

2026-06-17

Time of Issue: 13:20:00 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, 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 17th-22nd June.
- **Isolated to Scattered** rainfall likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 23rd June; Himachal Pradesh and Uttarakhand during 17th-23rd June.
- **Isolated to Scattered** rainfall likely over Punjab during 18th-22nd June; Haryana Chandigarh & Delhi during 17th-22nd June; West Uttar Pradesh during 17th-19th June and on 23rd June; East Uttar Pradesh during 17th-19th June and during 22nd-23rd June; East Rajasthan and West Rajasthan during 17th-23rd June.
- **Isolated thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 17th-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 on 17th 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 on 17th June and during 20th-23rd 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 on 19th June.
- **Isolated Hailstorm** activity likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 18th-19th June; Himachal Pradesh during 17th-19th June.
- **Duststorm** activity likely over West Rajasthan during 17th-19th June.

##### Central India:

- **Isolated to Scattered** rainfall likely over West Madhya Pradesh during 17th-19th June; East Madhya Pradesh during 17th-19th June and during 22nd-23rd June; Chhattisgarh and Vidarbha during 17th-23rd June.
- **Isolated thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over East Madhya Pradesh and West Madhya Pradesh during 17th-19th June; Chhattisgarh and Vidarbha during 17th-21st June.

##### East India:

- **Fairly Widespread to Widespread** rainfall likely over Andaman & Nicobar Islands and Sub-Himalayan West Bengal & Sikkim during 17th-23rd June; Gangetic West Bengal during 20th-23rd June; Odisha during 19th-20th June.
- **Isolated to Scattered** rainfall likely over Gangetic West Bengal during 17th-19th June; Bihar and Jharkhand during 17th-23rd June; Odisha during 17th-18th June and during 21st-23rd June.
- **Isolated thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Andaman & Nicobar Islands during 17th-23rd June; Sub-Himalayan West Bengal & Sikkim during 17th-19th June; Gangetic West Bengal during 17th-21st June; Jharkhand during 17th-18th June and during

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22nd-23rd June; Bihar on 17th June and during 20th-23rd June; Odisha during 19th-21st June.

- Isolated **heavy rainfall** likely over Sub-Himalayan West Bengal & Sikkim on 23rd June; Bihar during 17th-20th June; Odisha on 19th June with isolated **very heavy rainfall** also likely over Sub-Himalayan West Bengal & Sikkim during 17th-22nd June.
- **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Jharkhand during 19th-21st June; Bihar during 18th-19th June; Odisha during 17th-18th June.

#### Northeast India:

- **Fairly Widespread to Widespread** rainfall likely over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 17th-23rd June.
- Isolated **thunderstorm & lightning** likely over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 17th-23rd June.
- Isolated **heavy rainfall** likely over Arunachal Pradesh and Nagaland, Manipur, Mizoram & Tripura during 17th-23rd June with isolated **very heavy rainfall** also likely over Assam & Meghalaya during 17th-23rd June.

#### West India:

- **Isolated to Scattered** rainfall likely over Konkan & Goa, Madhya Maharashtra and Marathawada during 17th-23rd June; Gujarat Region during 17th-18th June; Saurashtra & Kutch on 17th June.
- Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Konkan & Goa and Marathawada during 18th-19th June; Madhya Maharashtra during 17th-18th June.

#### South Peninsular India:

- **Isolated to Scattered** rainfall likely over Coastal Andhra Pradesh & Yanam, North Interior Karnataka, Rayalaseema and Tamil Nadu, Puducherry & Karaikal during 17th-23rd June; Lakshadweep during 17th-18th June; Coastal Karnataka during 17th-22nd June; South Interior Karnataka during 17th-20th June; Telangana during 17th-20th June and during 22nd-23rd June.
- **Fairly Widespread to Widespread** rainfall likely over Kerala & Mahe during 17th-23rd June; Lakshadweep during 19th-23rd June; Coastal Karnataka on 23rd June; South Interior Karnataka during 21st-23rd June; Telangana on 21st June.
- Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Coastal Andhra Pradesh & Yanam, North Interior Karnataka and Tamil Nadu, Puducherry & Karaikal during 17th-21st June; Telangana during 17th-18th June and during 21st-23rd June, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Kerala & Mahe during 17th-18th June; Coastal Karnataka and South Interior Karnataka during 17th-21st June.
- Isolated **heavy rainfall** likely over Tamil Nadu, Puducherry & Karaikal during 17th-21st June; Kerala & Mahe on 18th June and during 21st-23rd June with isolated **very heavy rainfall** also likely over Kerala & Mahe on 17th June.

#### Forecast of maximum/day temperatures:

- Gradual rise in maximum temperatures by 2-3°C likely over Central India till 19<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 during 19<sup>th</sup> -21<sup>st</sup> June and no significant change thereafter.
- Gradual rise in maximum temperatures by 2°C likely over Maharashtra till 19<sup>th</sup> June and gradual fall by 2-3°C thereafter.
- No significant change in maximum temperatures likely over the rest parts of country till 23<sup>rd</sup> June 2026.

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

- **Heat wave** conditions very likely in isolated pockets over Bihar and Odisha during 17th-18th June; Chhattisgarh on 17th June; East Madhya Pradesh and West Madhya Pradesh during 17th-21st June; East Uttar Pradesh during 17th-22nd June; Madhya Maharashtra and Telangana during 17th-19th June; Marathawada during

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18th-19th June; Vidarbha during 17th-20th June; West Uttar Pradesh during 19th-22nd June.

- **Hot and humid** weather conditions likely to prevail over Coastal Andhra Pradesh & Yanam, Gangetic West Bengal, Odisha and Rayalaseema during 17th-18th June; Konkan & Goa during 17th-19th June.

**Fisherman Warning:**

- Fishermen are advised not to venture into the following areas during 17<sup>th</sup> June to 22<sup>nd</sup> June, 2026:
- **Bay of Bengal:** Over Gulf of Mannar adjoining Comorin area, south Sri Lanka coasts adjoining some parts of southwest Bay of Bengal during 17<sup>th</sup> to 22<sup>st</sup> June, along and off Odisha, Gangetic west Bengal adjoining northwest Bay of Bengal during 18<sup>th</sup> to 22<sup>nd</sup> June; south Myanmar coasts adjoining northeast & eastcentral Bay of Bengal and North Andaman Sea during 17<sup>th</sup> to 19<sup>th</sup> June.
- **Arabian Sea:** Along and off Somalia coast adjoining parts of southwest & westcentral Arabian Sea; during 17<sup>th</sup> to 22<sup>th</sup> June; along and off Oman coast adjoining few parts of northwest & westcentral Arabian Sea during 18<sup>th</sup> to 22<sup>nd</sup> June.

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### 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 Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad; **at a few places** over Andaman & Nicobar Islands, Arunachal Pradesh, Gangetic West Bengal, Odisha and Haryana-Chandigarh-Delhi; **at isolated places** over Jharkhand, Bihar, East Uttar Pradesh, West Uttar Pradesh, Uttarakhand, Punjab, Himachal Pradesh, West Rajasthan, East Rajasthan, West Madhya Pradesh, East Madhya Pradesh, Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra, Marathwada, Chhattisgarh, Coastal Andhra Pradesh & Yanam, Telangana and Tamil Nadu, Puducherry & Karaikal; **Dry** over rest of the country.

❖ **Significant rainfall recorded(in cm)** (from 0830 hours IST of yesterday to 0830 hours IST of today): **Assam & Meghalaya:** Udaipur (dist Tinsukia) 17; Cherrapunji (dist East Khasi Hills), Cherrapunji(rkm) (dist East Khasi Hills) 11 Each; Williamnagar (dist East Garo Hills), Bhaghmara (dist South Garo Hills) 10 Each; Mawsynram (dist East Khasi Hills), Mawkyrat (dist South West Khasi Hills) 9 Each; Chauldhowaghat (dist Lakhimpur), Hazuah (dist Barpeta) 7 Each; Jowai (dist West Jaintia Hills), Shella (dist East Khasi Hills), Chouldhuwaghat ARG (dist Lakhimpur) 6 Each; **Sub Himalayan West Bengal & Sikkim:** Kumargram Tea Estate (dist Alipurduar) 13; Alipurduar PTO (dist Alipurduar), Sankos Tea Estate (dist Alipurduar) 12 Each; Newlands Tea Garden (dist Alipurduar) 10; Falakata (dist Alipurduar) 8; Aryaman Tea Estate (dist Alipurduar), Raidak Tea Estate (dist Alipurduar) 7 Each; Singimari (dist Cooch Behar), Dalgaon Tea Estate (dist Alipurduar), Majherdabri Tea Garden (dist Alipurduar) 6 Each; **Arunachal Pradesh:** Deomali AWS (dist Tirap) 13; **Nagaland, Manipur, Mizoram & Tripura:** Lengpui (dist Aizawl) 8; Sabroom (dist South Tripura) 7; Sabroom AWS (dist South Tripura) 6; **Gangetic West Bengal:** Panagarh (IAF) (dist Paschim Bardhaman) 8; **Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad:** Lolab (dist Kupwara) 8; **West Madhya Pradesh:** Chachoda (dist Guna) 7; **East Rajasthan:** Malsisar SR (dist Jhunjhunu) 7; **Odisha:** Banarpal (dist Angul) 7; Dhamnagar (dist Bhadrak), Khajuripada (dist Kandhamal) 6 Each; **Himachal Pradesh:** Kataula (dist Mandi) 6; **East Uttar Pradesh:** Uska Bazar Fmo (dist Siddharth Nagar) 6.

❖ **Heavy Rainfall observed** (from 0830 hours IST of yesterday to 0830 hours IST of today):**Heavy to very heavy rain** at isolated places over Arunachal Pradesh, Assam & Meghalaya and Sub Himalayan West Bengal & Sikkim. **Heavy rain** at isolated places over Nagaland, Manipur, Mizoram & Tripura, Gangetic West Bengal, Odisha, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad, East Rajasthan and West Madhya Pradesh.

• **Heatwave conditions** prevailed at isolated places over Odisha, Vidarbha.

❖ **Minimum Temperature Departures (as on 17-06-2026): markedly above normal(> 5.1°C)** at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Odisha, East Uttar Pradesh, West Uttar Pradesh, West Madhya Pradesh, East Madhya Pradesh, Gujarat Region, Saurashtra & Kutch and Coastal Andhra Pradesh & Yanam. **appreciably above normal(3.1°C to 5.0°C)** at many places over Konkan & Goa, Chhattisgarh and Coastal Karnataka; at few places over Sub Himalayan West Bengal & Sikkim, Gangetic West Bengal, Vidarbha and Lakshadweep; at isolated places over Andaman & Nicobar Islands, Bihar, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad, Madhya Maharashtra, Marathwada, Telangana, Rayalaseema, Tamil Nadu, Puducherry & Karaikal, North Interior Karnataka and Kerala & Mahe. **above normal(1.6°C to 3.0°C)** at few places over Arunachal Pradesh, Punjab and South Interior Karnataka; at isolated places over Jharkhand and East Rajasthan. **near normal(-1.5°C to 1.5°C)** at many places over Himachal Pradesh; at most places over Uttarakhand; at isolated places over Haryana-Chandigarh-Delhi and West Rajasthan. **The lowest minimum temperature** of 20.0°C was reported at JEUR (MAHARASTRA) over the Plains of India.

❖ **Maximum Temperature Departures (as on 16-06-2026): markedly above normal(> 5.1°C)** at isolated places over Tamil Nadu, Puducherry & Karaikal. **appreciably above normal(3.1°C to 5.0°C)** at most places over West Uttar Pradesh; at few places over East Uttar Pradesh and East Madhya Pradesh. **near normal(-1.5°C to 1.5°C)** at most places over Coastal Andhra Pradesh & Yanam; at few places over Rayalaseema, North Interior Karnataka and Kerala & Mahe. **The highest maximum temperature** of 44.0°C was reported at PRAYAGRAJ (UTTAR PRADESH).

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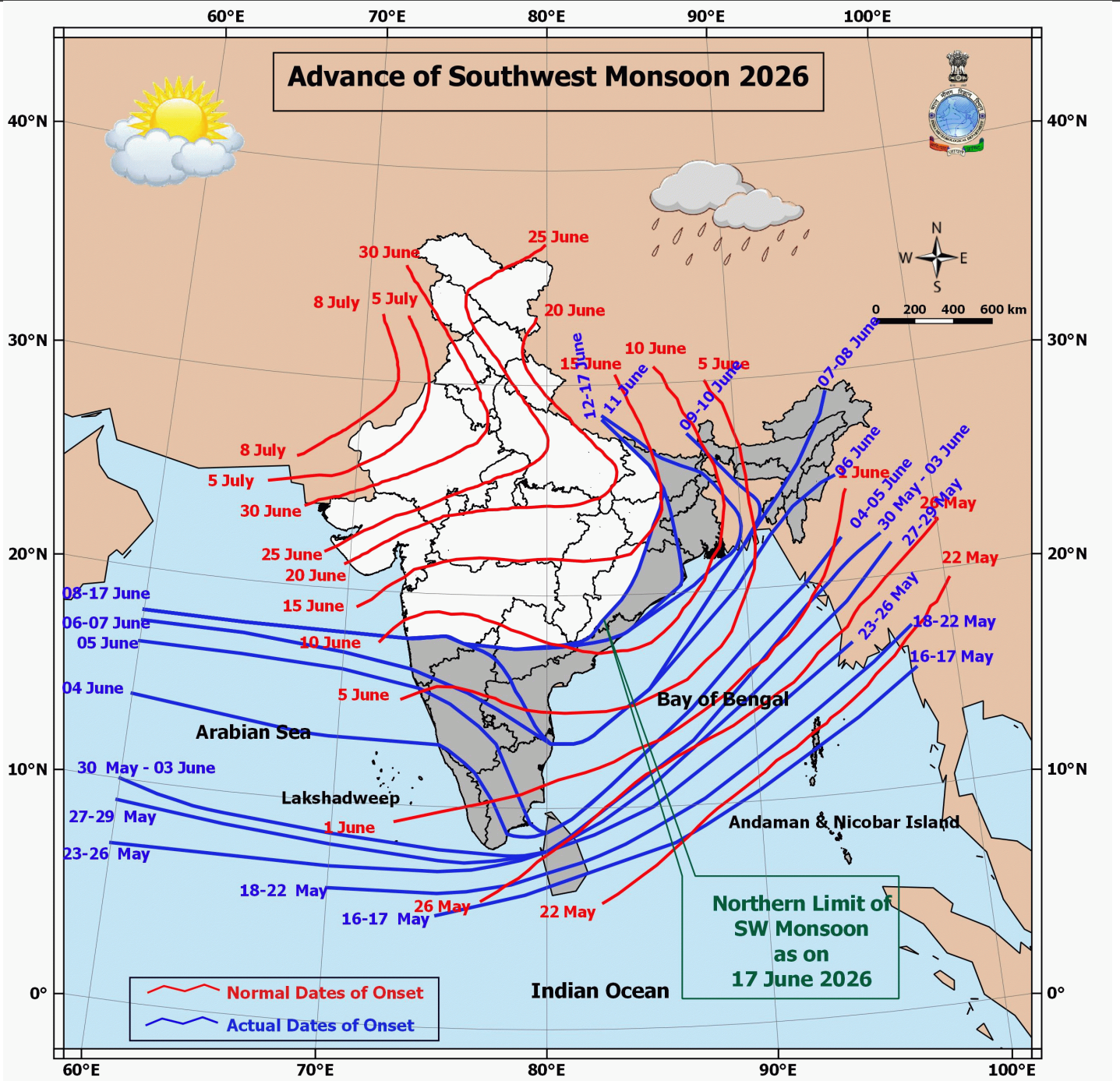
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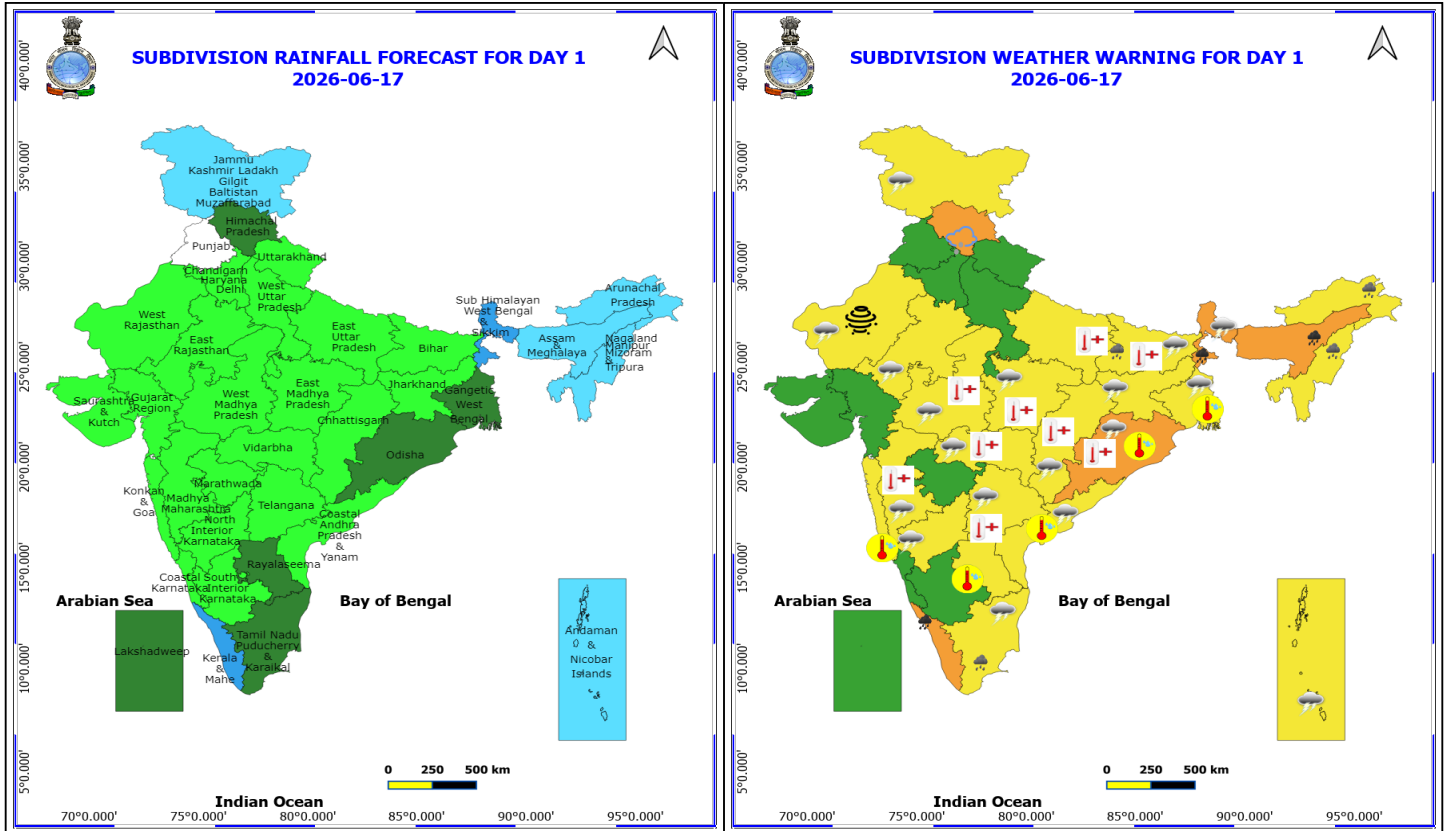
**Meteorological Analysis (Based on 0830 hours IST)**

- **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.
- The **Western Disturbance** as a cyclonic circulation lies 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 runs roughly along Long. 72°E to the north of Lat. 32°N.
- An **induced upper air cyclonic circulation** lies over south Punjab & neighbourhood and extends upto 1.5 km above mean sea level.
- An **upper air cyclonic circulation** lies over Northwest Uttar Pradesh & neighbourhood between 3.1 & 5.8 km above mean sea level.
- The **trough** from East Uttar Pradesh to south Coastal Andhra Pradesh across East Madhya Pradesh, East Vidarbha and Telangana persists and extends upto 1.5 km above mean sea level.
- An **upper air cyclonic circulation** lies over East Vidarbha & adjoining South Chhattisgarh at 5.8 km above mean sea level.
- The **trough** from Westcentral Bay of Bengal to Coastal Kerala now seen from North Tamil Nadu to Lakshadweep at 3.1 Km above mean sea level.
- The **upper air cyclonic circulation** over south Madhya Maharashtra & neighbourhood at 5.8 km above mean sea level has become less marked.
- A fresh **Western Disturbance** likely to affect Northwest India from 18<sup>th</sup> June, 2026.
- The **upper air cyclonic circulation** over Haryana & neighbourhood extending upto 1.5 km above mean sea level has become less marked.



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**17 June (Day 1)**

- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Assam & Meghalaya, Kerala & Mahe 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.
- ❖ **Thundersquall with wind speed reaching(50-60kmph)** very likely at isolated places over Odisha.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Andaman & Nicobar Islands, Bihar, Chhattisgarh, Coastal Andhra Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Jharkhand, Madhya Maharashtra, Madhya Pradesh, North Interior Karnataka, Rajasthan, Tamil Nadu Puducherry & Karaikal, Telangana, 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 and South Interior Karnataka.
- ❖ **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.
- ❖ **Heat Wave conditions** very likely at isolated places over Bihar, Chhattisgarh, East Uttar Pradesh, Madhya Maharashtra, Madhya Pradesh, Odisha, Telangana and Vidarbha.

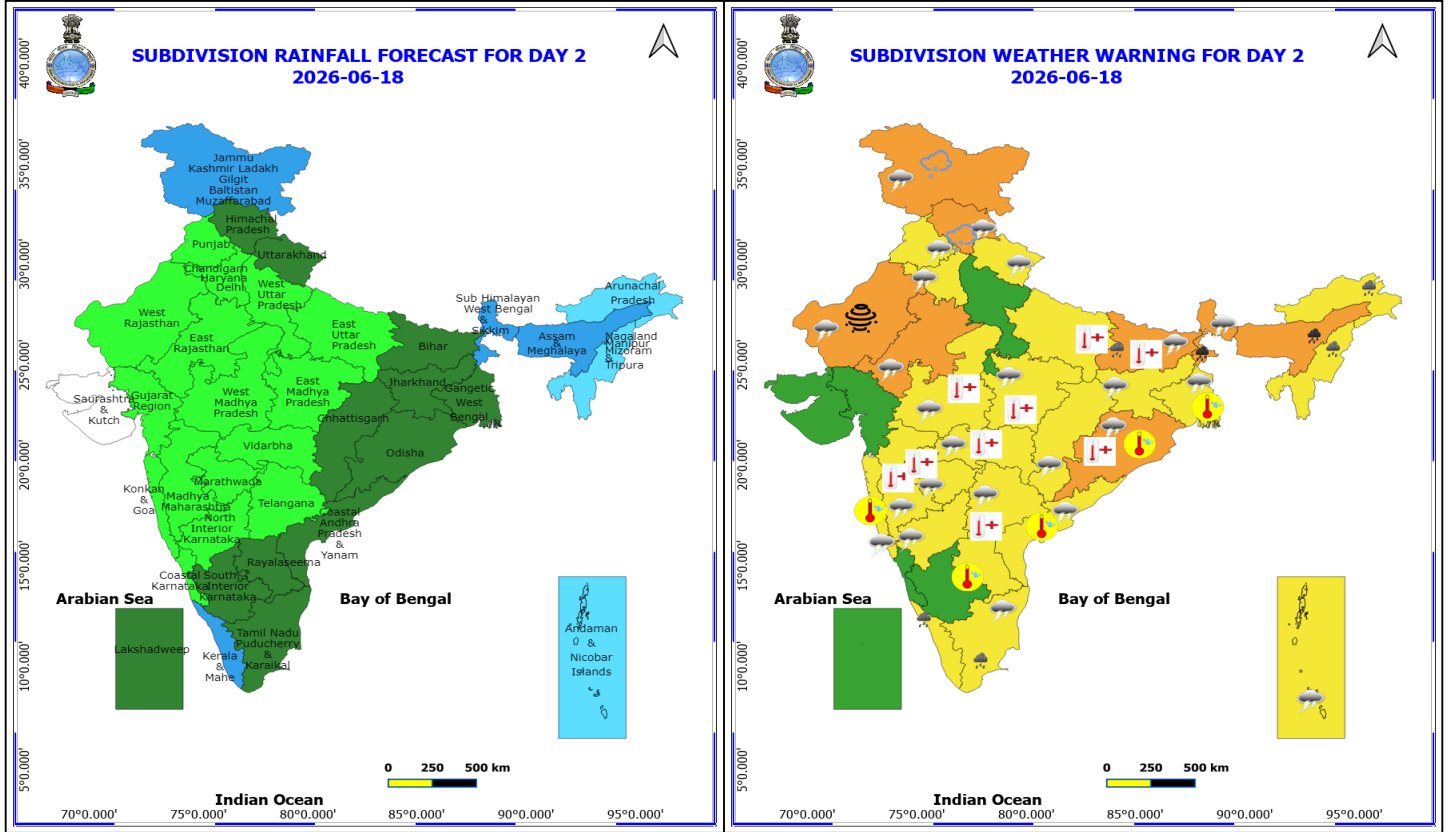
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❖ **Hot and Humid weather** very likely at isolated places over Andhra Pradesh, Gangetic West Bengal, Konkan & Goa and Odisha.

❖ **Arabian Sea: Squally wind with speed 45-55 kmph gusting to 65 kmph** is likely to prevail along and off Somalia, most parts of southwest & adjoining westcentral Arabian sea; along and off North Oman coasts, many 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 adjoining Comorin area, along and off Sri Lanka coasts; most parts of southwest adjoining southeast Bay of Bengal and North Andaman Sea adjoining south Andaman Sea.



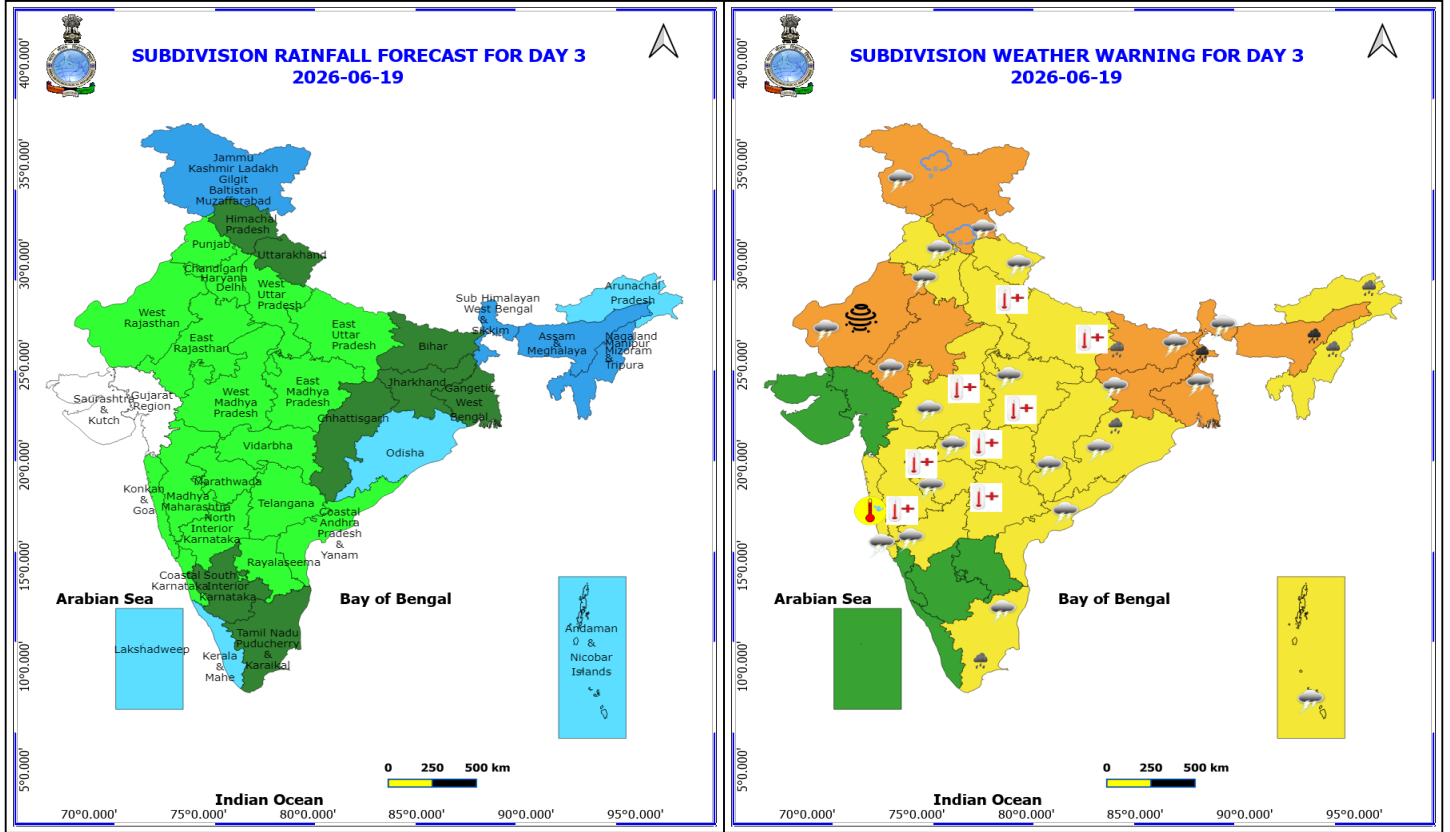
**18 June (Day 2)**

- ❖ **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, Kerala & Mahe, Nagaland, Manipur, Mizoram and Tripura and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with Hailstorm** very likely at isolated places over Himachal Pradesh and Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad.
- ❖ **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 Bihar and Odisha.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Andaman & Nicobar Islands, Chhattisgarh, Coastal Andhra Pradesh, Haryana, Chandigarh & Delhi, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Jharkhand, Konkan & Goa, Madhya Pradesh, 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, Kerala & Mahe and South Interior Karnataka.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya 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 Bihar, East Uttar Pradesh, Madhya Pradesh, Maharashtra, Odisha and Telangana.
  - ❖ **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, most parts of southwest & adjoining westcentral Arabian sea; along and off North Oman coasts, many 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 adjoining Comorin area, along and off Sri Lanka coasts; many parts of southwest adjoining southeast Bay of Bengal and North Andaman Sea adjoining south Andaman Sea.



**19 June (Day 3)**

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

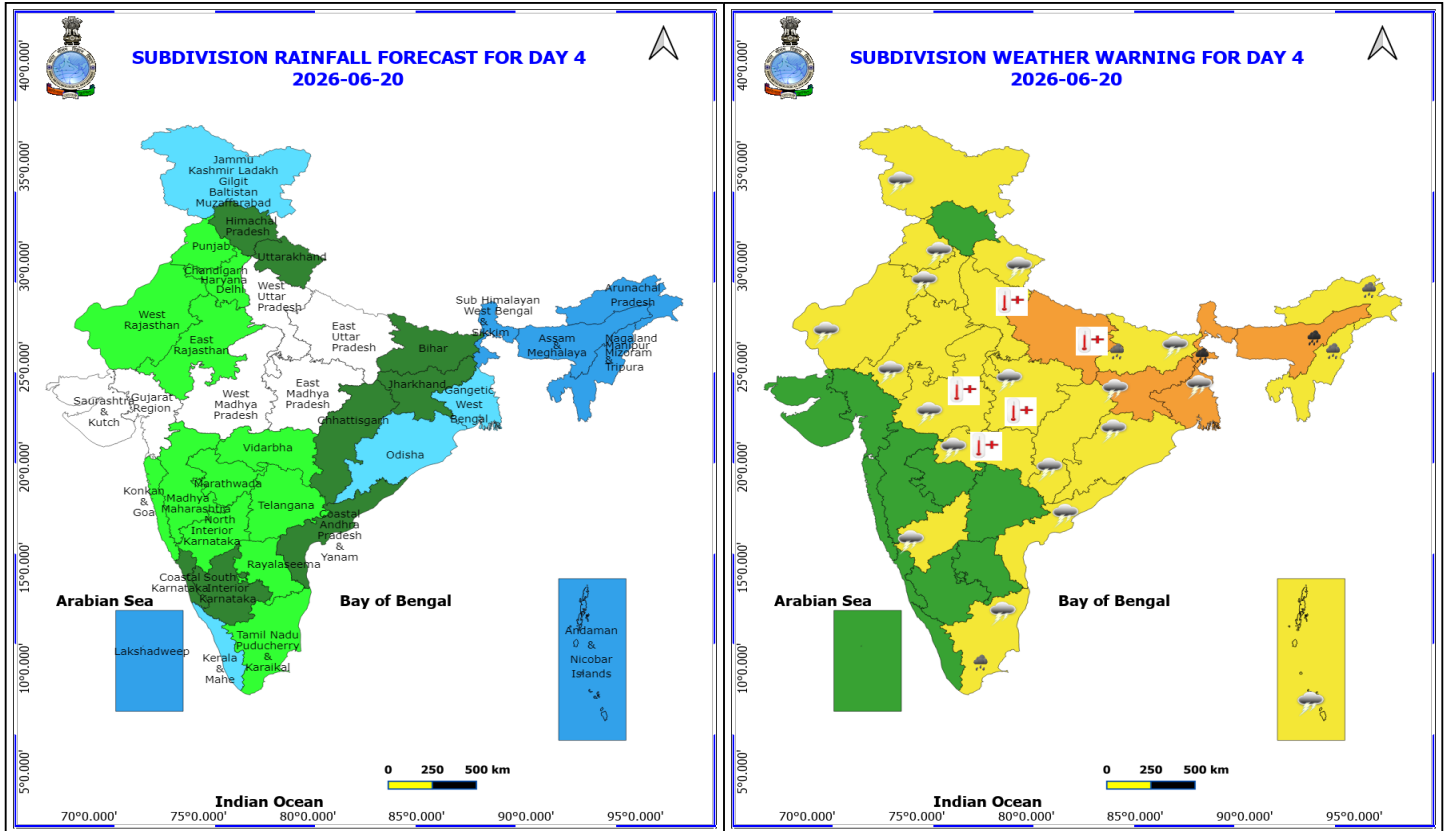
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- ❖ **Dust Storm** very likely at isolated places over West Rajasthan.
  - ❖ **Heat Wave conditions** very likely at isolated places over Madhya Pradesh, Maharashtra, Telangana and Uttar Pradesh.
  - ❖ **Hot and Humid weather** very likely at isolated 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, most parts of southwest & adjoining westcentral Arabian sea; along and off North Oman coasts, many 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 adjoining Comorin area, along and off Sri Lanka coasts; most parts of southwest adjoining southeast Bay of Bengal.



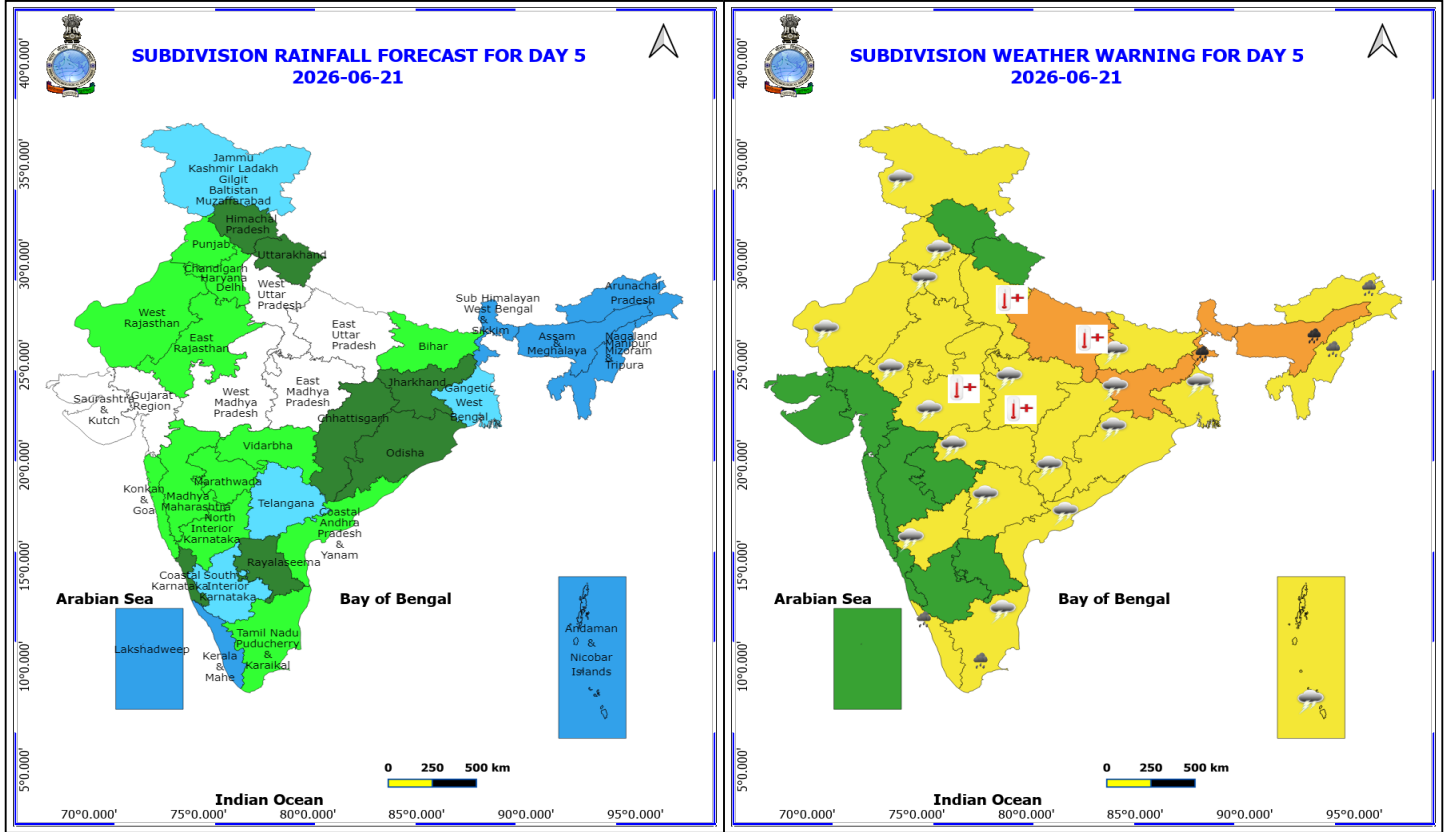
**20 June (Day 4)**

- ❖ **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, Bihar, Nagaland, Manipur, Mizoram and Tripura and Tamil Nadu Puducherry & Karaikal.
  - ❖ **Thundersquall with wind speed reaching(50-60kmph)** likely at isolated places over Jharkhand.
  - ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Andaman & Nicobar Islands, Bihar, Chhattisgarh, Coastal Andhra Pradesh, Gangetic West Bengal, Haryana, Chandigarh & Delhi, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Madhya Pradesh, North Interior Karnataka, Odisha, Punjab, Rajasthan, Tamil Nadu Puducherry & Karaikal, Uttarakhand and Vidarbha.
  - ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Coastal Karnataka and South Interior Karnataka.
  - ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram and Tripura.
  - ❖ **Heat Wave conditions** likely at isolated places over Madhya Pradesh, Uttar Pradesh and Vidarbha.
- 
- ❖ **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 North 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

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of Mannar adjoining Comorin area, along and off Sri Lanka coasts; most parts of southwest adjoining westcentral Bay of Bengal.



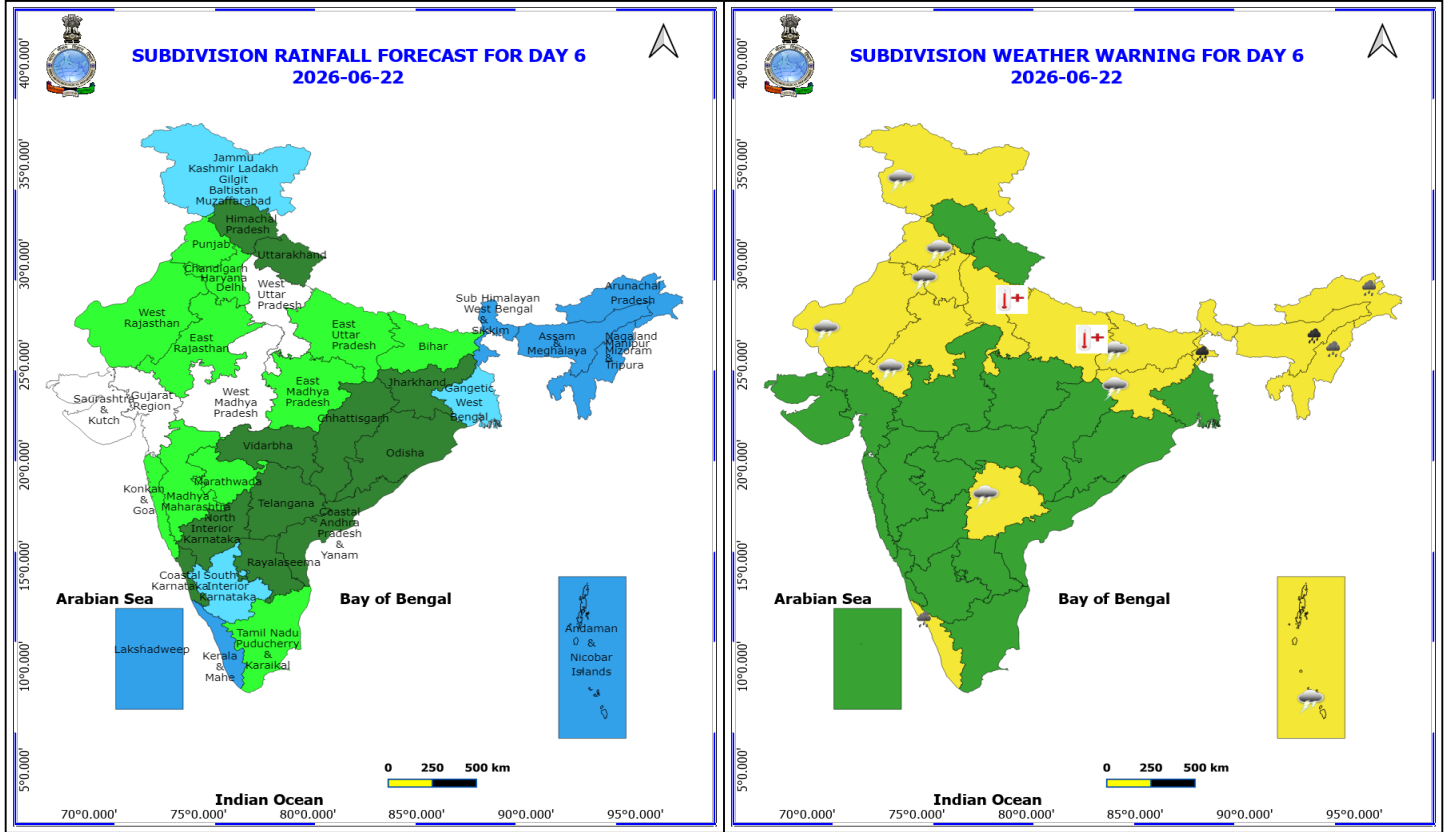
**21 June (Day 5)**

- ❖ **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, Kerala & Mahe, Nagaland, Manipur, Mizoram and Tripura and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thundersquall with wind speed reaching(50-60kmph)** likely at isolated places over Jharkhand.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Andaman & Nicobar Islands, Bihar, Chhattisgarh, Coastal Andhra Pradesh, Gangetic West Bengal, Haryana, Chandigarh & Delhi, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Madhya Pradesh, North Interior Karnataka, Odisha, Punjab, Rajasthan, Tamil Nadu Puducherry & Karaikal, Telangana and Vidarbha.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Coastal Karnataka and South Interior Karnataka.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram and Tripura.
- ❖ **Heat Wave conditions** likely at isolated places over Madhya Pradesh and Uttar Pradesh.

**No Fishermen Warning**

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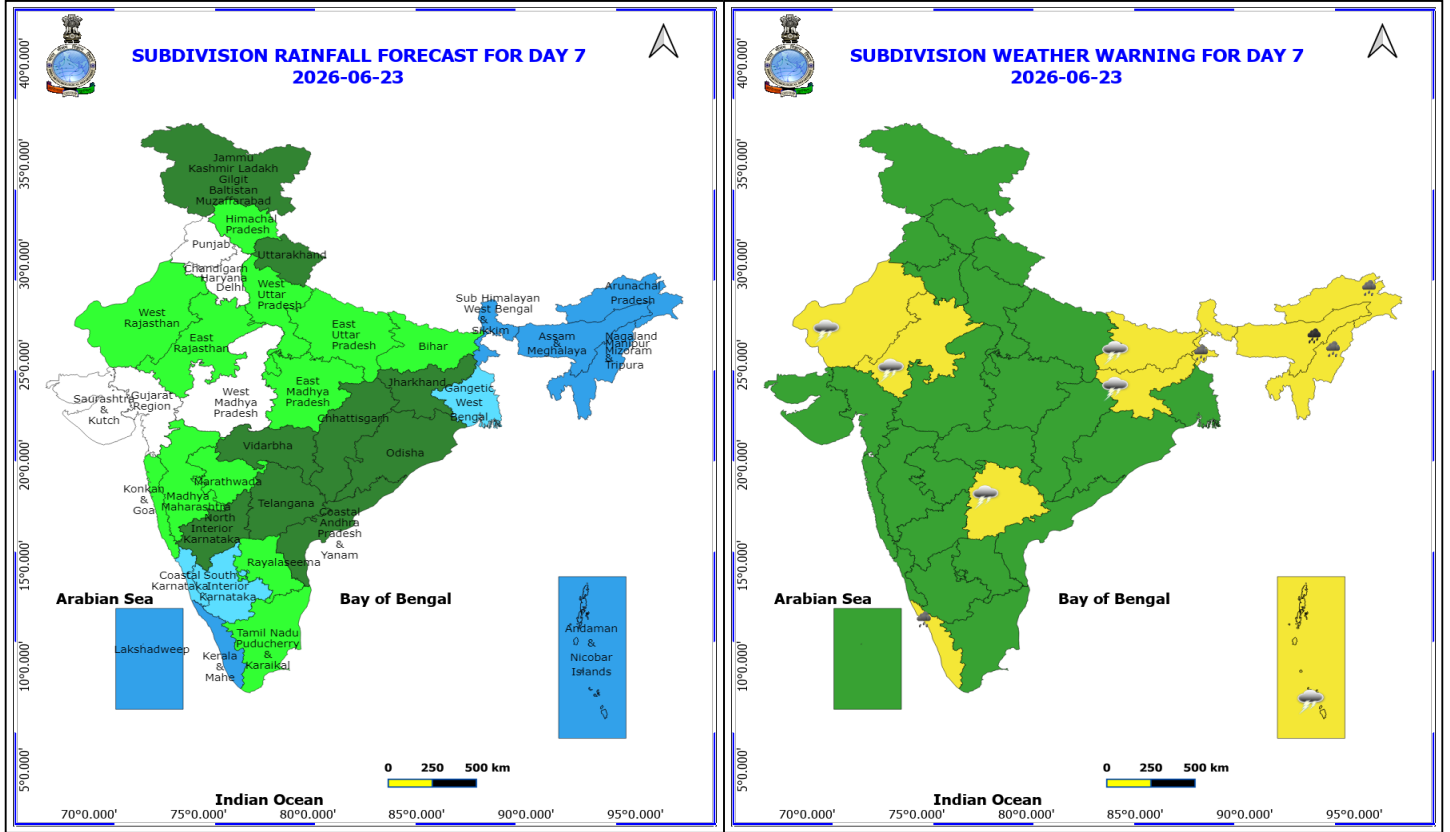
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**22 June (Day 6)**

- ❖ **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, 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, Haryana, Chandigarh & Delhi, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Jharkhand, Punjab, Rajasthan and Telangana.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram and Tripura.
- ❖ **Heat Wave conditions** likely at isolated places over Uttar Pradesh.

**No Fishermen Warning**



**23 June (Day 7)**

- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Assam & Meghalaya.
- ❖ **Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Kerala & Mahe, Nagaland, Manipur, Mizoram and Tripura and Sub Himalayan West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Andaman & Nicobar Islands, Bihar, Jharkhand, Rajasthan and Telangana.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram and Tripura.

**No Fishermen Warning**



## Table-1

### 7 Days Rainfall Forecast

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

Legend	Category	%Stations
WS	Widespread/Most Places	76-100
FWS	Fairly Widespread/Many Places	51-75
SCT	Scattered/ A Few Places	26-50
ISOL	Isolated Places	1-25
DRY	No Rain	0

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Fig. 1: Maximum Temperatures Dated 2026-06-16

Fig. 2: Departure of Maximum Temp. Dated 2026-06-16

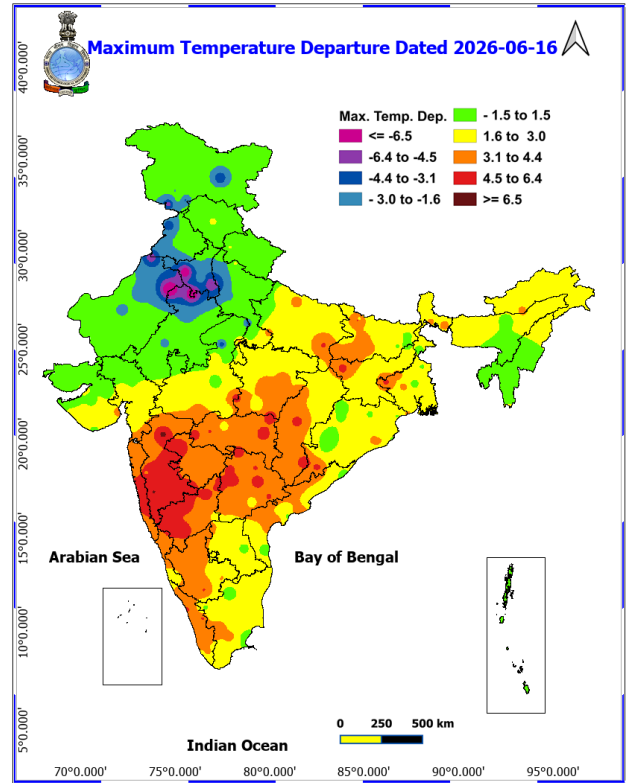
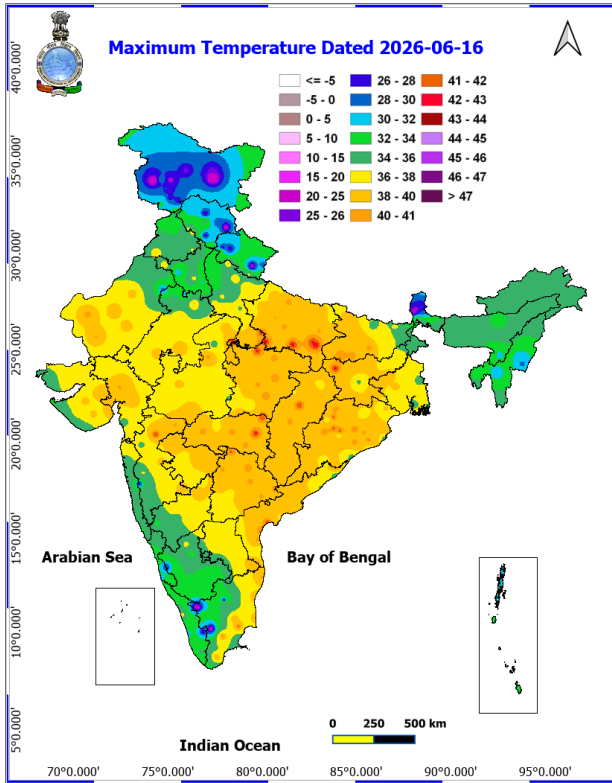
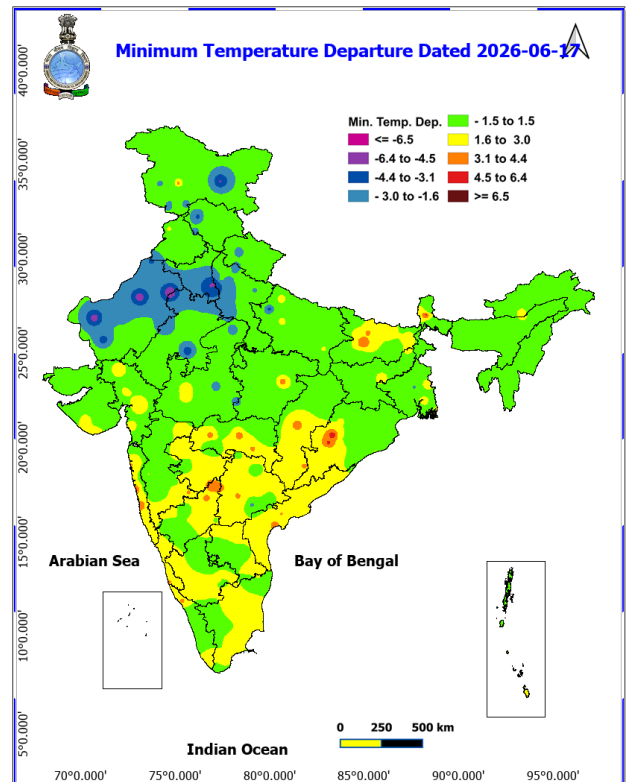
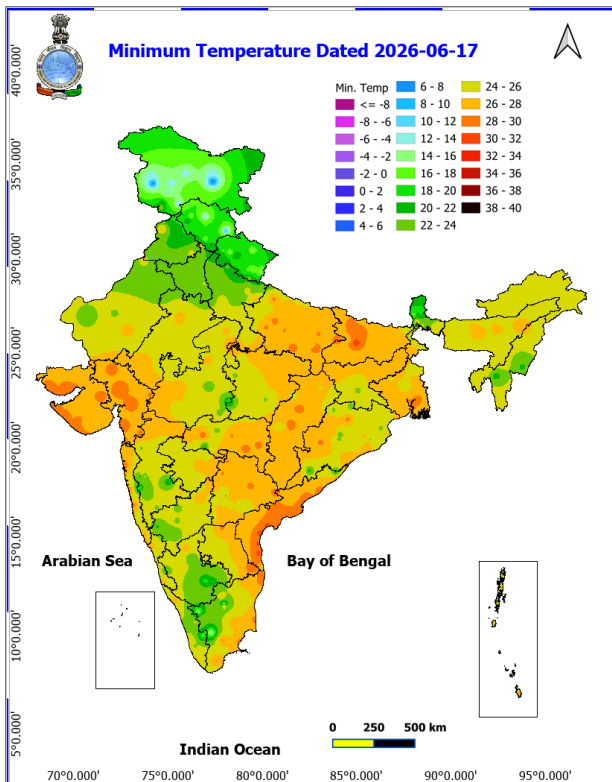
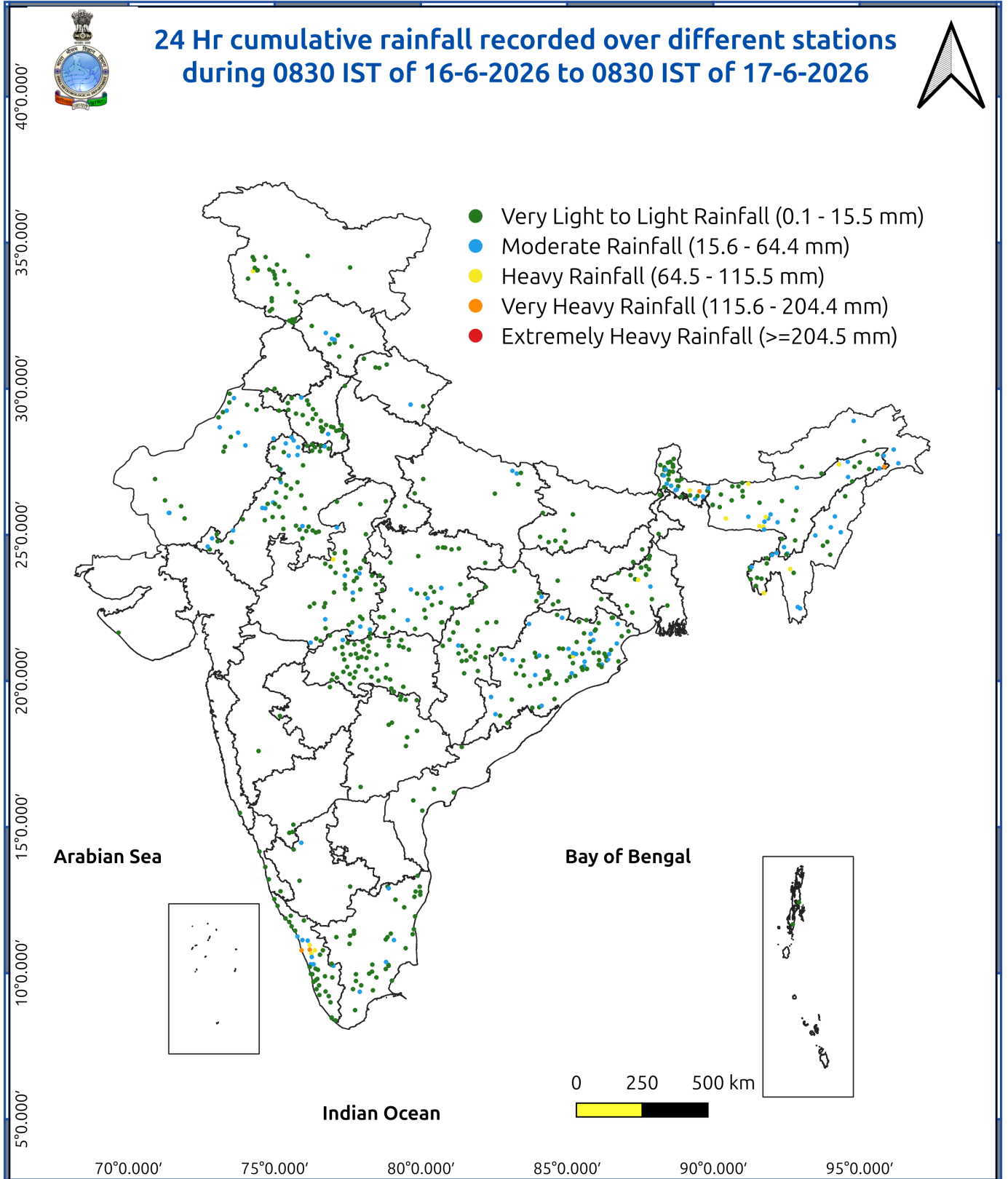


Fig. 3: Minimum Temperatures Dated 2026-06-17

Fig. 4: Departure of Minimum Temp. Dated 2026-06-17





## Impact and Actions

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

- Isolated **very heavy rainfall** over Sub-Himalayan West Bengal & Sikkim during 17th-22nd June; Assam & Meghalaya during 18th-20th 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)/Dust Storms** likely over East Rajasthan and West Rajasthan on 16th June and on 18th June.
- **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over West Uttar Pradesh on 16th June; East Rajasthan and West Rajasthan on 17th June and on 19th June; West Madhya Pradesh during 18th-19th June; over Jharkhand during 19th-20th June; Bihar during 18th-19th June and during 21st-22nd June.
- Isolated **Hailstorm** activity likely over Himachal Pradesh and Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 16th June and during 18th-19th June; Uttarakhand on 16th June and on 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.

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- 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 Chhattisgarh during 16th-17th June; Madhya Maharashtra and Marathawada during 18th-19th June; Odisha on 16th June; Telangana during 16th-18th June; Vidarbha during 16th-19th June; West Uttar Pradesh during 19th-22nd 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**

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

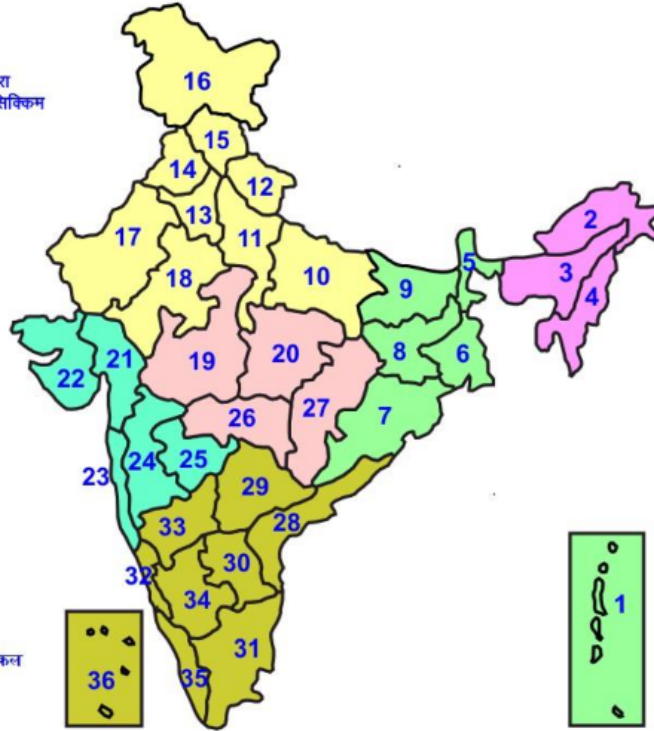
- Shift the harvested produce in safer places or cover the produce with tarpaulin sheets in the fields. Tie the harvested crops securely and cover them to minimize the risk of displacement from strong surface winds.
- Provide mechanical support to horticultural crops and staking or support to vegetables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

- 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              |                 |                      |                    |

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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)

\*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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