

2026-06-15

Time of Issue: 13:50:00 hours IST  
(Mid-Day)

## ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

### Significant Weather Features

#### Advance of Southwest Monsoon 2026:

- The **Southwest Monsoon** has further advanced into remaining parts of Andhra Pradesh, West Bengal & westcentral Bay of Bengal, some more parts of Telangana, Odisha, Jharkhand & Bihar, today the 15th June, 2026.
- **The Northern Limit of Monsoon** passes 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 as on 15th June, 2026.
- **Conditions are favourable** for further advance of southwest monsoon into some more parts of central Arabian Sea, Maharashtra, remaining parts of Karnataka, Telangana, Odisha, Jharkhand & Bihar, and some parts of Chhattisgarh during next 4-5 days.

#### Weather Forecast and Warnings:

##### Northwest India:

- **Isolated to Scattered** rainfall likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 15th-17th June; Himachal Pradesh and Uttarakhand during 15th-21st June.
- **Isolated to Scattered** rainfall likely over East Rajasthan, Haryana Chandigarh & Delhi, Punjab and West Rajasthan during 15th-21st June; West Uttar Pradesh during 15th-19th June; East Uttar Pradesh during 17th-18th June.
- **Fairly Widespread to Widespread** rainfall likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 18th-21st June.
- **Isolated thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 15th-16th June and during 18th-21st June; Himachal Pradesh during 18th-19th June; Uttarakhand on 15th June and on 19th June.
- **Isolated thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Haryana Chandigarh & Delhi and Punjab on 16th June and during 18th-20th June; East Rajasthan during 19th-21st June.
- **Thundersquall (wind speed reaching 60-70 kmph gusting to 80 kmph)** likely over East Rajasthan, Haryana Chandigarh & Delhi and Punjab on 15th June; West Rajasthan during 15th-16th June.
- **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over West Uttar Pradesh on 15th June; East Rajasthan during 17th-18th June.
- **Isolated Hailstorm** activity likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 18th-19th June.
- **Duststorm** activity likely over West Rajasthan during 15th-16th June; East Rajasthan on 15th June.

##### Central India:

- **Isolated to Scattered** rainfall likely over Chhattisgarh, East Madhya Pradesh, Vidarbha and West Madhya Pradesh during 15th-21st 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 16th-19th June; Chhattisgarh and Vidarbha during 15th-19th June.
- **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over East Madhya Pradesh and West Madhya Pradesh on 15th June.

##### East India:

- **Fairly Widespread to Widespread** rainfall likely over Andaman & Nicobar Islands and Sub-Himalayan West Bengal & Sikkim during 15th-21st June; Gangetic West Bengal during 20th-21st June; Odisha during 15th-16th

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June.

- **Isolated to Scattered** rainfall likely over Gangetic West Bengal during 15th-19th June; Bihar and Jharkhand during 15th-21st June; Odisha during 17th-21st 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 15th-21st June; Bihar and Jharkhand during 15th-19th June; Odisha on 16th June and on 19th June.
- **Isolated heavy rainfall** likely over Sub-Himalayan West Bengal & Sikkim during 15th-16th June and on 21st June; Bihar on 16th June and on 19th June; Odisha on 15th June **with isolated very heavy rainfall** also likely over Sub-Himalayan West Bengal & Sikkim during 17th-20th June.
- **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Bihar during 20th-21st June; Odisha on 15th June and during 17th-18th June

#### Northeast India:

- **Fairly Widespread to Widespread rainfall** likely over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 15th-21st June.
- **Isolated thunderstorm & lightning** likely over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 15th-19th June.
- **Isolated heavy rainfall** likely over Arunachal Pradesh during 15th-17th June; Assam & Meghalaya during 15th-16th June; Nagaland, Manipur, Mizoram & Tripura during 17th-20th June **with isolated very heavy rainfall** also likely over Arunachal Pradesh during 18th-21st June; Assam & Meghalaya during 17th-21st June.

#### West India:

- **Isolated to Scattered rainfall** likely over Gujarat Region, Konkan & Goa, Madhya Maharashtra and Marathawada during 15th-21st June; Saurashtra & Kutch during 18th-21st June.
- **Isolated thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Konkan & Goa during 15th-17th June; Madhya Maharashtra and Marathawada during 15th-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 15th-21st June; Lakshadweep during 15th-17th June; Coastal Karnataka during 15th-16th June; South Interior Karnataka during 15th-18th June; Telangana during 15th-20th June.
- **Fairly Widespread to Widespread** rainfall likely over Kerala & Mahe during 15th-21st June; Lakshadweep during 18th-21st June; Coastal Karnataka during 17th-21st June; South Interior Karnataka during 19th-21st June; Telangana on 21st June.
- **Isolated thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over North Interior Karnataka, South Interior Karnataka, Tamil Nadu, Puducherry & Karaikal and Telangana during 15th-19th June, with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph) likely over Coastal Karnataka during 15th-19th June.
- **Isolated heavy rainfall** likely over Tamil Nadu, Puducherry & Karaikal during 16th-18th June; Kerala & Mahe on 16th June.
- **Strong Surface Winds** likely over Coastal Andhra Pradesh & Yanam and Rayalaseema during 15th-19th June.

#### Forecast of maximum/day temperatures:

- Gradual rise in maximum temperatures likely over Northwest India by 2-4°C till 18<sup>th</sup> and thereafter no significant change during 19<sup>th</sup> – 21<sup>st</sup> June
- No significant change in maximum temperatures likely over the rest parts of country till 21<sup>st</sup> June 2026.

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

- **Heat wave** conditions very likely in isolated pockets over Telangana during 15th-16th June; Vidarbha during 15th-17th June.
- **Hot and humid** weather conditions likely to prevail over Konkan & Goa, Madhya Maharashtra, Marathawada and Odisha during 15th-17th June.

- **Warm Night** conditions very likely to prevail in isolated pockets over Konkan & Goa during 15th-18th June.

**Fisherman Warning:**

Fishermen are advised not to venture into the following areas during 15<sup>th</sup> June to 20<sup>th</sup> June, 2026:

- **Bay of Bengal:** Over Gulf of Mannar adjoining Comorin area, Sri Lanka coasts, over many parts of southwest Bay of Bengal during 15<sup>th</sup> to 20<sup>th</sup> June, south Myanmar coasts adjoining eastcentral Bay of Bengal on 15<sup>th</sup> June; North Andaman Sea adjoining south Andaman Sea during 15<sup>th</sup> to 18<sup>th</sup> June.
- **Arabian Sea:** Along and off Somalia coast adjoining some parts of southwest & westcentral Arabian Sea; along and off Oman coast adjoining northwest Arabian Sea during 15<sup>th</sup> to 20<sup>th</sup> June & adjoining northeast Arabian sea during 16<sup>th</sup> to 20<sup>th</sup> June.

**Main Weather Observations:**

❖ **Rainfall distribution** (from 0830 hours IST of yesterday to 0830 hours IST of today): **at most places** over Nagaland, Manipur, Mizoram & Tripura and Sub Himalayan West Bengal & Sikkim; **at many places** over Arunachal Pradesh, Assam & Meghalaya, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Vidarbha, Coastal Karnataka and Kerala & Mahe; **at a few places** over Andaman & Nicobar Islands, Odisha, Jharkhand, East Rajasthan, Tamil Nadu, Puducherry & Karaikal, South Interior Karnataka and Lakshadweep; **at isolated places** over Gangetic West Bengal, Bihar, Uttarakhand, Haryana-Chandigarh-Delhi, Himachal Pradesh, West Rajasthan, West Madhya Pradesh, East Madhya Pradesh, Gujarat Region, Konkan & Goa, Madhya Maharashtra, Marathwada, Chhattisgarh and Telangana; **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:** Kokrajhar (dist Kokrajhar) 12; Chouldhuwaghat ARG (dist Lakhimpur) 11; Drf (dist Baksa) 10; Barpeta (dist Barpeta), Chauldhowaghat (dist Lakhimpur), Dhemaji (dist Dhemaji) 9 Each; Goibargaon (dist Baksa) 8; Melabazar/Matunga (dist Nalbari), Hazuah (dist Barpeta), Baghmara AWS (dist South Garo Hills) 7 Each; Khliehriat (dist East Jaintia Hills) 6; Mawkyrwat (dist South West Khasi Hills), Panbari (dist Chirang) 5 Each; **Coastal Karnataka:** Kota (dist Udupi) 11; **Odisha:** Tigiria (dist Cuttack), Bolagarh (dist Khurda) 9 Each; Bhuban (dist Dhenkanal) 8; Kankadahad (dist Dhenkanal), Kamakhyanagar (dist Dhenkanal), Narsinghpur (dist Cuttack), Altuma (dist Dhenkanal), Jenapur (dist Jajpur) 7 Each; Danagadi (dist Jajpur) 6; **Jharkhand:** Bau Kanke (dist Ranchi) 9; Icar Namkum (dist Ranchi) 5; **Bihar:** Pranpur (dist Katihar) 8; **Tamil Nadu, Puducherry & Karaikal:** Kothavacherry (dist Cuddalore) 7; Sethiathope (dist Cuddalore), Kurinjipadi (dist Cuddalore), Vepur (dist Cuddalore) 6 Each; Kattumayilur (dist Cuddalore), Kuppanatham (dist Cuddalore) 5 Each; **Coastal Andhra Pradesh:** Cheepurupalle (dist Vizianagaram) 7, Garividi (dist Vizianagaram) 5, **South Interior Karnataka:** Nelamangala (dist Bengaluru Rural) 6; **Telangana:** Nawabpetmbn (dist Mahabubnagar) 5; **East Rajasthan:** Khanpur (dist Jhalawar) 5; **Sub Himalayan West Bengal & Sikkim:** Chepan (dist Alipurduar), Gyalsing PTO (dist Gyalshing) 5 Each; **Nagaland, Manipur, Mizoram & Tripura:** Aizawl (dist Aizawl) 5.

❖ **Heavy Rainfall observed** (from 0830 hours IST of yesterday to 0830 hours IST of today): **Heavy to very heavy rain** at isolated places over Assam & Meghalaya. **Heavy rain** at isolated places over Odisha, Jharkhand, Bihar, Tamil Nadu, Puducherry & Karaikal, Coastal Andhra Pradesh and Coastal Karnataka.

❖ **Thunderstorm accompanied with Squally/Gusty winds with speed reaching 60-100 kmph** prevailed at isolated places over East Rajasthan, Telangana, Marathwada, Odisha, West Rajasthan, West Uttar Pradesh, Saurashtra & Kutch, West Madhya Pradesh, Chhattisgarh, Madhya Maharashtra; **with speed reaching 40-60 kmph** at isolated places over East Madhya Pradesh, Jharkhand, Andaman & Nicobar Islands, Gujarat Region, Tamil Nadu, Puducherry & Karaikal, East Uttar Pradesh, Rayalaseema, Coastal Andhra Pradesh & Yanam.

❖ **Duststorm activity** realised at isolated places over East Rajasthan.

❖ **Warm night condition** prevailed at isolated places over Konkan & Goa.

❖ **Minimum Temperature Departures (as on 15-06-2026): markedly above normal(> 5.1°C)** at few places over East Madhya Pradesh; at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Bihar, East Uttar Pradesh, West Uttar Pradesh, East Rajasthan, West Madhya Pradesh, Gujarat Region and Saurashtra & Kutch. **appreciably above normal(3.1°C to 5.0°C)** at many places over Konkan & Goa; at few places over Lakshadweep; at isolated places over Andaman & Nicobar Islands, Assam & Meghalaya, Sub Himalayan West Bengal & Sikkim, Odisha, Bihar, East Uttar Pradesh, West Uttar Pradesh, West Rajasthan, East Rajasthan, West Madhya Pradesh, East Madhya Pradesh, Vidarbha, Chhattisgarh and Tamil Nadu, Puducherry & Karaikal. **above normal(1.6°C to 3.0°C)** at many places over Gujarat Region, Madhya Maharashtra, Coastal Karnataka and Lakshadweep; at few places over Andaman & Nicobar Islands, Arunachal Pradesh, Gangetic West Bengal, Konkan & Goa, Marathwada, Vidarbha, Chhattisgarh, Coastal Andhra Pradesh & Yanam, Telangana, North Interior Karnataka and South Interior Karnataka; at isolated places over Assam & Meghalaya, Sub Himalayan West Bengal & Sikkim, Odisha, Bihar, East Uttar Pradesh, Himachal Pradesh, West Madhya Pradesh, Saurashtra & Kutch, Rayalaseema, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe. **near normal(-1.5°C to 1.5°C)** at many places over Assam & Meghalaya, Sub Himalayan West Bengal & Sikkim, Gangetic West Bengal, Odisha, Bihar, East Uttar Pradesh, West Uttar Pradesh,

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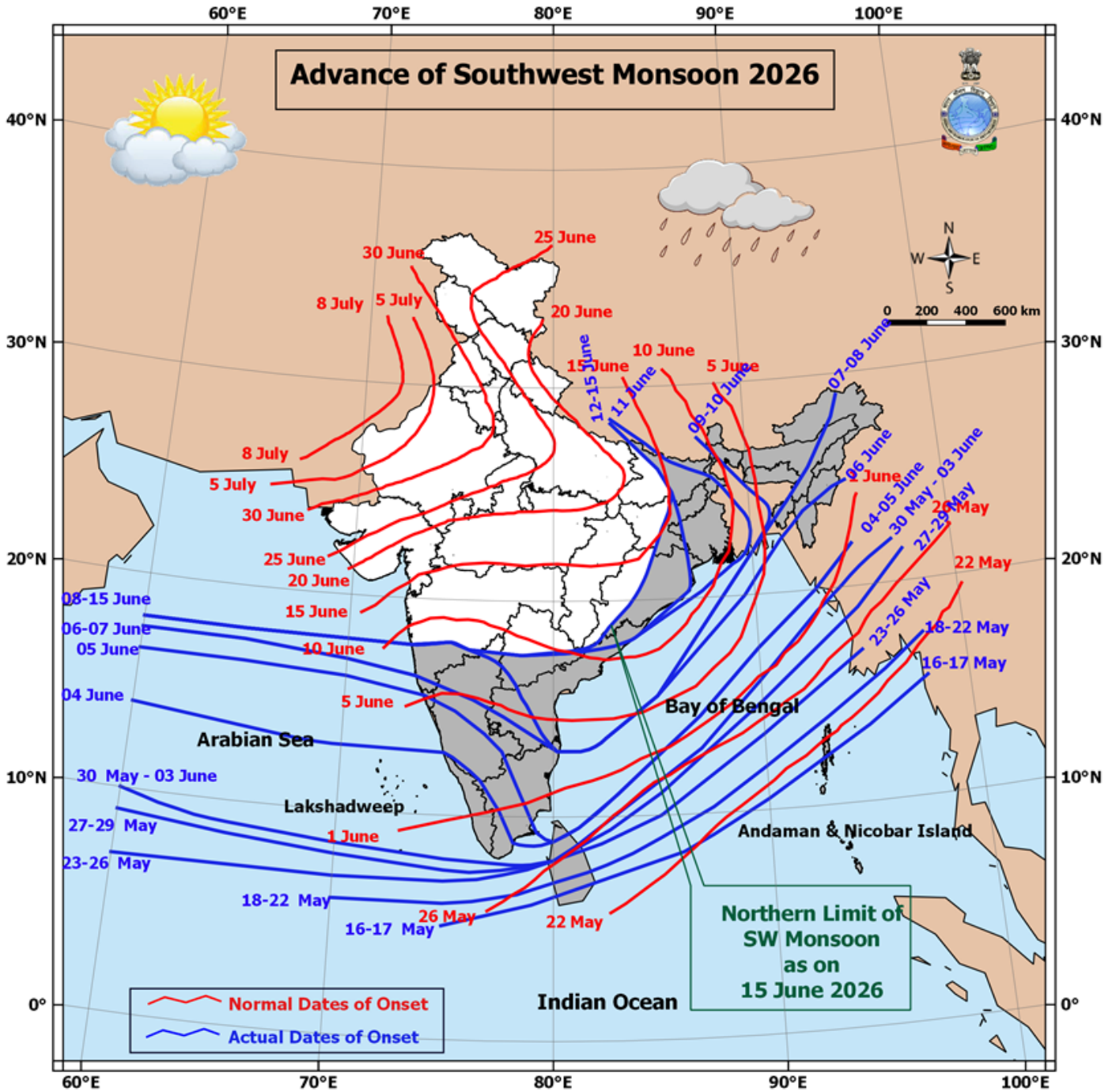
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Punjab, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad, West Rajasthan, East Madhya Pradesh, Saurashtra & Kutch, Marathwada, Tamil Nadu, Puducherry & Karaikal, North Interior Karnataka and South Interior Karnataka; at most places over Nagaland, Manipur, Mizoram & Tripura, Uttarakhand, Rayalaseema and Kerala & Mahe; at few places over Andaman & Nicobar Islands, Arunachal Pradesh, Jharkhand, Haryana-Chandigarh-Delhi, West Madhya Pradesh, Gujarat Region, Madhya Maharashtra, Vidarbha, Coastal Andhra Pradesh & Yanam, Telangana and Coastal Karnataka; at isolated places over Himachal Pradesh, East Rajasthan and Chhattisgarh. **The lowest minimum temperature** of 16.0°C was reported at MANDI (HIMACHAL PRADESH) over the Plains of India.

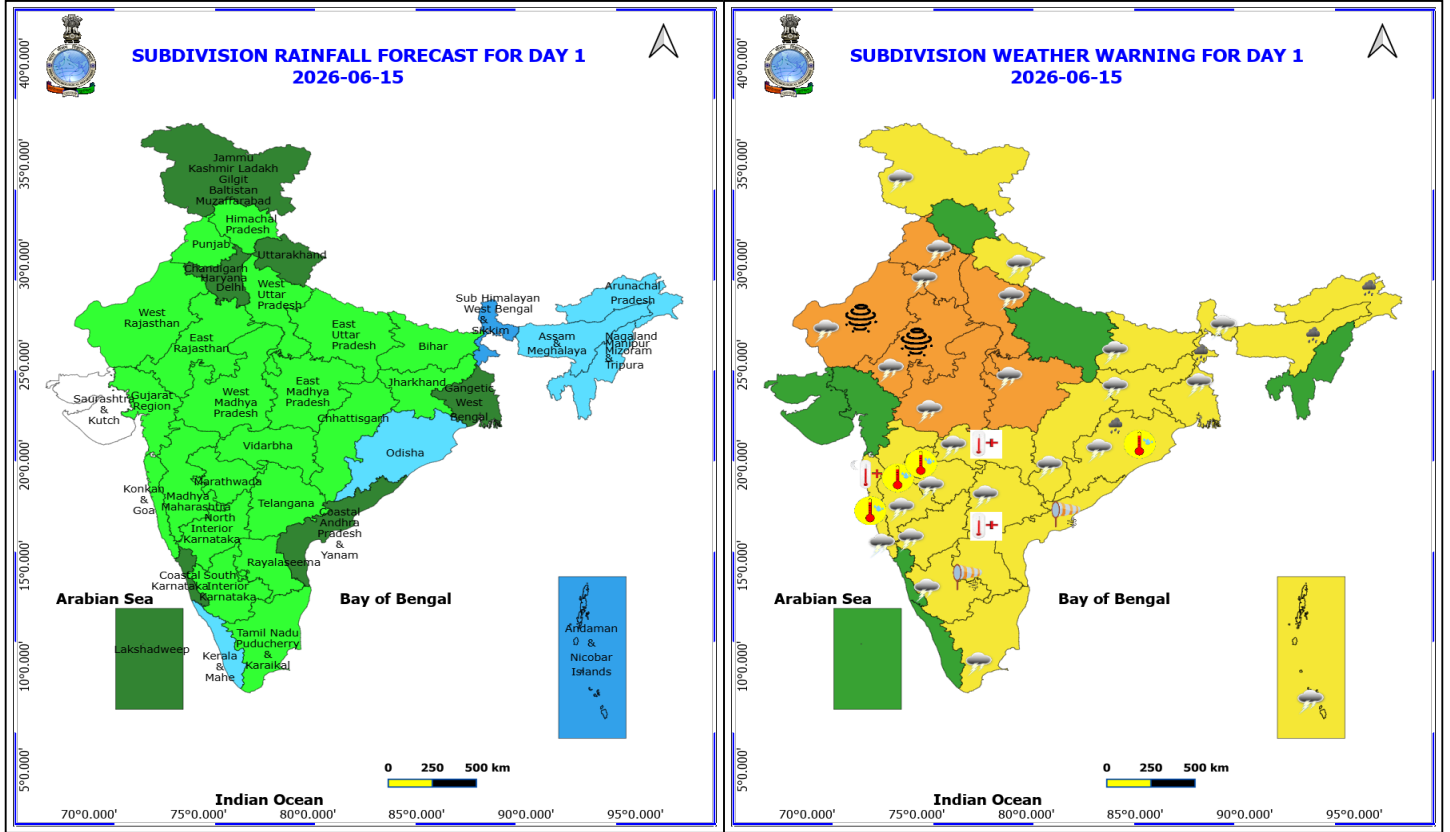
❖ **Maximum Temperature Departures (as on 14-06-2026): markedly above normal(> 5.1°C)** at many places over Himachal Pradesh; at most places over Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad; at isolated places over Punjab, West Rajasthan, East Rajasthan, Chhattisgarh and Tamil Nadu, Puducherry & Karaikal. **appreciably above normal(3.1°C to 5.0°C)** at most places over Arunachal Pradesh and Haryana-Chandigarh-Delhi; at few places over Assam & Meghalaya, Sub Himalayan West Bengal & Sikkim, Uttarakhand and Coastal Andhra Pradesh & Yanam; at isolated places over Odisha, East Uttar Pradesh, West Uttar Pradesh, West Madhya Pradesh, East Madhya Pradesh, Saurashtra & Kutch and Konkan & Goa. **above normal(1.6°C to 3.0°C)** at few places over Jharkhand and Gujarat Region; at isolated places over Nagaland, Manipur, Mizoram & Tripura, Gangetic West Bengal and Vidarbha. **near normal(-1.5°C to 1.5°C)** at many places over Marathwada and Telangana; at most places over Bihar and Lakshadweep; at few places over Madhya Maharashtra and Coastal Karnataka; at isolated places over North Interior Karnataka and Kerala & Mahe. **The highest maximum temperature** of 42.8°C was reported at PHALODI-OBS (RAJASTHAN).

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

- The **Southwest Monsoon** has further advanced into remaining parts of Andhra Pradesh, West Bengal & westcentral Bay of Bengal, some more parts of Telangana, Odisha, Jharkhand & Bihar, today the 15th June, 2026.
- **The Northern Limit of Monsoon** passes 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 as on 15th June, 2026.
- **Conditions are favourable** for further advance of southwest monsoon into some more parts of central Arabian Sea, Maharashtra, remaining parts of Karnataka, Telangana, Odisha, Jharkhand & Bihar, and some parts of Chhattisgarh during next 4-5 days
- The **seasonal trough** at mean sea level now runs from Punjab to Bihar across Haryana and Uttar Pradesh.
- The **trough** in lower tropospheric westerlies roughly along Long. 88°E to the north of Lat. 22° now runs from east Bihar to south Chhattisgarh and extends upto 1.5 km above mean sea level.
- An **upper air cyclonic circulation** lies over south Madhya Maharashtra & neighbourhood at 5.8 km above mean sea level.
- An **upper air cyclonic circulation** lies over south Punjab & neighbourhood extending upto 1.5 km above mean sea level.
- An **upper air cyclonic circulation** lies over southeast Pakistan adjoining southwest Rajasthan upto 3.1 km above mean sea level.
- A **Western Disturbance** is seen as an upper air cyclonic circulation over north Pakistan adjoining Jammu & Kashmir at 3.1 km above mean sea level.
- An **upper air cyclonic circulation** lies over Ladakh & neighbourhood between 5.8 & 9.4 km above mean sea level.
- A fresh **Western Disturbance** likely to affect Northwest India from 18<sup>th</sup> June, 2026.
- The **upper air cyclonic circulation** over south coastal Odisha adjoining north Coastal Andhra Pradesh at 3.1 km above mean sea level has become less marked.
- The **trough** from the above cyclonic circulation over south coastal Odisha adjoining north Coastal Andhra Pradesh to south Tamil Nadu across southwest Bay of Bengal at 3.1 km above mean sea level has become less marked.
- The **trough** from central Uttar Pradesh to north Madhya Maharashtra across West Madhya Pradesh at 5.8 km above mean sea level has become less marked.
- The **trough** in upper tropospheric westerlies with its axis at 12.6 km above mean sea level roughly along Long. 73°E to the north of Lat. 30°N has become less marked.



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**15 June (Day 1)**

- ❖ **Heavy Rainfall** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Odisha and Sub Himalayan West Bengal & Sikkim.
- ❖ **Thundersquall with wind speed reaching(60-70kmph) gusting to 80 kmph** very likely at isolated places over Haryana, Chandigarh & Delhi, Punjab and Rajasthan.
- ❖ **Thundersquall with wind speed reaching(50-60kmph)** very likely at isolated places over Madhya Pradesh, Odisha and West Uttar Pradesh.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Andaman & Nicobar Islands, Bihar, Chhattisgarh, Interior Karnataka, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Jharkhand, Konkan & Goa, Maharashtra, 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.
- ❖ **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 Rajasthan.
- ❖ **Strong Surface Winds** very likely at isolated places over Andhra Pradesh.
- ❖ **Heat Wave conditions** very likely at isolated places over Telangana and Vidarbha.

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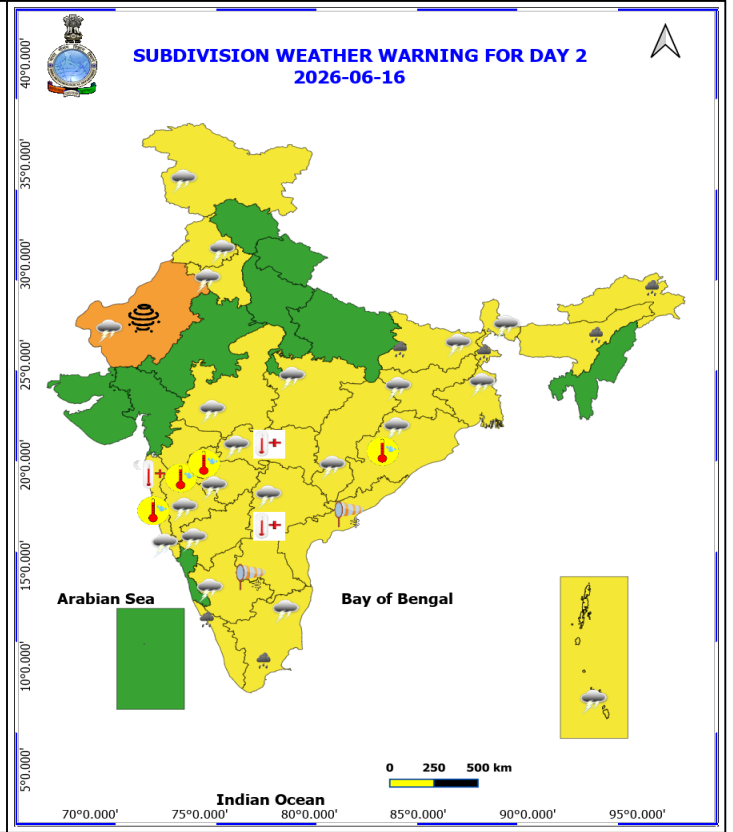
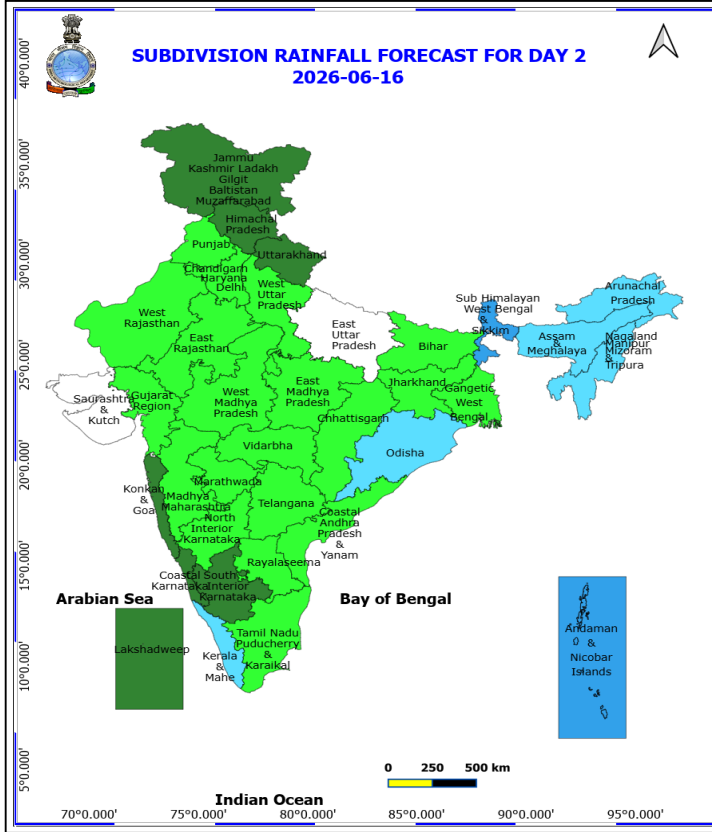
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❖ **Hot and Humid weather** very likely at isolated places over Konkan & Goa, Madhya Maharashtra, Marathwada and Odisha.

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

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

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



## 16 June (Day 2)

- ❖ **Heavy Rainfall** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Bihar, Kerala & Mahe, Sub Himalayan West Bengal & Sikkim and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thundersquall with wind speed reaching(60-70kmph) gusting to 80 kmph** very likely at isolated places over West Rajasthan.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Andaman & Nicobar Islands, Bihar, Chhattisgarh, Haryana, Chandigarh & Delhi, Interior Karnataka, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Jharkhand, Konkan & Goa, Madhya Pradesh, Maharashtra, Odisha, Punjab, Tamil Nadu Puducherry & Karaikal, Telangana and West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Coastal 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.
- ❖ **Strong Surface Winds** very likely at isolated places over Andhra Pradesh.
- ❖ **Heat Wave conditions** very likely at isolated places over Telangana and Vidarbha.
- ❖ **Hot and Humid weather** very likely at isolated places over Konkan & Goa, Madhya Maharashtra, Marathwada and Odisha.

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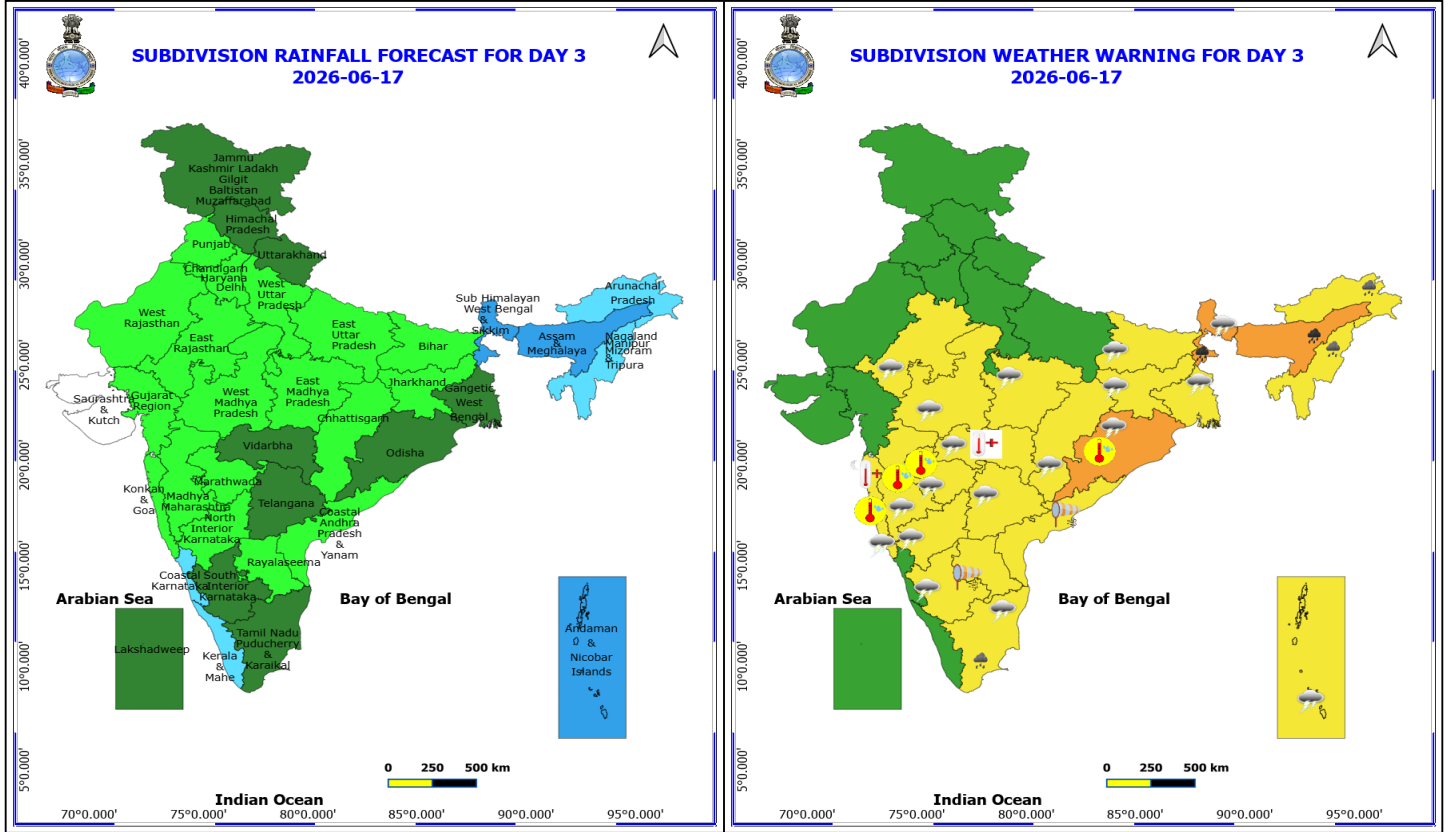
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❖ **Warm Night conditions** very likely at isolated places over Konkan & Goa.

❖ **Arabian Sea: Squally wind with speed 45-55 kmph gusting to 65 kmph** is likely to prevail along and off Somalia, 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.



**17 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, Nagaland, Manipur, Mizoram and Tripura and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thundersquall with wind speed reaching(50-60kmph)** very likely at isolated places over East Rajasthan and Odisha.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Andaman & Nicobar Islands, Bihar, Chhattisgarh, Interior Karnataka, Jharkhand, Konkan & Goa, Madhya Pradesh, Maharashtra, Tamil Nadu Puducherry & Karaikal, Telangana and West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Coastal Karnataka.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram and Tripura.
- ❖ **Strong Surface Winds** very likely at isolated places over Andhra Pradesh.
- ❖ **Heat Wave conditions** very likely at isolated places over Vidarbha.
- ❖ **Hot and Humid weather** very likely at isolated places over Konkan & Goa, Madhya Maharashtra, Marathwada and Odisha.

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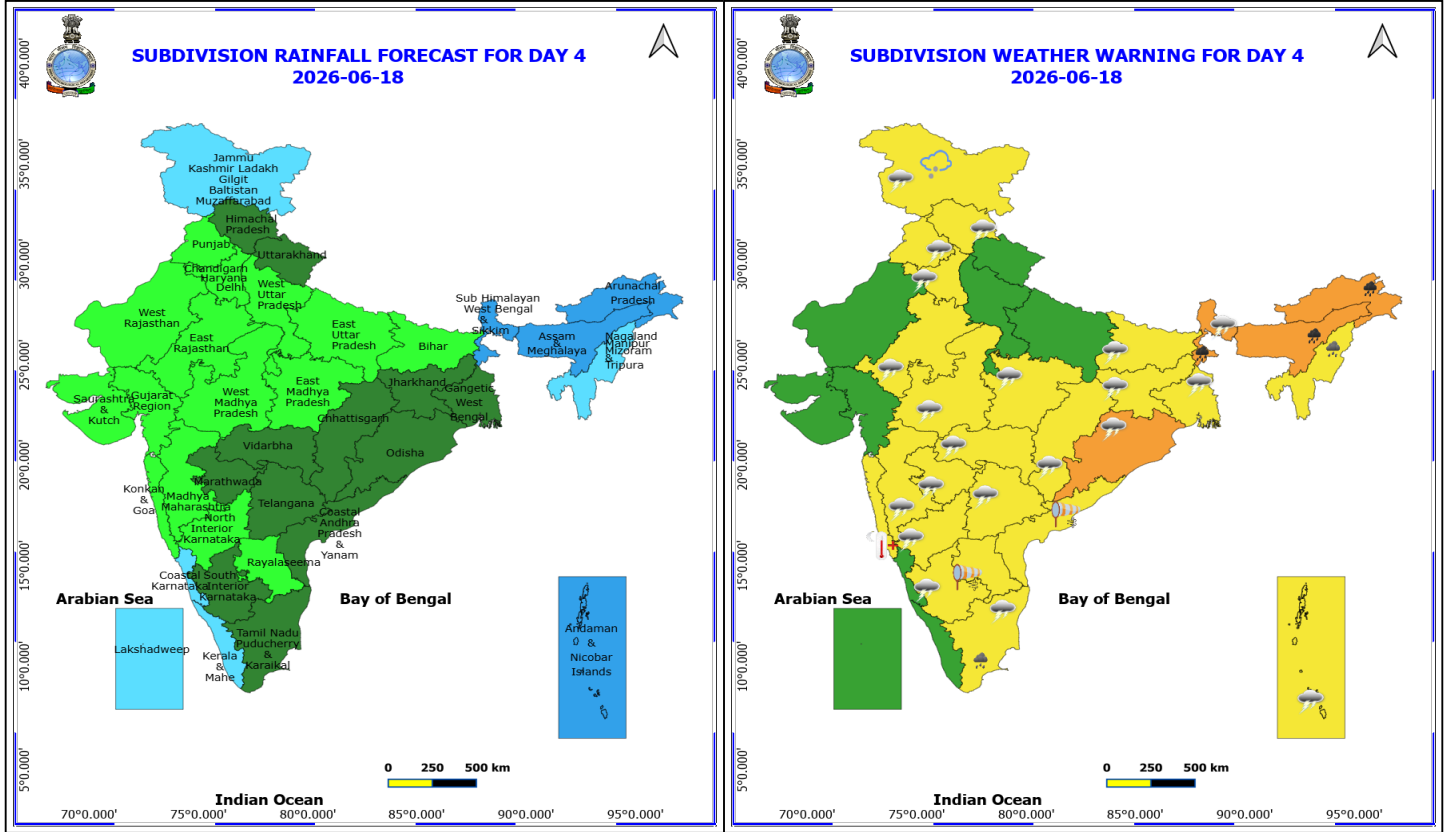
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❖ **Warm Night conditions** very likely at isolated places over Konkan & Goa.

❖ **Arabian Sea: Squally wind with speed 45-55 kmph gusting to 65 kmph** is likely to prevail along and off Somalia, 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.



**18 June (Day 4)**

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

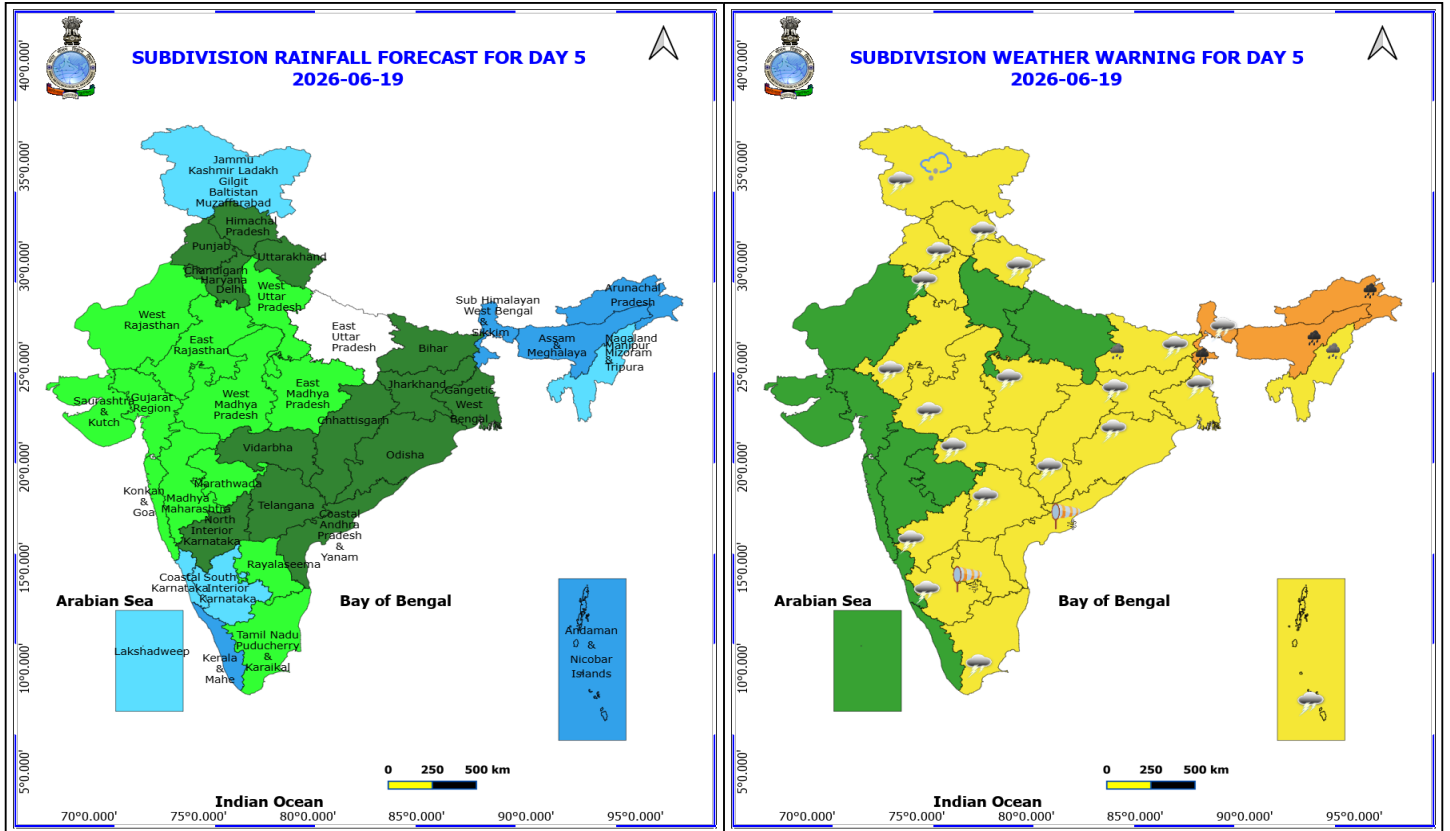
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❖ **Arabian Sea: Squally wind with speed 45-55 kmph gusting to 65 kmph** is likely to prevail along and off Somalia, most parts of southwest & adjoining westcentral Arabian sea; along and off North Oman coasts, many parts of northwest adjoining northeast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



**19 June (Day 5)**

- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya and Sub Himalayan West Bengal & Sikkim.
- ❖ **Heavy Rainfall** likely at isolated places over Bihar and Nagaland, Manipur, Mizoram and Tripura.
- ❖ **Thunderstorm accompanied with Hailstorm** likely at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Andaman & Nicobar Islands, Bihar, Chhattisgarh, East Rajasthan, Haryana, Chandigarh & Delhi, Himachal Pradesh, Interior Karnataka, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Jharkhand, Madhya Pradesh, Odisha, Punjab, Tamil Nadu Puducherry & Karaikal, Telangana, Uttarakhand, Vidarbha and West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Coastal Karnataka.
- ❖ **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 Andhra 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; 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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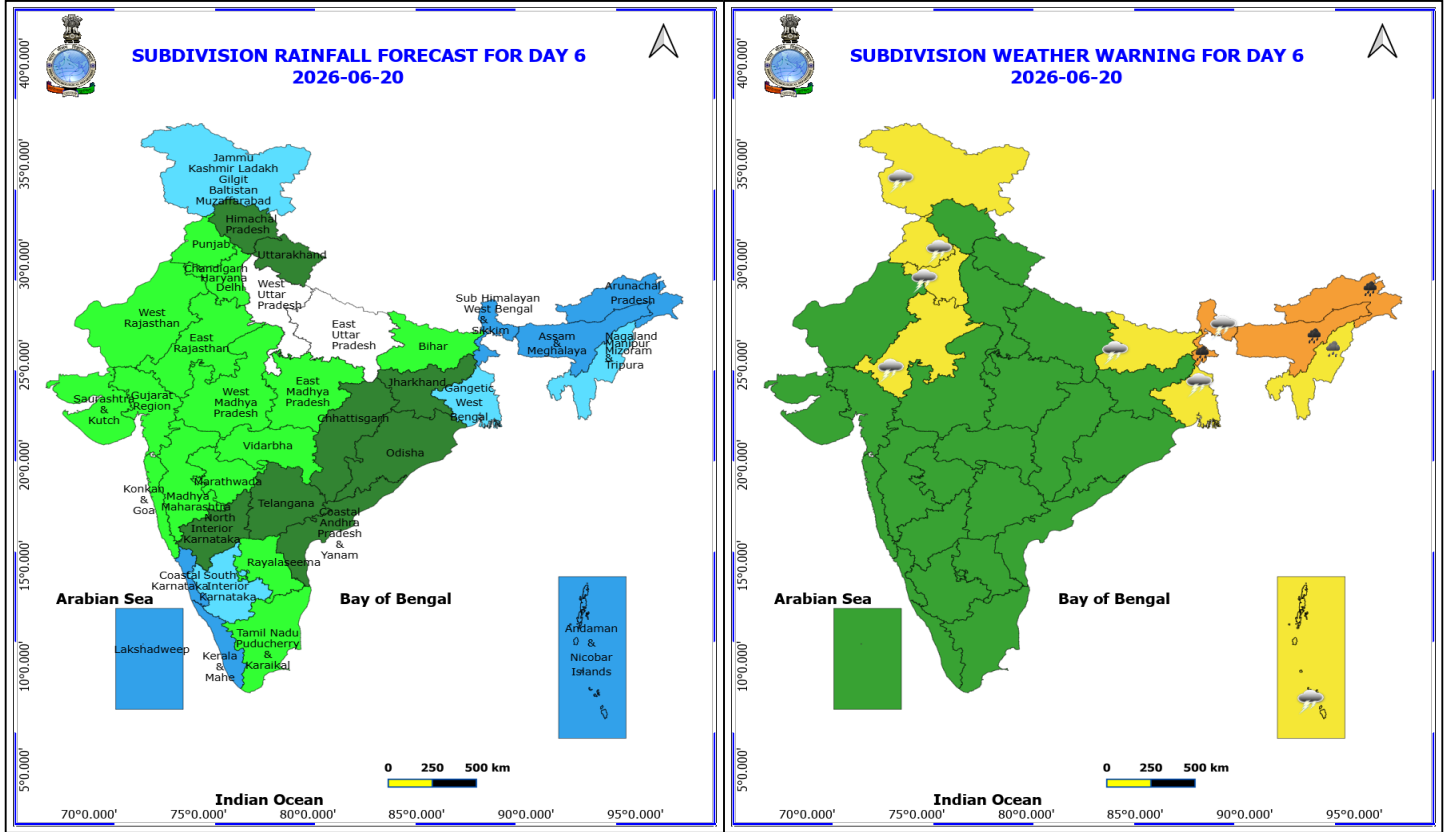
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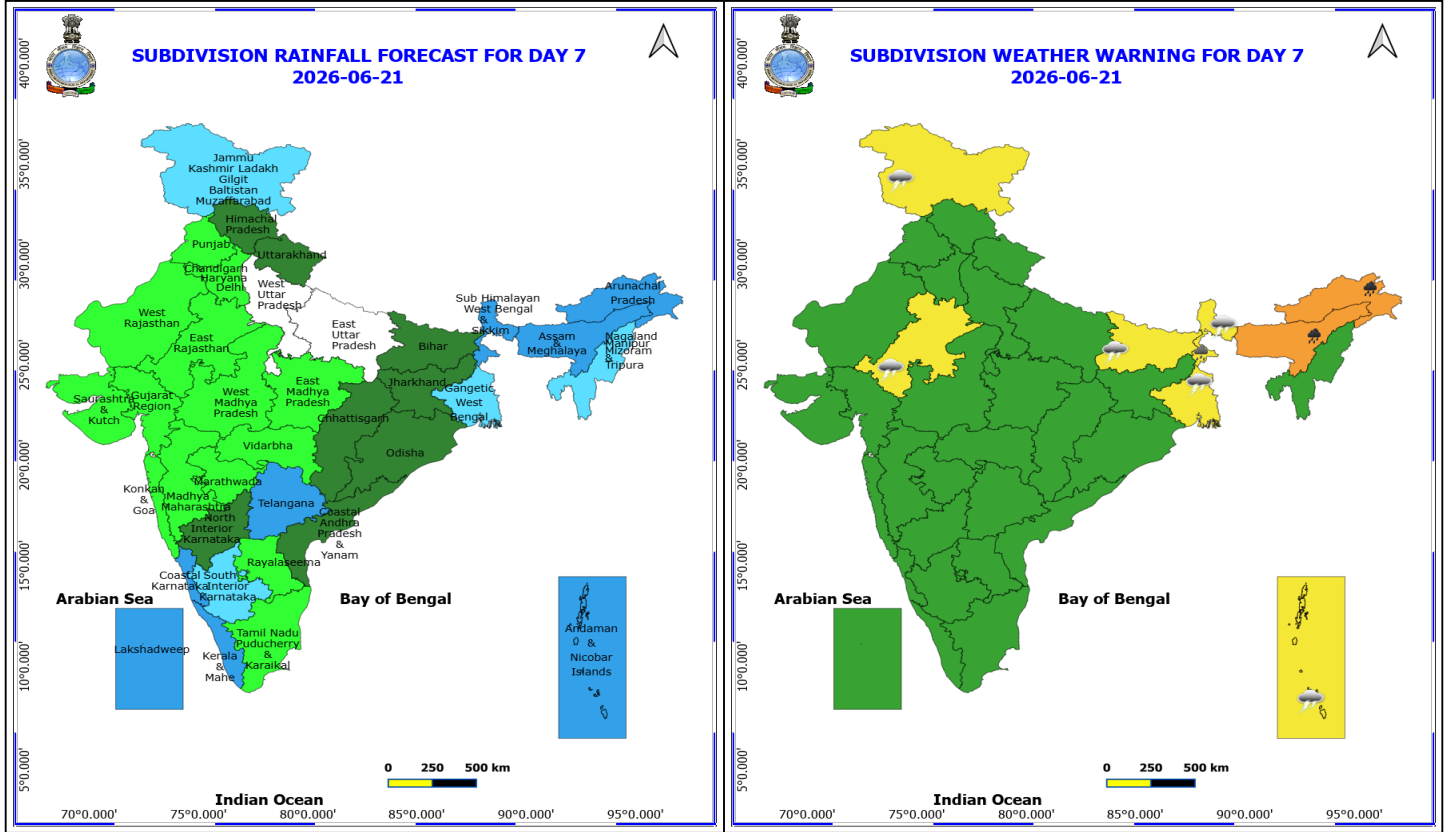
of Mannar adjoining Comorin area, along and off Sri Lanka coasts; most parts of southwest adjoining westcentral Bay of Bengal.



**20 June (Day 6)**

- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya and Sub Himalayan West Bengal & Sikkim.
- ❖ **Heavy Rainfall** likely at isolated places over Nagaland, Manipur, Mizoram and Tripura.
- ❖ **Thundersquall with wind speed reaching(50-60kmph)** likely at isolated places over Bihar.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Andaman & Nicobar Islands, East Rajasthan, Haryana, Chandigarh & Delhi, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Punjab and West Bengal & Sikkim.

**No Fishermen Warning**



**21 June (Day 7)**

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

**No Fishermen Warning**



## Table-1

### 7 Days Rainfall Forecast

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

Fig. 2: Departure of Maximum Temp. Dated 2026-06-14

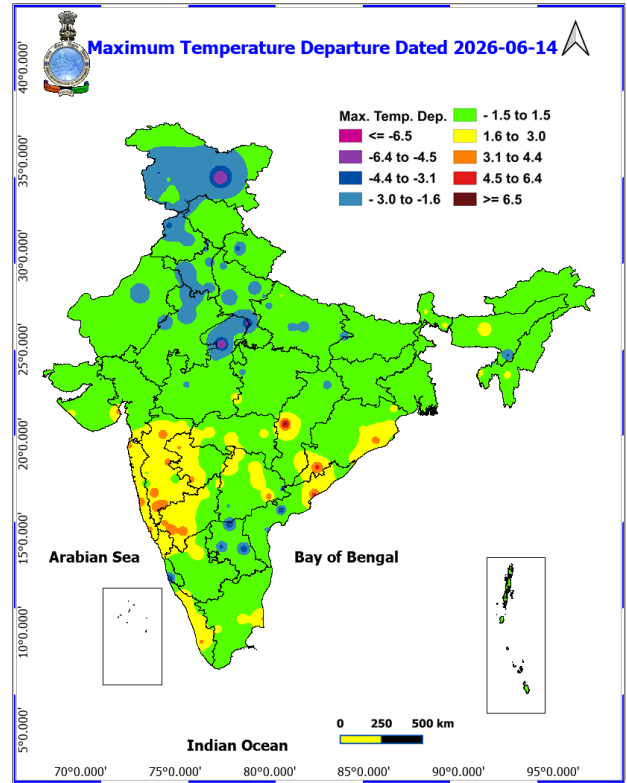
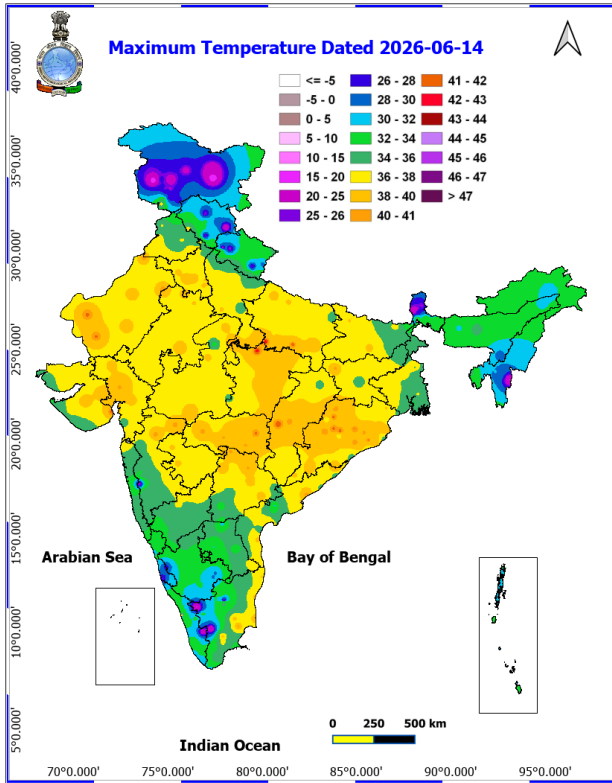
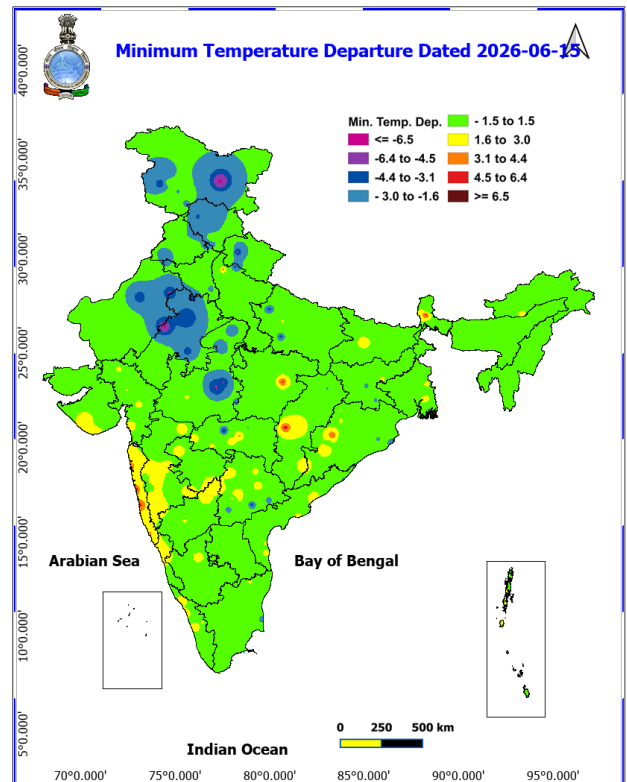
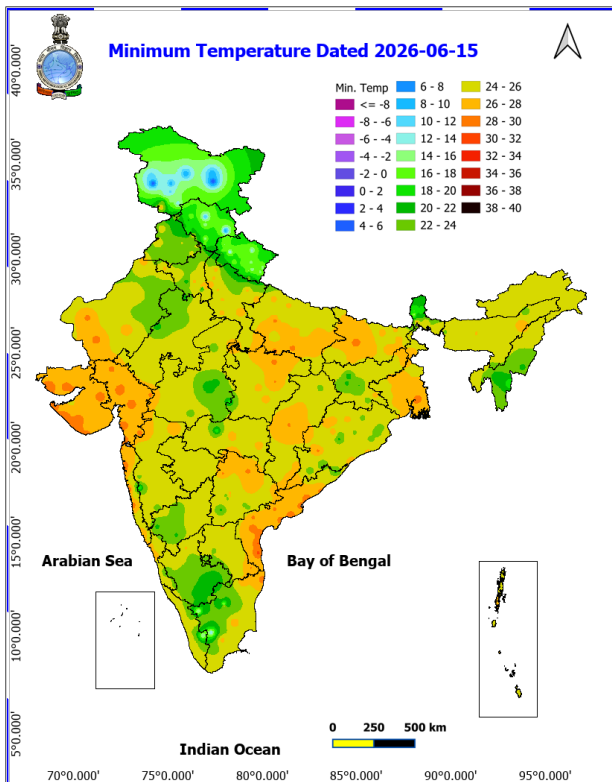
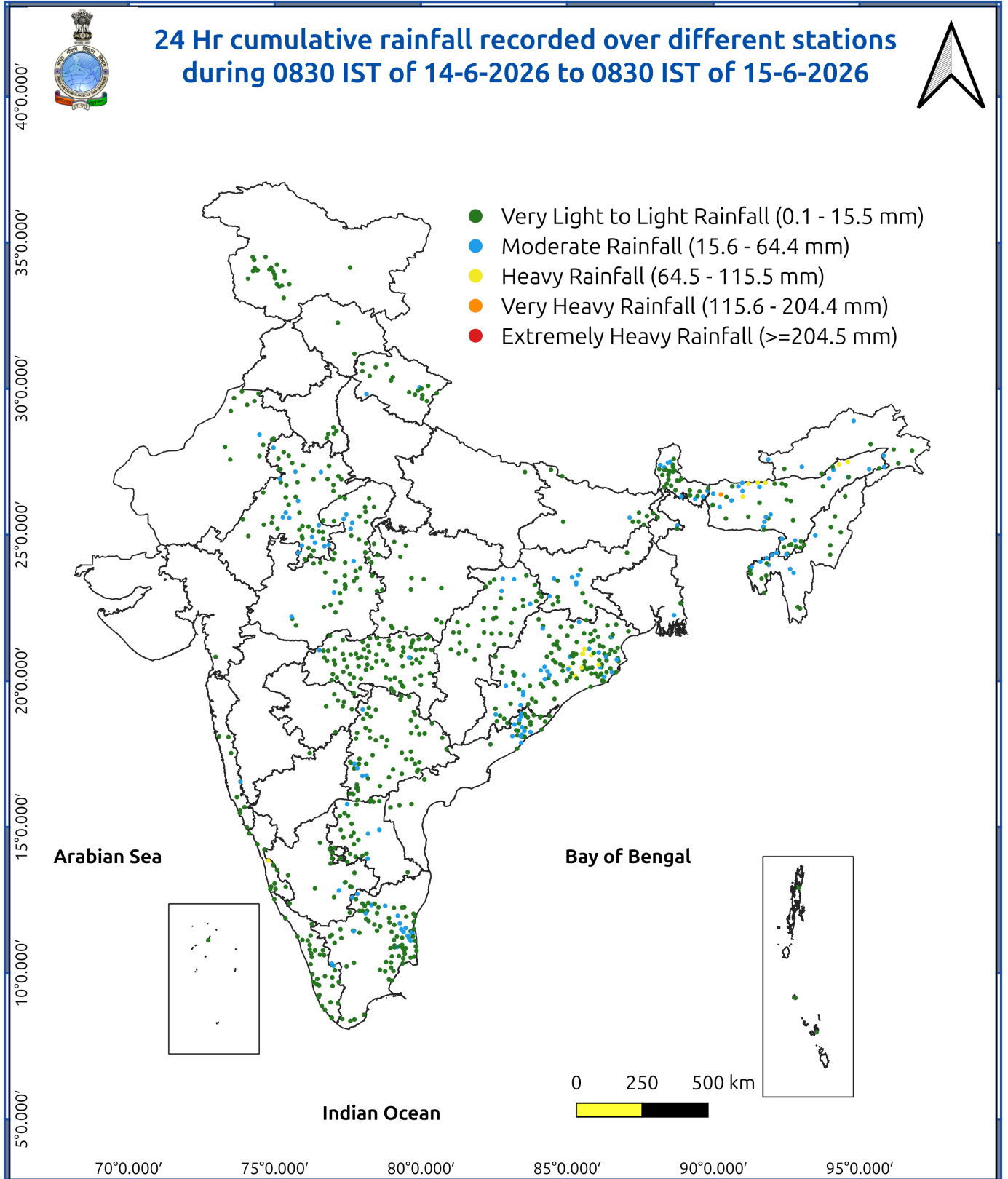


Fig. 3: Minimum Temperatures Dated 2026-06-15

Fig. 4: Departure of Minimum Temp. Dated 2026-06-15





## Impact and Actions

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

- **Isolated heavy rainfall** likely over Sub-Himalayan West Bengal & Sikkim during 15th-16th June and on 21st June; Bihar on 16th June and on 19th June; Odisha on 15th June , Arunachal Pradesh during 15th-17th June; Assam & Meghalaya during 15th-16th June; Nagaland, Manipur, Mizoram & Tripura during 17th-20th June , Tamil Nadu, Puducherry & Karaikal during 16th-18th June; Kerala & Mahe on 16th June **with isolated very heavy rainfall** also likely over Sub-Himalayan West Bengal & Sikkim during 17th-20th June, Arunachal Pradesh during 18th-21st June; Assam & Meghalaya during 17th-21st June..

### Impact Expected

- Localized Flooding of roads, water logging in low lying areas and closure of underpasses mainly in urban areas.
- Occasional reduction in visibility due to heavy rainfall.
- Disruption of traffic in major cities due to water logging in roads leading to increased travel time.
- Minor damage to kutcha roads.
- Possibilities of damage to vulnerable structure.
- Localized Landslides/Mudslides/landslips/mudslips/landsinks/mudsinks.
- Damage to horticulture and standing crops in some areas due to inundation.
- It may lead to riverine flooding in some river catchments (for riverine flooding please visit Web page of CWC)

### Action Suggested

- Check for traffic congestion on your route before leaving for your destination.
- Follow any traffic advisories that are issued in this regard.
- Avoid going to areas that face the water logging problems often.
- Avoid staying in vulnerable structure.

### Impact expected and action suggested due to isolated thunderstorm with lightning, gusty/squally winds & hailstorm over

- **Thundersquall (wind speed reaching 60-70 kmph gusting to 80 kmph)** likely over East Rajasthan, Haryana Chandigarh & Delhi and Punjab on 15th June; West Rajasthan during 15th-16th June.
- **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over West Uttar Pradesh on 15th June; East Rajasthan during 17th-18th June; East Madhya Pradesh and West Madhya Pradesh on 15th June; Bihar during 20th-21st June; Odisha on 15th June and during 17th-18th June.
- **Isolated Hailstorm** activity likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad 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

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places accordingly.

- Stay indoors, close windows & doors and avoid travel if possible.
- Take safe shelters; do not take shelter under trees.
- Do not lie on concrete floors and do not lean against concrete walls.
- Unplug electrical/ electronic appliances.
- Immediately get out of water bodies.
- Keep away from all the objects that conduct electricity.

#### Impact expected and action suggested due to Heat wave conditions:

- **Heat wave conditions** very likely in isolated pockets over Telangana during 15th-16th June; Vidarbha during 15th-17th June.

#### Alert Areas

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

#### Agromet advisories for various parts of the country

##### Agromet advisories for likely impact of Heavy Rainfall

- In **Arunachal Pradesh**, ensure proper drainage in vegetables, maize, rice nursery and other crop fields to prevent waterlogging. 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 **Tripura**, undertake harvesting of mature Boro rice and store the harvested produce in a safe and dry place.
- In **Sub Himalayan West Bengal**, keep the harvested produce of rice and other vegetables in safe and dry place. Provide adequate drainage in ginger, tomato and dalley khorsani fields and nurseries of *kharif* rice and vegetables.
- In **Keralam**, make provision to 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 **Vidarbha** and **Telangana**, apply light irrigation as per requirement in vegetable crops and fruit orchards.

##### Agromet advisories for likely impact of Thunderstorm / Gusty Winds

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- 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:

**Heavy Rain:**64.5115.5mm; **Very Heavy Rain:**115.6204.4mm; **Extremely Heavy Rain:** >204.4mm.

**Obsy:** Observatory; Automatic Weather Station; **ARG:** Automatic Rain Gauge; **dist:** District; **NH:** National Highway; **KVK:** Krishi Vigyan Kendra; **DVC:** Damodar Valley Corporation; **PTO:** Part Time Office, **Aero:** Aerodrome, **IAF:** Indian Air Force.

#### 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.

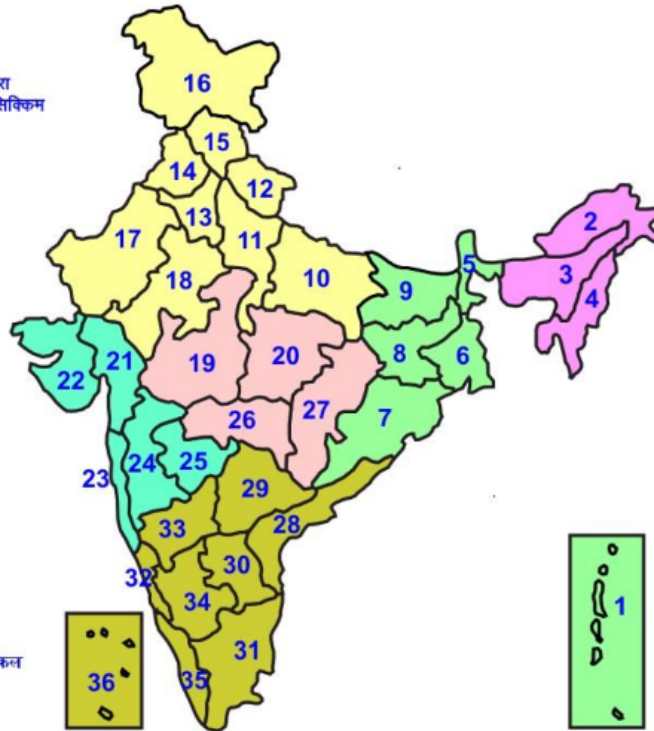
**Northeast India:** Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.

**West India:** Gujarat Region, Saurashtra & Kutch, Coastal Maharashtra (Konkan) & Goa, Madhya Maharashtra and Marathawada.

**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              |                 |                      |                    |

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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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