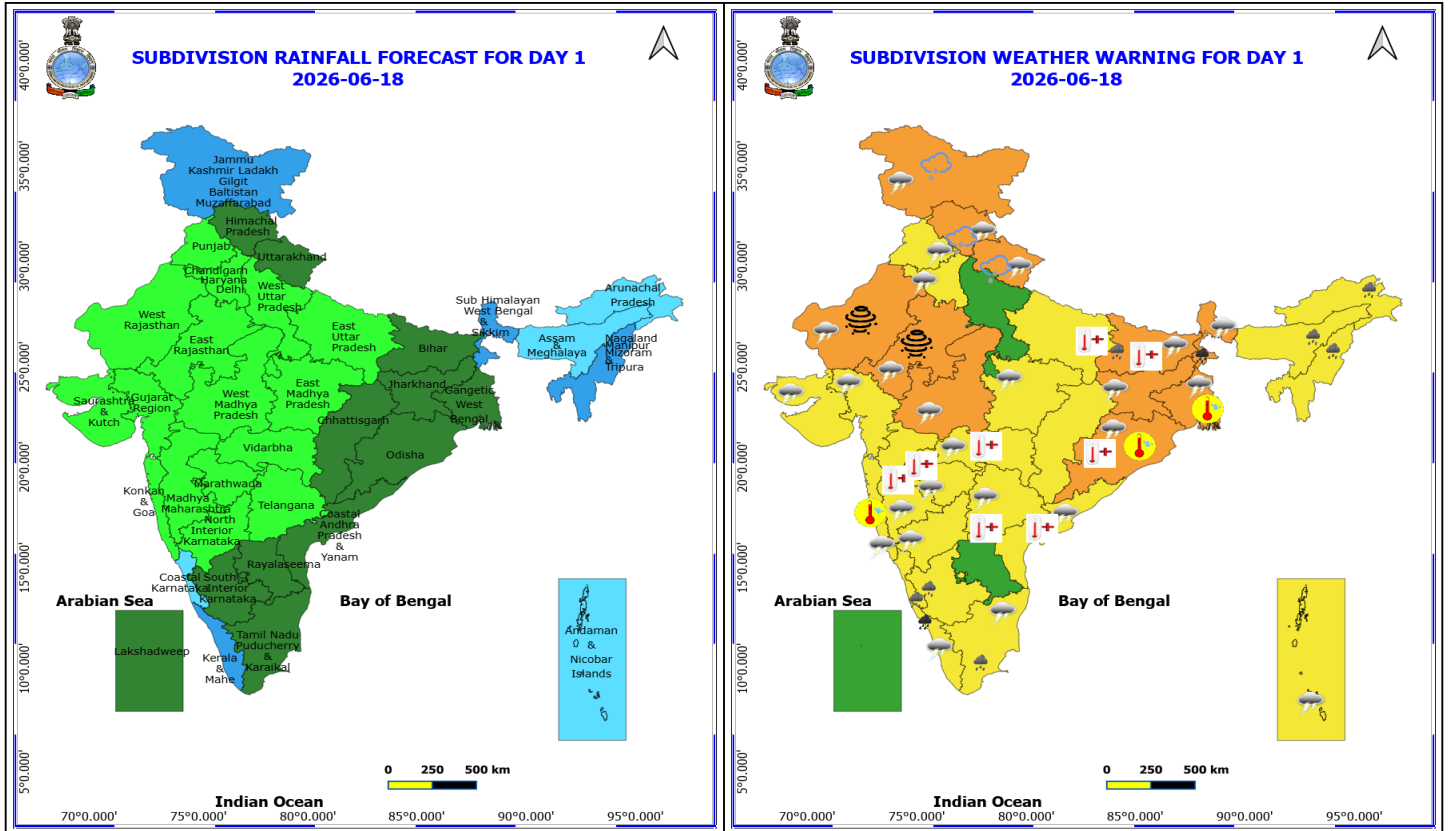
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**18 June (Day 1)**

- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Kerala & Mahe and Sub Himalayan West Bengal & Sikkim.
- ❖ **Heavy Rainfall** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Bihar, Coastal Karnataka, Nagaland, Manipur, Mizoram and Tripura, South Interior Karnataka and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with Hailstorm** very likely at isolated places over Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and Uttarakhand.
- ❖ **Thundersquall with wind speed reaching(60-70kmph) gusting to 80 kmph** very likely at isolated places over Bihar and Rajasthan.
- ❖ **Thundersquall with wind speed reaching(50-60kmph)** very likely at isolated places over Jharkhand, Odisha and West Madhya Pradesh.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Andaman & Nicobar Islands, Coastal Andhra Pradesh, East Madhya Pradesh, Gujarat State, Haryana, Chandigarh & Delhi, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Kerala & Mahe, Konkan & Goa, Maharashtra, North Interior Karnataka, Punjab, Tamil Nadu Puducherry & Karaikal, Telangana, Uttarakhand and West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Coastal Karnataka, Rayalaseema and South Interior Karnataka.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Arunachal Pradesh, Assam &

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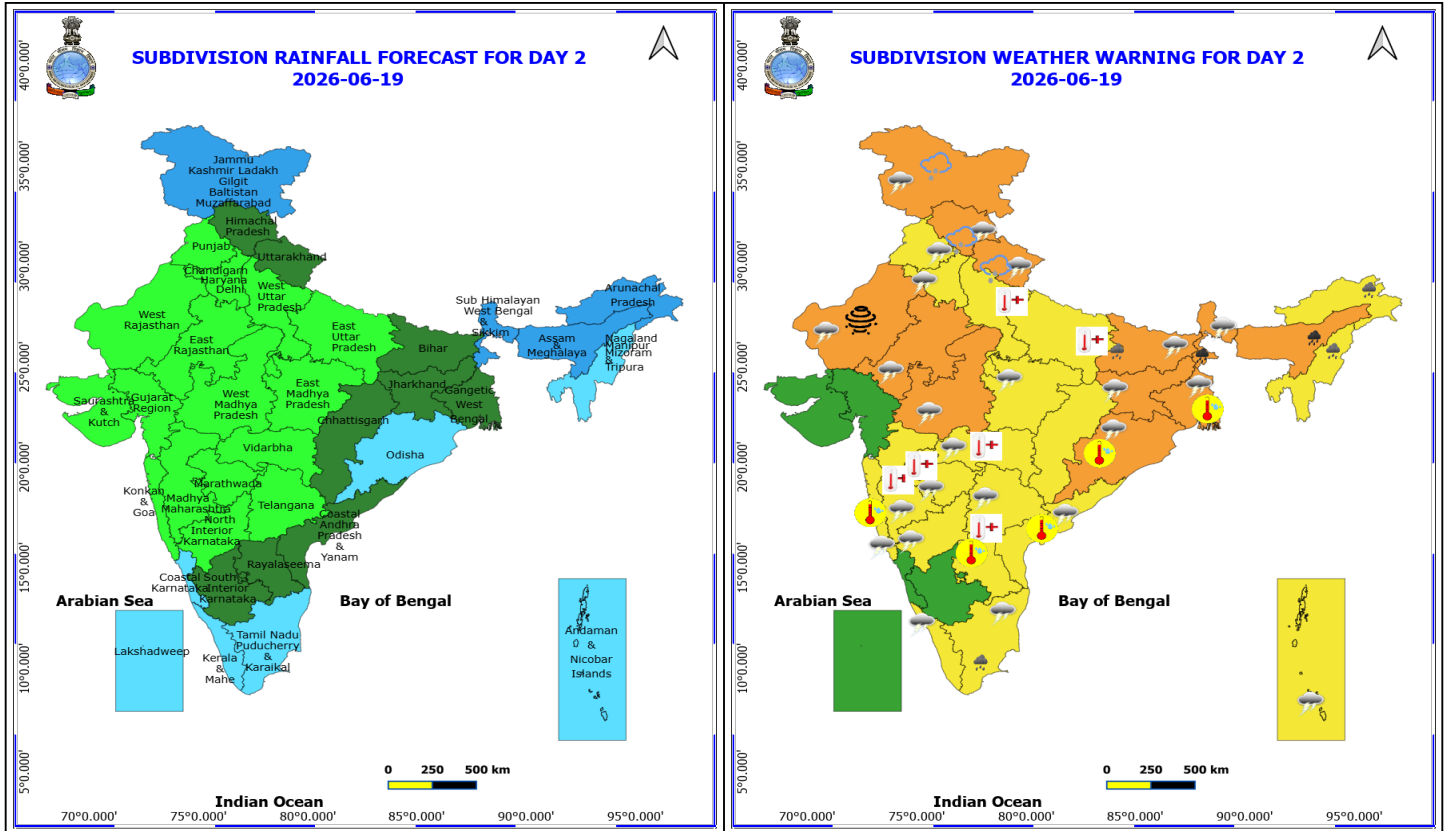
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Meghalaya, Chhattisgarh and Nagaland, Manipur, Mizoram and Tripura.

- ❖ **Dust Storm** very likely at isolated places over Rajasthan.
  - ❖ **Heat Wave conditions** very likely at isolated places over Bihar, Coastal Andhra Pradesh, East Uttar Pradesh, Maharashtra, Odisha and Telangana.
  - ❖ **Hot and Humid weather** very likely at isolated places over Gangetic West Bengal, Konkan & Goa and Odisha.
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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.
  - ❖ **Bay of Bengal:** Squally Weather with wind speed 40-50 kmph gusting to 60 kmph is likely to prevail over Gulf of Mannar adjoining area, some parts of southwest Bay of Bengal adjoining south Sri Lanka coasts & southeast Bay of Bengal; along and off Odisha, north Andhra Pradesh coasts, some parts of northwest and adjoining westcentral Bay of Bengal; south Myanmar coasts adjoining northeast & eastcentral Bay of Bengal and North Andaman Sea..



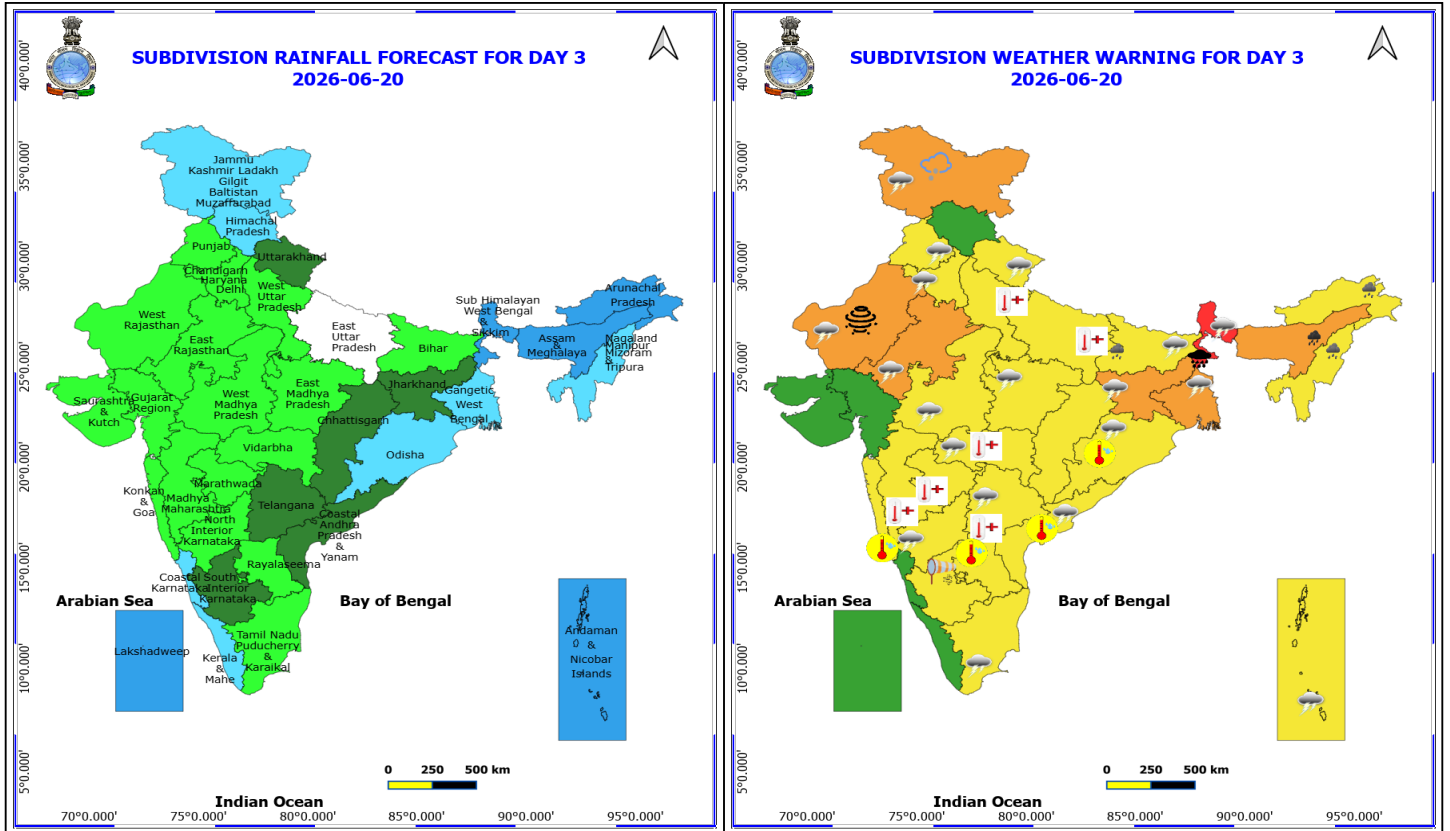
**19 June (Day 2)**

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

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- ❖ **Dust Storm** very likely at isolated places over West Rajasthan.
  - ❖ **Heat Wave conditions** very likely at isolated places over Maharashtra, Telangana and Uttar Pradesh.
  - ❖ **Hot and Humid weather** very likely at isolated places over Andhra Pradesh, Gangetic West Bengal, Konkan & Goa and Odisha.
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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, few parts of southwest Arabian sea; along and off North Oman coasts adjoining 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 adjoining area, along and off Odisha, Gangetic west Bengal, north Andhra Pradesh coasts, some parts of northwest and adjoining westcentral Bay of Bengal.



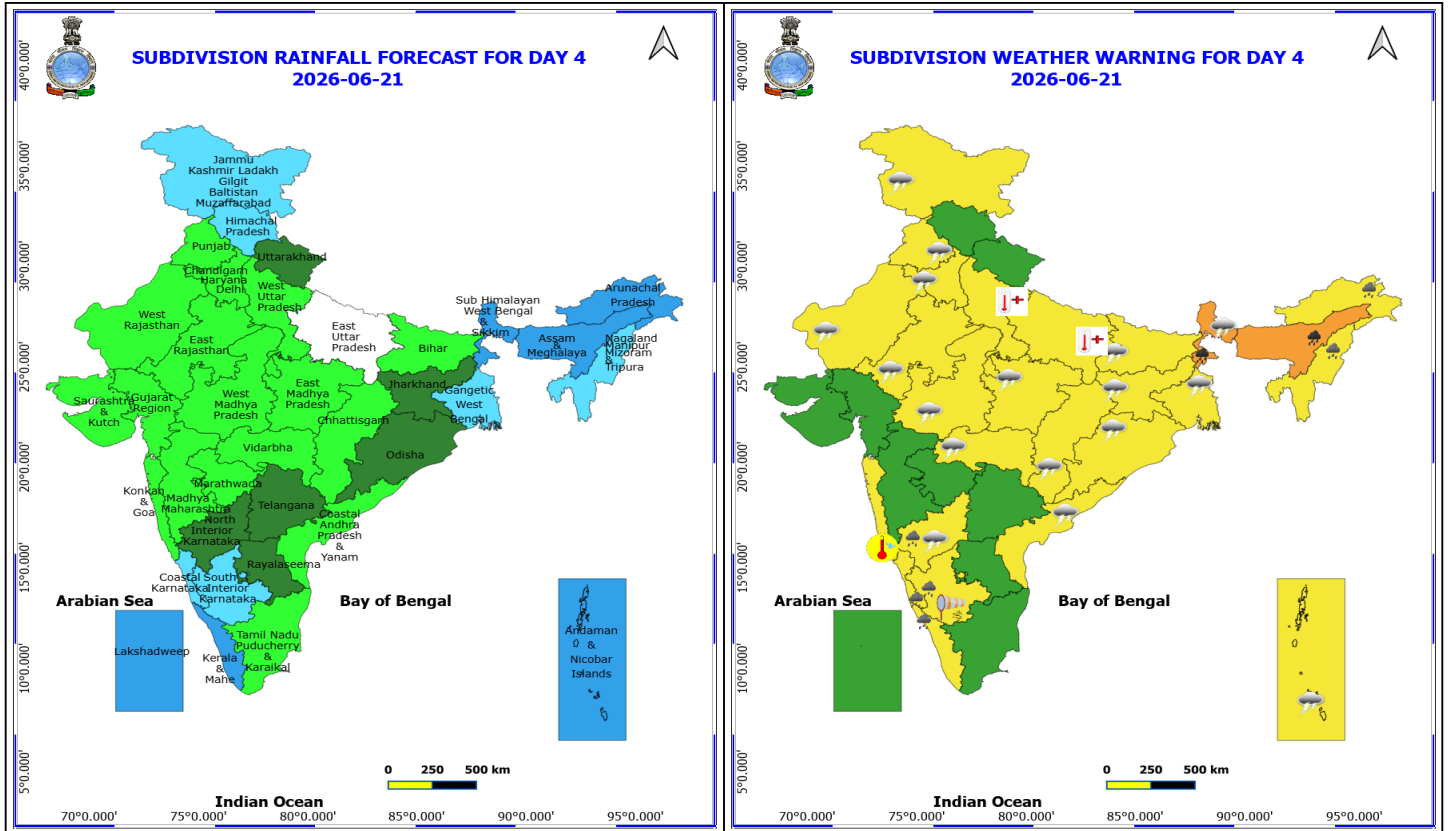
**20 June (Day 3)**

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

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- ❖ **Strong Surface Winds** very likely at isolated places over South Interior Karnataka.
  - ❖ **Heat Wave conditions** very likely at isolated places over Maharashtra, Telangana and Uttar Pradesh.
  - ❖ **Hot and Humid weather** very likely at isolated places over Andhra Pradesh, Konkan & Goa and Odisha.
- 
- ❖ **Arabian Sea:** Squally wind with speed 45-55 kmph gusting to 65 kmph is likely to prevail along and off Somalia, few parts of southwest 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 adjoining area, along and off Odisha, Gangetic west Bengal, north Andhra. Pradesh coasts, some parts of northwest and adjoining westcentral Bay of Bengal



**21 June (Day 4)**

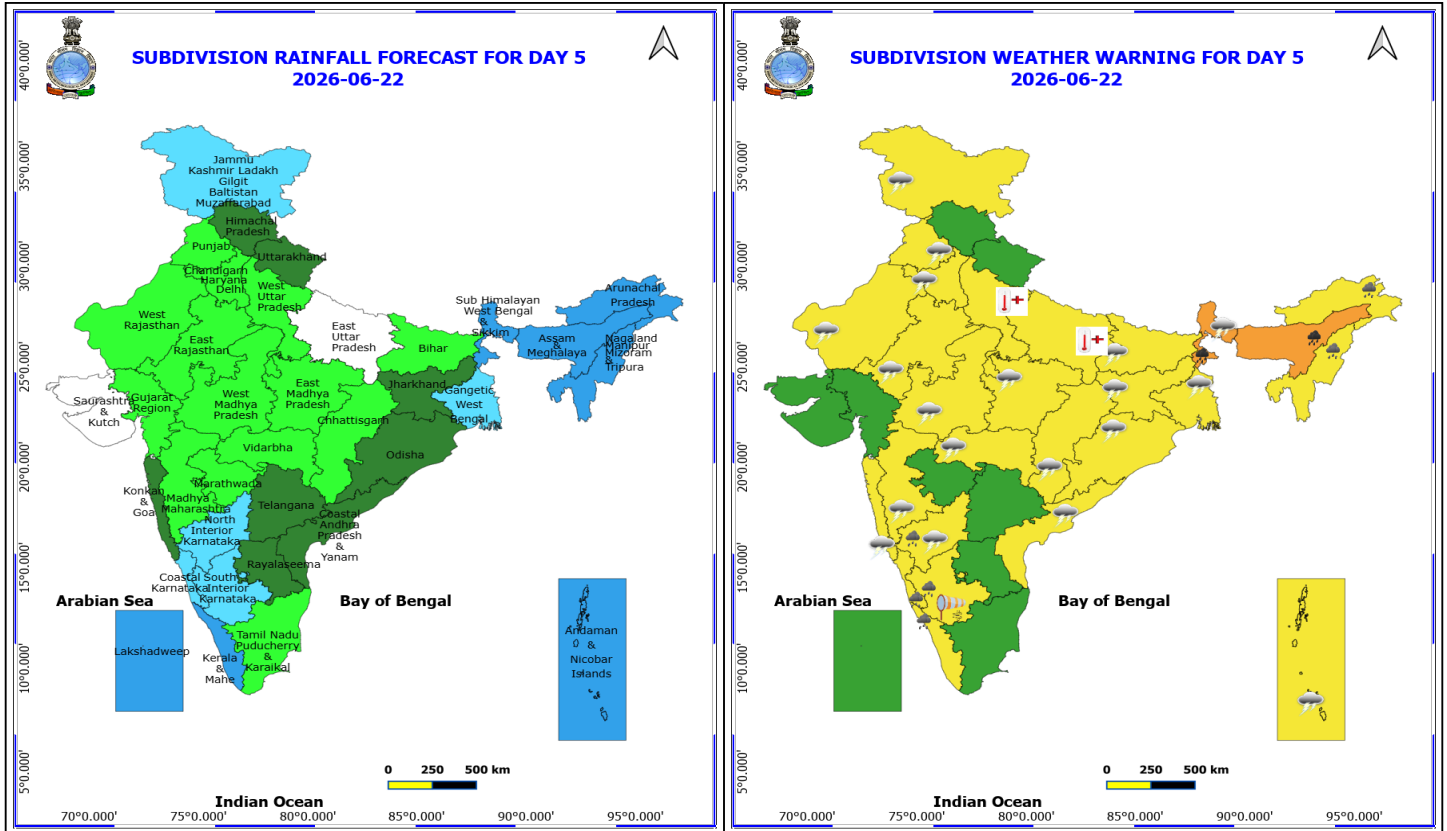
- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Assam & Meghalaya and Sub Himalayan West Bengal & Sikkim.
  - ❖ **Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Karnataka, Kerala & Mahe and Nagaland, Manipur, Mizoram and Tripura.
  - ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Andaman & Nicobar Islands, Bihar, Chhattisgarh, Coastal Andhra Pradesh, Haryana, Chandigarh & Delhi, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Jharkhand, Madhya Pradesh, North Interior Karnataka, Odisha, Punjab, Rajasthan, Vidarbha and West Bengal & Sikkim.
  - ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Coastal Karnataka, Himachal Pradesh, Rayalaseema, South Interior Karnataka and Tamil Nadu Puducherry & Karaikal.
  - ❖ **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 South Interior Karnataka.
  - ❖ **Heat Wave conditions** likely at isolated places over Uttar Pradesh.
  - ❖ **Hot and Humid weather** 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.

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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 adjoining area, along and off Odisha, Gangetic west Bengal, north Andhra Pradesh coasts, some parts of northwest and adjoining westcentral Bay of Bengal.



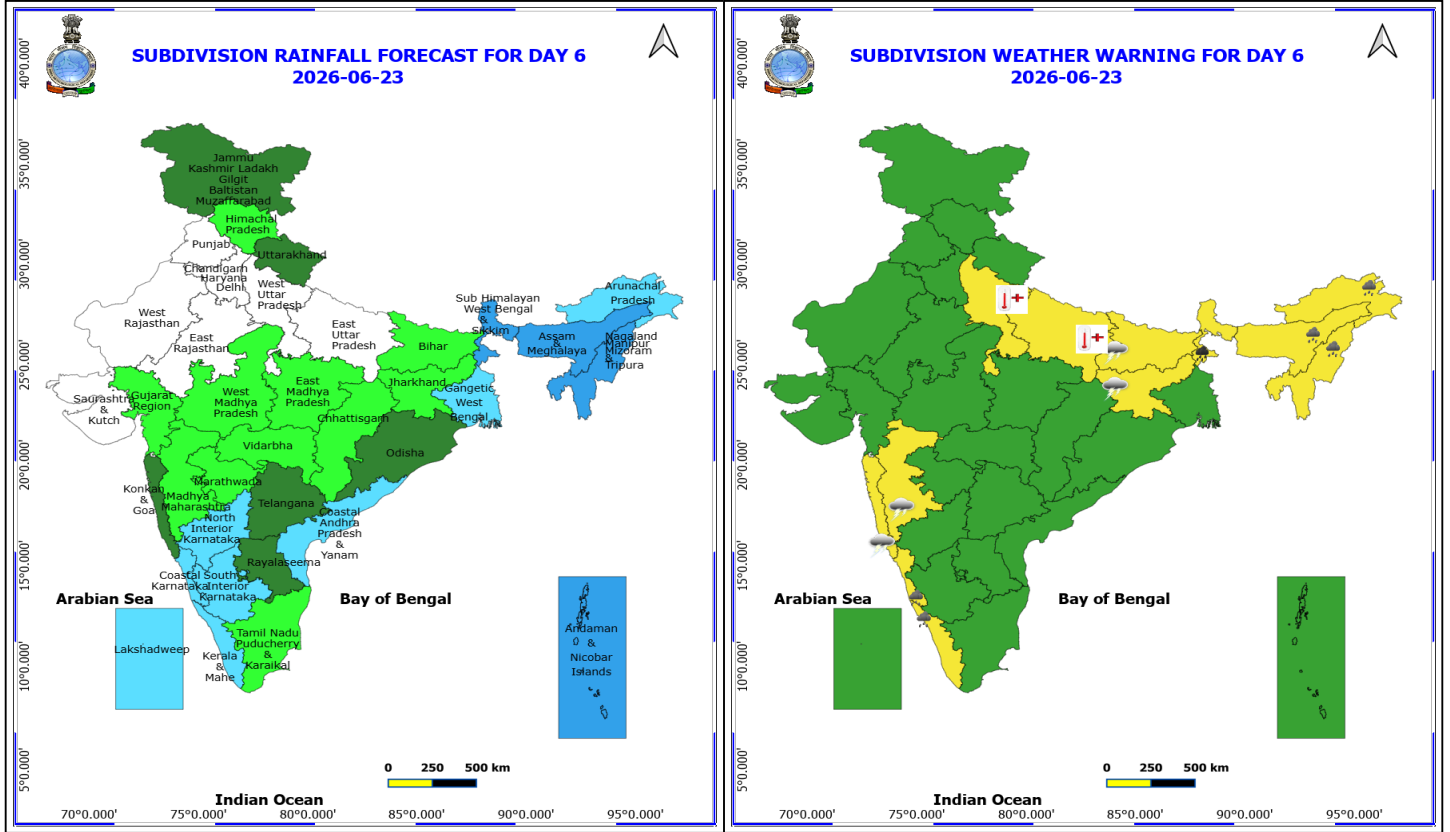
**22 June (Day 5)**

- ❖ **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, Karnataka, Kerala & Mahe and Nagaland, Manipur, Mizoram and Tripura.
  - ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Andaman & Nicobar Islands, Bihar, Chhattisgarh, Coastal Andhra Pradesh, Haryana, Chandigarh & Delhi, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Jharkhand, Konkan & Goa, Madhya Maharashtra, Madhya Pradesh, North Interior Karnataka, Odisha, Punjab, Rajasthan, Vidarbha and West Bengal & Sikkim.
  - ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Coastal Karnataka, Himachal Pradesh, Rayalaseema, South Interior Karnataka and Tamil Nadu Puducherry & Karaikal.
  - ❖ **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 South Interior Karnataka.
  - ❖ **Heat Wave conditions** likely at isolated places over Uttar Pradesh.
- 
- ❖ **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.
  - ❖ **Bay of Bengal:** Squally Weather with wind speed 40-50 kmph gusting to 60 kmph is likely to prevail over Gulf of Mannar adjoining area, along and off Odisha, north Andhra. Pradesh coasts, some parts of northwest and adjoining

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westcentral Bay of Bengal, over east central adjoining north Andaman Sea.

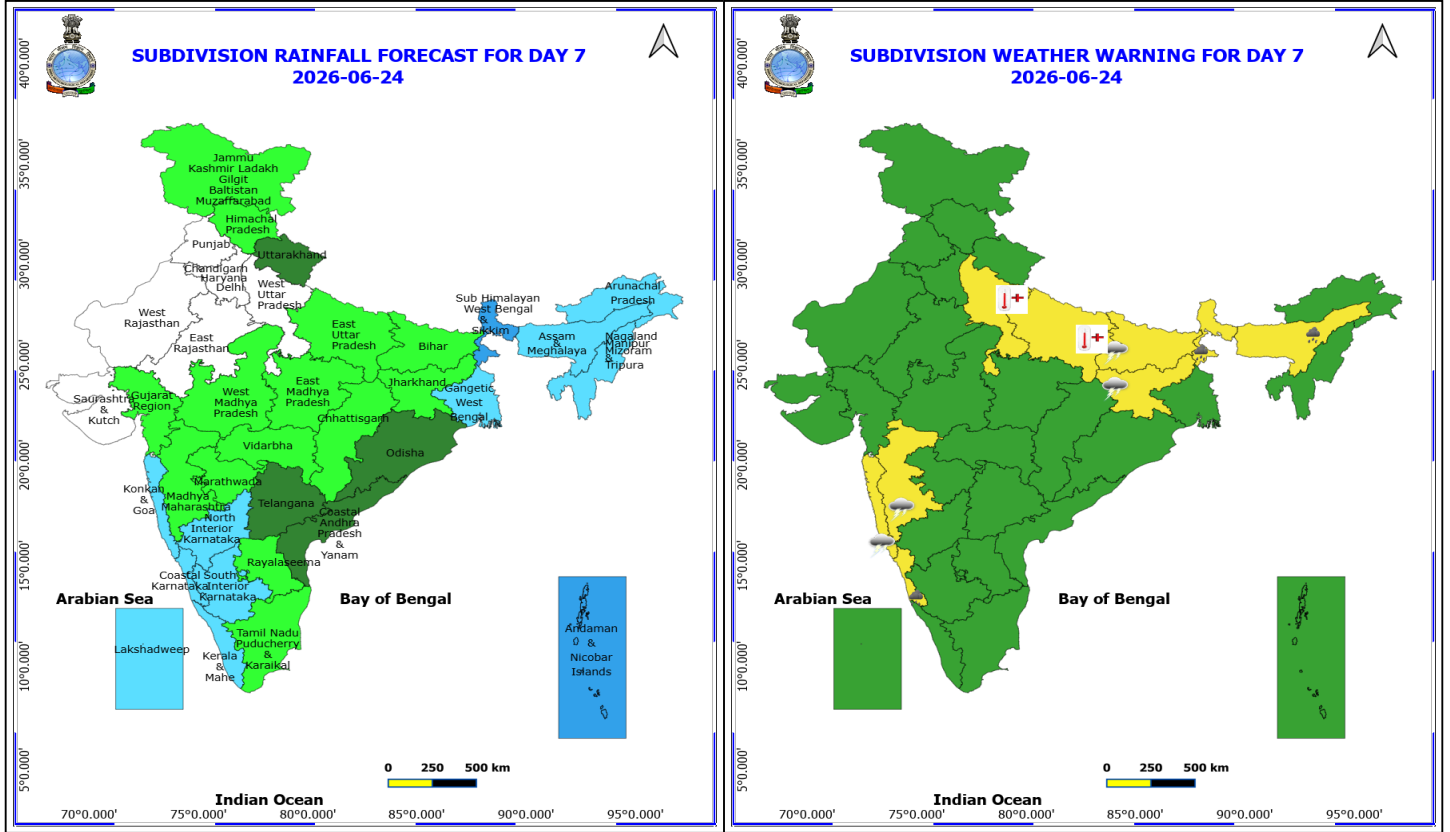


**23 June (Day 6)**

- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Sub Himalayan West Bengal & Sikkim.
- ❖ **Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Coastal Karnataka, Kerala & Mahe and Nagaland, Manipur, Mizoram and Tripura.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Bihar, Jharkhand, Konkan & Goa and Madhya Maharashtra.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Coastal Karnataka.
- ❖ **Heat Wave conditions** likely at isolated places over Uttar Pradesh.

**No Fishermen Warning**

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**24 June (Day 7)**

- ❖ **Heavy Rainfall** likely at isolated places over Assam & Meghalaya, Coastal Karnataka and Sub Himalayan West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Bihar, Jharkhand, Konkan & Goa and Madhya Maharashtra.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Coastal Karnataka.
- ❖ **Heat Wave conditions** likely at isolated places over Uttar Pradesh.

**No Fishermen Warning**

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## Table-1

### 7 Days Rainfall Forecast

| S.No. | Subdivision                  | 18-Jun | 19-Jun | 20-Jun | 21-Jun | 22-Jun | 23-Jun | 24-Jun |
|-------|------------------------------|--------|--------|--------|--------|--------|--------|--------|
|       |                              | Day 1  | Day 2  | Day 3  | Day 4  | Day 5  | Day 6  | Day 7  |
| 1     | ANDAMAN & NICOBAR ISLANDS    | FWS    | FWS    | WS     | WS     | WS     | WS     | WS     |
| 2     | ARUNACHAL PRADESH            | FWS    | WS     | WS     | WS     | WS     | FWS    | FWS    |
| 3     | ASSAM & MEHGHALAYA           | FWS    | WS     | WS     | WS     | WS     | WS     | FWS    |
| 4     | N. M. M. & T.                | WS     | FWS    | FWS    | FWS    | WS     | WS     | FWS    |
| 5     | S.H. WEST BENGAL & SIKKIM    | WS     | WS     | WS     | WS     | WS     | WS     | WS     |
| 6     | GANGETIC WEST BENGAL         | SCT    | SCT    | FWS    | FWS    | FWS    | FWS    | FWS    |
| 7     | ODISHA                       | SCT    | FWS    | FWS    | SCT    | SCT    | SCT    | SCT    |
| 8     | JHARKHAND                    | SCT    | SCT    | SCT    | SCT    | SCT    | ISOL   | ISOL   |
| 9     | BIHAR                        | SCT    | SCT    | ISOL   | ISOL   | ISOL   | ISOL   | ISOL   |
| 10    | EAST UTTAR PRADESH           | ISOL   | ISOL   | DRY    | DRY    | DRY    | DRY    | ISOL   |
| 11    | WEST UTTAR PRADESH           | ISOL   | ISOL   | ISOL   | ISOL   | ISOL   | DRY    | DRY    |
| 12    | UTTARAKHAND                  | SCT    | SCT    | SCT    | SCT    | SCT    | SCT    | SCT    |
| 13    | HARYANA, CHD & DELHI         | ISOL   | ISOL   | ISOL   | ISOL   | ISOL   | DRY    | DRY    |
| 14    | PUNJAB                       | ISOL   | ISOL   | ISOL   | ISOL   | ISOL   | DRY    | DRY    |
| 15    | HIMACHAL PRADESH             | SCT    | SCT    | FWS    | FWS    | SCT    | ISOL   | ISOL   |
| 16    | JAMMU AND KASHMIR AND LADAKH | WS     | WS     | FWS    | FWS    | FWS    | SCT    | ISOL   |
| 17    | WEST RAJASTHAN               | ISOL   | ISOL   | ISOL   | ISOL   | ISOL   | DRY    | DRY    |
| 18    | EAST RAJASTHAN               | ISOL   | ISOL   | ISOL   | ISOL   | ISOL   | DRY    | DRY    |
| 19    | WEST MADHYA PRADESH          | ISOL   | ISOL   | ISOL   | ISOL   | ISOL   | ISOL   | ISOL   |
| 20    | EAST MADHYA PRADESH          | ISOL   | ISOL   | ISOL   | ISOL   | ISOL   | ISOL   | ISOL   |
| 21    | GUJRAT REGION                | ISOL   | ISOL   | ISOL   | ISOL   | ISOL   | ISOL   | ISOL   |
| 22    | SAURASHTRA & KUTCH           | ISOL   | ISOL   | ISOL   | ISOL   | DRY    | DRY    | DRY    |
| 23    | KONKAN & GOA                 | ISOL   | ISOL   | ISOL   | ISOL   | SCT    | SCT    | FWS    |
| 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    | ISOL   | ISOL   | ISOL   | ISOL   |
| 28    | COASTAL ANDHRA PRADESH       | SCT    | SCT    | SCT    | ISOL   | SCT    | FWS    | SCT    |
| 29    | TELANGANA                    | ISOL   | ISOL   | SCT    | SCT    | SCT    | SCT    | SCT    |
| 30    | RAYALASEEMA                  | SCT    | SCT    | ISOL   | SCT    | SCT    | SCT    | ISOL   |
| 31    | TAMILNADU & PUDUCHERRY       | SCT    | FWS    | ISOL   | ISOL   | ISOL   | ISOL   | ISOL   |
| 32    | COSTAL KARNATAKA             | FWS    | FWS    | FWS    | FWS    | FWS    | FWS    | FWS    |
| 33    | NORTH INTERIOR KARNATAKA     | ISOL   | ISOL   | ISOL   | SCT    | FWS    | FWS    | FWS    |
| 34    | SOUTH INTERIOR KARNATAKA     | SCT    | SCT    | SCT    | FWS    | FWS    | FWS    | FWS    |
| 35    | KERALA                       | WS     | FWS    | FWS    | WS     | WS     | FWS    | FWS    |
| 36    | LAKSHDWEEP                   | SCT    | FWS    | WS     | WS     | WS     | 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 2026-06-17

Fig. 2: Departure of Maximum Temp. Dated 2026-06-17

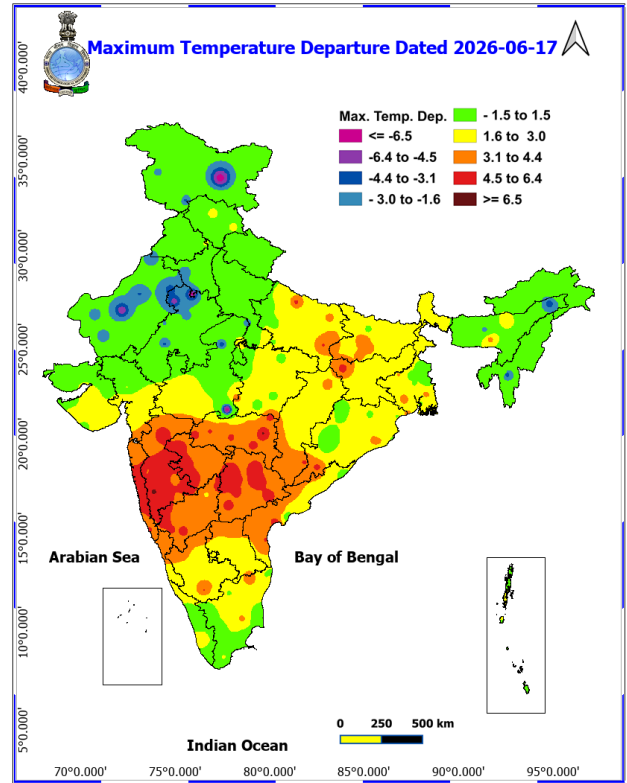
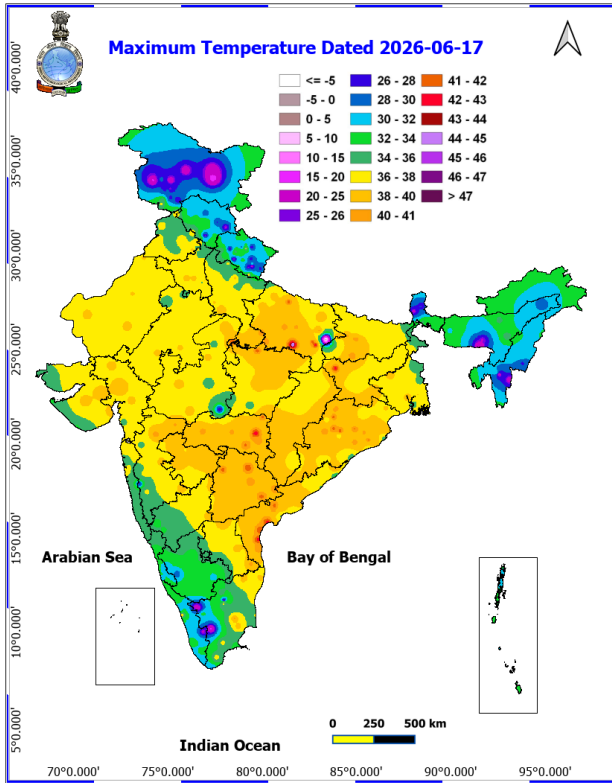
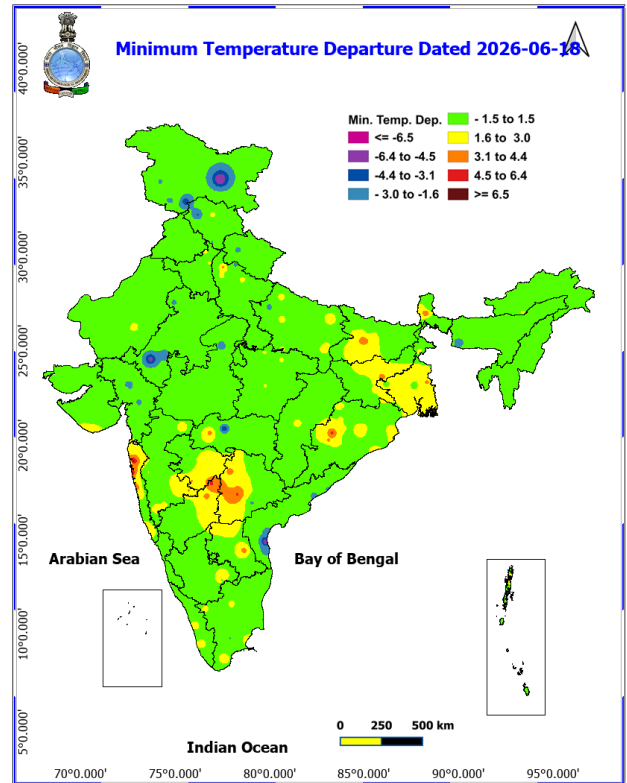
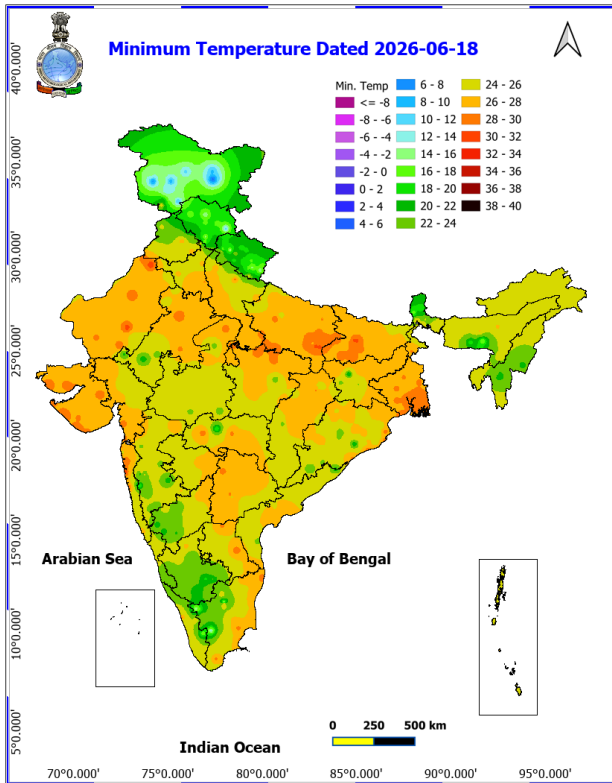
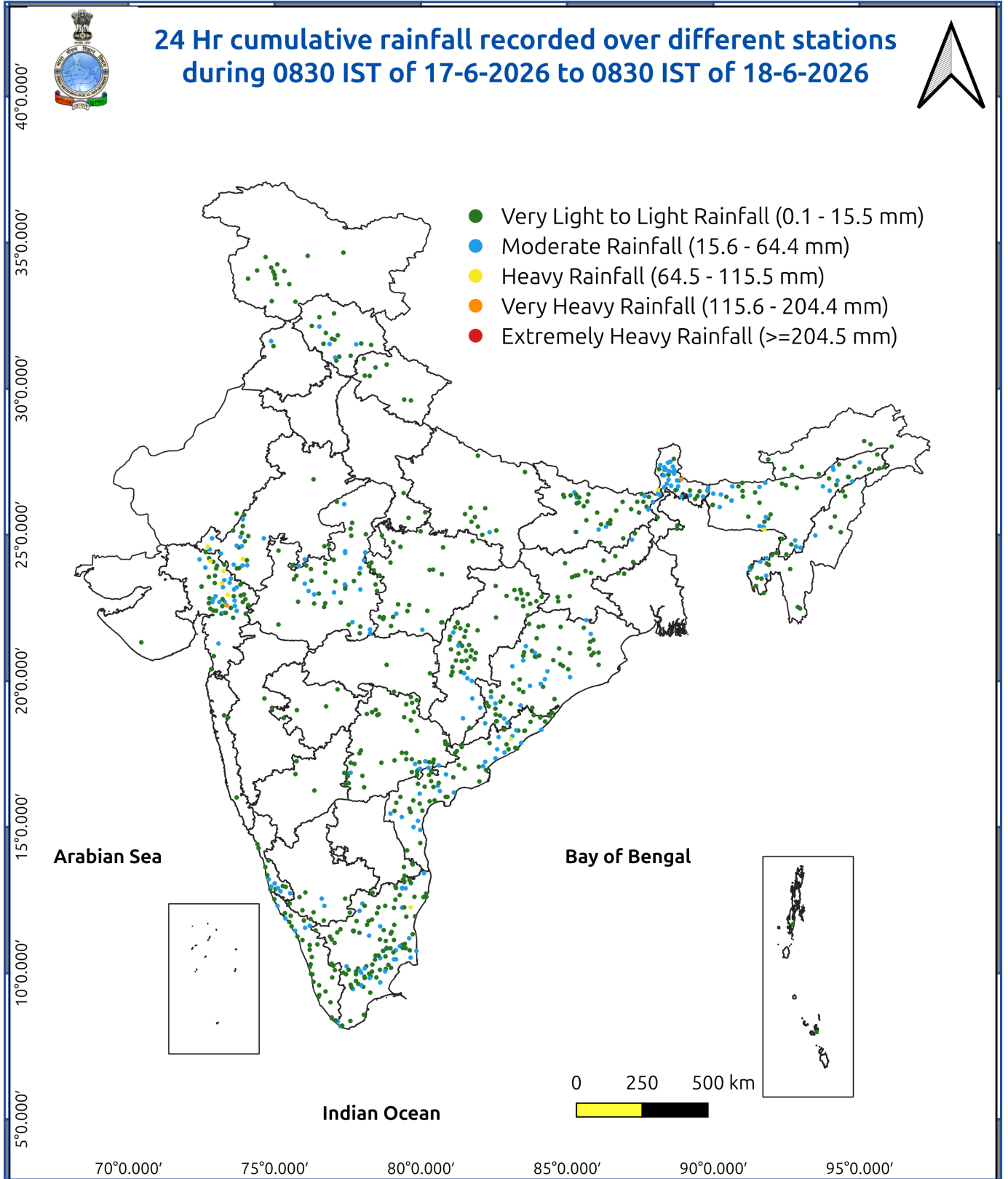


Fig. 3: Minimum Temperatures Dated 2026-06-18

Fig. 4: Departure of Minimum Temp. Dated 2026-06-18





## Impact and Actions

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

- Isolated **very heavy rainfall** likely over Sub-Himalayan West Bengal & Sikkim during 18th-19th June and during 21st-23rd June; Assam & Meghalaya during 19th-22nd June; Kerala & Mahe on 18th 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 West Rajasthan on 18th June; East Rajasthan during 18th-19th June; Bihar during 18th-19th June.
- **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over West Rajasthan during 19th-20th June; East Rajasthan on 20th June; West Madhya Pradesh during 18th-19th June; Jharkhand during 18th-20th June; Odisha during 18th-19th June.
- **Isolated Hailstorm** activity likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 18th-20th June; Himachal Pradesh and Uttarakhand during 18th-19th 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.

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- 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 Bihar, Coastal Andhra Pradesh & Yanam and Odisha on 18th June; East Uttar Pradesh during 18th-24th June; Madhya Maharashtra, Marathwada, Telangana and Vidarbha during 18th-20th June; West Uttar Pradesh during 19th-24th 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 Hailstorms.,.

- In **Jammu & Kashamir** and **Himachal Pradesh**, use hail nets or hail caps in fruit orchards and vegetable plants to protect them from mechanical damage. Ensure effective field drainage to prevent waterlogging. Undertake picking of matured fruits at the earliest. Keep the harvested produce in safe places.

##### 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. Harvest mature vegetables and fruits to avoid crop losses.
- In **Assam**, ensure proper drainage arrangements for quick removal of excess water from rice nurseries, jute, ginger, vegetables, banana, citrus and papaya. Avoid nursery sowing of *Sali* rice during heavy rainfall. 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 **Sub Himalayan West Bengal**, harvest green gram pods and cover the grains by tarpaulins to protect it from rain or store it in dry place. Keep the harvested produce of rice and other vegetables in safe and dry place. Provide adequate drainage in jute, 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 **Tamil Nadu**, maintain proper drainage in rice, cumbu, groundnut, sugarcane, banana and vegetables. Keep the harvested produce at safe places.

##### Agromet advisories for likely impact of High temperatures / Heat Waves

- In **Odisha, Bihar, Uttar Pradesh, Vidarbha, North Madhya Maharashtra, Marathwada, Coastal Andhra**

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**Pradesh and Telangana**, apply light irrigation as per requirement in vegetable crops and fruit orchards. Carry out mulching with crop residue, straw or polythene to conserve soil moisture. Use temporary shade nets to protect the fruit plants from high temperatures.

#### 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.

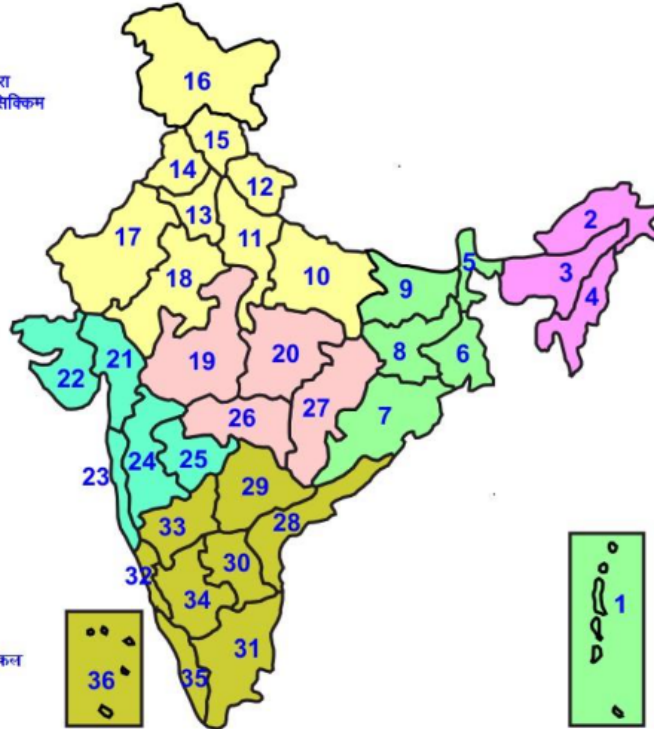
#### Legends & abbreviations:

#### Region wise classification of meteorological Sub-Divisions:

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

## 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 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              |                 |                      |                    |

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

(b). Based on Actual maximum temperature

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

(c). Criteria for heat wave for coastal stations

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



When maximum temperature remains  $40^{\circ}\text{C}$

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



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

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

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

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

(c) For Coastal Stations

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



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

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



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

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



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



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



Ice deposits on ground

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



A strong wind that rises suddenly, lasts for 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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