

2026-04-27

Time of Issue: 13:12:00 hours IST  
(Mid-Day)

## ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

### Significant Weather Features

#### Weather Warning and Forecast:

##### Northwest India:

**Scattered to fairly widespread** light to moderate rainfall/snowfall with **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph)** likely over Jammu-Kashmir during 27<sup>th</sup>-29<sup>th</sup> April; Himachal Pradesh during 28<sup>th</sup>-30<sup>th</sup> April & on 03<sup>rd</sup> May; **Isolated to scattered** over Uttarakhand during 28<sup>th</sup> April-03<sup>rd</sup> May.

**Isolated to scattered** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 30-40 kmph)** likely over Punjab, Haryana Chandigarh & Delhi during 27<sup>th</sup>-30<sup>th</sup> April & on 02<sup>nd</sup> & 03<sup>rd</sup> May; East Uttar Pradesh during 28<sup>th</sup> April-02<sup>nd</sup> May; West Uttar Pradesh during 28<sup>th</sup> April-01<sup>st</sup> May; West Rajasthan during 27<sup>th</sup>-29<sup>th</sup> April; East Rajasthan during 27<sup>th</sup> April-03<sup>rd</sup> May.

**Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Punjab and Haryana Chandigarh on 28<sup>th</sup> & 29<sup>th</sup> April.

**Isolated Hailstorm activity** likely over Jammu-Kashmir on 28<sup>th</sup> April and Himachal Pradesh & Uttarakhand on 28<sup>th</sup> & 29<sup>th</sup> April.

##### Northeast India:

**Fairly widespread to widespread** light to moderate rainfall with **thunderstorm, lightning gusty winds (speed reaching 30-50 kmph)** likely over Northeast India during next 5 days.

**Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Assam & Meghalaya on 27<sup>th</sup> and Nagaland, Manipur, Mizoram & Tripura on 27<sup>th</sup> & 28<sup>th</sup> April.

**Isolated heavy rainfall** likely over Arunachal Pradesh, Assam & Meghalaya during 27<sup>th</sup> April-02<sup>nd</sup> May; Nagaland, Manipur, Mizoram & Tripura during 27<sup>th</sup> April-01<sup>st</sup> May; with **isolated very heavy rainfall** likely over Arunachal Pradesh during 30<sup>th</sup> April-02<sup>nd</sup> May and Assam & Meghalaya during 27<sup>th</sup>-30<sup>th</sup> April.

##### East India:

**Fairly widespread to widespread** light to moderate rainfall with **thunderstorm, lightning gusty winds (speed reaching 30-50 kmph)** likely over West Bengal & Sikkim during next 7 days.

**Isolated to scattered light** to moderate rainfall with **thunderstorm, lightning gusty winds (speed reaching 30-50 kmph)** likely over Bihar, Odisha during 27<sup>th</sup> April-01<sup>st</sup> May.

**Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Sub-Himalayan West Bengal & Sikkim on 27<sup>th</sup>; Gangetic West Bengal during 27<sup>th</sup> -30<sup>th</sup>; Bihar on 28<sup>th</sup>; Jharkhand during 27<sup>th</sup>-30<sup>th</sup> April.

**Isolated heavy rainfall** likely over Bihar on 28<sup>th</sup>; Gangetic West Bengal on 29<sup>th</sup> & 30<sup>th</sup>; Sub-Himalayan West Bengal & Sikkim during 27<sup>th</sup> April- 02<sup>nd</sup> May with **isolated very heavy falls** over Sub-Himalayan West Bengal & Sikkim on 30<sup>th</sup> April.

**Isolated Hailstorm activity** likely over Jharkhand on 27<sup>th</sup> & 30<sup>th</sup> April.

##### Central India:

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**Isolated light** to moderate rainfall with **thunderstorm, lightning gusty winds (speed reaching 40-50 kmph)** likely over Madhya Pradesh and Chhattisgarh during next 5 days; with lightning over Vidarbha on 27<sup>th</sup> & during 29<sup>th</sup> April-01<sup>st</sup> May.

**Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Chhattisgarh during 29<sup>th</sup> April-01<sup>st</sup> May.

#### South Peninsular India:

**Isolated to scattered** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 30-50 kmph)** likely over South Interior Karnataka on 27<sup>th</sup> & 28<sup>th</sup> April; Kerala & Mahe, Telangana & North Interior Karnataka during 27<sup>th</sup> April-01<sup>st</sup> May; Coastal Andhra Pradesh & Yanam during 28<sup>th</sup> April-01<sup>st</sup> May; **with lightning** over Tamil Nadu, Rayalaseema during 28<sup>th</sup> April-01<sup>st</sup> May.

**Heavy rainfall** also likely over South Interior Karnataka on 30<sup>th</sup> April; Tamil Nadu, Puducherry & Karaikal during 30<sup>th</sup> April-02<sup>nd</sup> May; Kerala & Mahe during 29<sup>th</sup> April-01<sup>st</sup> May.

Isolated **Hailstorm activity** likely over North Interior Karnataka during 28<sup>th</sup> -30<sup>th</sup> April; South Interior Karnataka on 29<sup>th</sup> & 30<sup>th</sup> April.

#### Forecast of maximum/day temperatures:

No significant change in maximum temperatures likely over Northwest India till 27<sup>th</sup> April (24 hours); gradual fall by 3-5°C during 28<sup>th</sup> April-01<sup>st</sup> May and no significant change on 02<sup>nd</sup> & 03<sup>rd</sup> May.

No significant change in maximum temperatures likely over Central India till 28<sup>th</sup>; gradual fall by 2-3°C during 29<sup>th</sup> April-01<sup>st</sup> and gradual rise by 2-3°C on 02<sup>nd</sup> & 03<sup>rd</sup> May.

Gradual fall in maximum temperatures by 3-5°C likely over East India till 30<sup>th</sup> April and no significant change during 1<sup>st</sup> to 3<sup>rd</sup> May.

No significant change in maximum temperatures likely over Maharashtra till 29<sup>th</sup> April and thereafter gradual fall by 2-3°C during 30<sup>th</sup> April-03<sup>rd</sup> May.

No significant change in maximum temperatures likely over Gujarat State till 28<sup>th</sup> April; gradual fall by 2-3°C during 29<sup>th</sup> April-01<sup>st</sup> May and gradual rise by 2-3°C on 02<sup>nd</sup> & 03<sup>rd</sup> May.

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

#### Heat wave, Hot & Humid weather and Warm night conditions warning:

**Heat wave conditions** very likely in some places of Vidarbha on 27<sup>th</sup> & 28<sup>th</sup> April; in isolated pockets of Jammu-Kashmir, Himachal Pradesh, Haryana Chandigarh, Uttar Pradesh, West Madhya Pradesh & East Rajasthan on 27<sup>th</sup>; West Rajasthan, Odisha, Gujarat State, Rayalaseema, Chhattisgarh and north Telangana on 27<sup>th</sup> & 28<sup>th</sup> April.

**Hot & humid weather conditions** very likely to prevail in isolated pockets over Konkan, Kerala on 27<sup>th</sup> & 28<sup>th</sup> April; coastal areas of Gujarat State, Tamil Nadu during 27<sup>th</sup>-29<sup>th</sup> April; Odisha during 27<sup>th</sup> April-01<sup>st</sup> May.

**Warm night conditions** very likely to prevail in isolated pockets over Haryana Chandigarh, East Rajasthan & Uttar Pradesh on 27<sup>th</sup>; West Rajasthan & Chhattisgarh on 27<sup>th</sup> & 28<sup>th</sup> April.

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**Fishermen warning:**

Fishermen are advised not to venture into the following areas during 27<sup>th</sup> April to 02<sup>nd</sup> May, 2026:

**Bay of Bengal:** Along and off Odisha, West Bengal Coasts & adjoining Bangladesh Coast, over many parts of northwest Bay of Bengal and adjoining parts of northeast Bay of Bengal during 27<sup>th</sup> April to 02<sup>nd</sup> May 2026.

**Arabian Sea:** No warning.

**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 isolated places** over Andaman & Nicobar Islands, Gangetic West Bengal, Jharkhand, West Uttar Pradesh, West Rajasthan, West Madhya Pradesh, East Madhya Pradesh, Tamil Nadu, Puducherry & Karaikal, North Interior Karnataka, South Interior Karnataka and Kerala & Mahe; **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:** Nongstein (dist West Khasi Hills) 9; Williamnagar (dist East Garo Hills) 5; **Nagaland, Manipur, Mizoram & Tripura:** Amarpur (dist Gomati), Bagafa (dist South Tripura) 9 Each; Sonamura (dist Sipahijala) 8; Udaipur (dist Gomati), Belonia (dist South Tripura), Serchip AWS (dist Serchhip), Kvk South (dist South Tripura) 7 Each; Dm Office ARG (dist West Tripura) 6; Arundhutinagar (dist West Tripura), Kailashahar AP (dist Unakoti), Bishalgarh (dist Sipahijala), Gandachara AWS (dist Dhalai) 5 Each; Aizawl (dist Aizawl), Saiha AWS (dist Saiha), Agartala AP (dist West Tripura), Sabroom (dist South Tripura), Tamenglong (dist Tamenglong), Lembuchhera (dist West Tripura), Kanchanpur (dist North Tripura), Met Agartala AWS (dist West Tripura), Sabroom AWS (dist South Tripura), Kailashahar AWS (dist Unakoti), Hrc Nagicherra ARG (dist West Tripura) 4 Each; **Bihar:** Dighalbank (dist Kishanganj) 5; **Sub Himalayan West Bengal & Sikkim:** Amfu Majhian (dist South Dinajpur), Dharala Valley Tea Esta (dist Jalpaiguri) 4 Each.

❖ **Minimum Temperature Departures (as on 27-04-2026):** **markedly above normal(> 5.1°C)** at most places over West Rajasthan and East Rajasthan; at few places over Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad and East Madhya Pradesh; at isolated places over Jharkhand, West Uttar Pradesh, Haryana-Chandigarh-Delhi, Himachal Pradesh, West Madhya Pradesh, Gujarat Region, Saurashtra & Kutch and Madhya Maharashtra. **appreciably above normal(3.1°C to 5.0°C)** at many places over West Uttar Pradesh and Marathwada; at few places over Andaman & Nicobar Islands, Himachal Pradesh, East Madhya Pradesh and Chhattisgarh; at isolated places over Gangetic West Bengal, Odisha, Jharkhand, East Uttar Pradesh, Uttarakhand, Haryana-Chandigarh-Delhi, Punjab, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad, West Rajasthan, West Madhya Pradesh, Gujarat Region, Saurashtra & Kutch, Madhya Maharashtra, Vidarbha and Tamil Nadu, Puducherry & Karaikal. **above normal(1.6°C to 3.0°C)** at many places over Gujarat Region, Madhya Maharashtra, Rayalaseema and Lakshadweep; at most places over Kerala & Mahe; at few places over Andaman & Nicobar Islands, Sub Himalayan West Bengal & Sikkim, Gangetic West Bengal, Jharkhand, West Madhya Pradesh, Konkan & Goa, Chhattisgarh, Telangana, North Interior Karnataka and South Interior Karnataka; at isolated places over Assam & Meghalaya, Odisha, Bihar, East Uttar Pradesh, West Uttar Pradesh, Uttarakhand, Haryana-Chandigarh-Delhi, Punjab, Himachal Pradesh, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad, East Madhya Pradesh, Saurashtra & Kutch, Vidarbha, Coastal Andhra Pradesh & Yanam and Tamil Nadu, Puducherry & Karaikal. **near normal(-1.5°C to 1.5°C)** at many places over Assam & Meghalaya, Bihar, East Uttar Pradesh, Haryana-Chandigarh-Delhi, Vidarbha, North Interior Karnataka and South Interior Karnataka; at most places over Arunachal Pradesh, Odisha, Coastal Andhra Pradesh & Yanam, Tamil Nadu, Puducherry & Karaikal and Coastal Karnataka; at few places over Nagaland, Manipur, Mizoram & Tripura, Sub Himalayan West Bengal & Sikkim, Gangetic West Bengal, Uttarakhand, Punjab, Himachal Pradesh, Saurashtra & Kutch, Konkan & Goa, Telangana, Rayalaseema and Lakshadweep; at isolated places over Andaman & Nicobar Islands, West Uttar Pradesh, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad, East Rajasthan, West Madhya Pradesh, East Madhya Pradesh, Gujarat Region, Madhya Maharashtra, Marathwada, Chhattisgarh and Kerala & Mahe. **The lowest minimum temperature of 18.4°C** was reported at **ADAMPUR(PUNJAB)** over the Plains of India.

❖ **Maximum Temperature Departures (as on 26-04-2026):** **markedly above normal(> 5.1°C)** at few places over Himachal Pradesh, West Madhya Pradesh and East Madhya Pradesh; at isolated places over East Uttar Pradesh, West Uttar Pradesh, East Rajasthan and Saurashtra & Kutch. **appreciably above normal(3.1°C to 5.0°C)** at many places over Jharkhand, Uttarakhand, Punjab, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad, West Rajasthan and Gujarat Region; at most places over Haryana-Chandigarh-Delhi; at few places over Vidarbha; at isolated places over Odisha, Bihar, Konkan & Goa, Madhya Maharashtra, Marathwada, Chhattisgarh, Telangana, Rayalaseema, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe. **above normal(1.6°C to 3.0°C)** at many places over South Interior Karnataka; at few places over Arunachal Pradesh, Coastal Karnataka and Lakshadweep; at isolated places over Andaman & Nicobar Islands, Gangetic West Bengal, Coastal Andhra Pradesh & Yanam and North Interior Karnataka. **near normal(-1.5°C to 1.5°C)** at few places over Nagaland, Manipur, Mizoram & Tripura; at isolated places over Assam & Meghalaya and Sub Himalayan West Bengal & Sikkim. **The highest maximum temperature** of 46.9°C was reported at **AKOLA (MAHARASHTRA)**.

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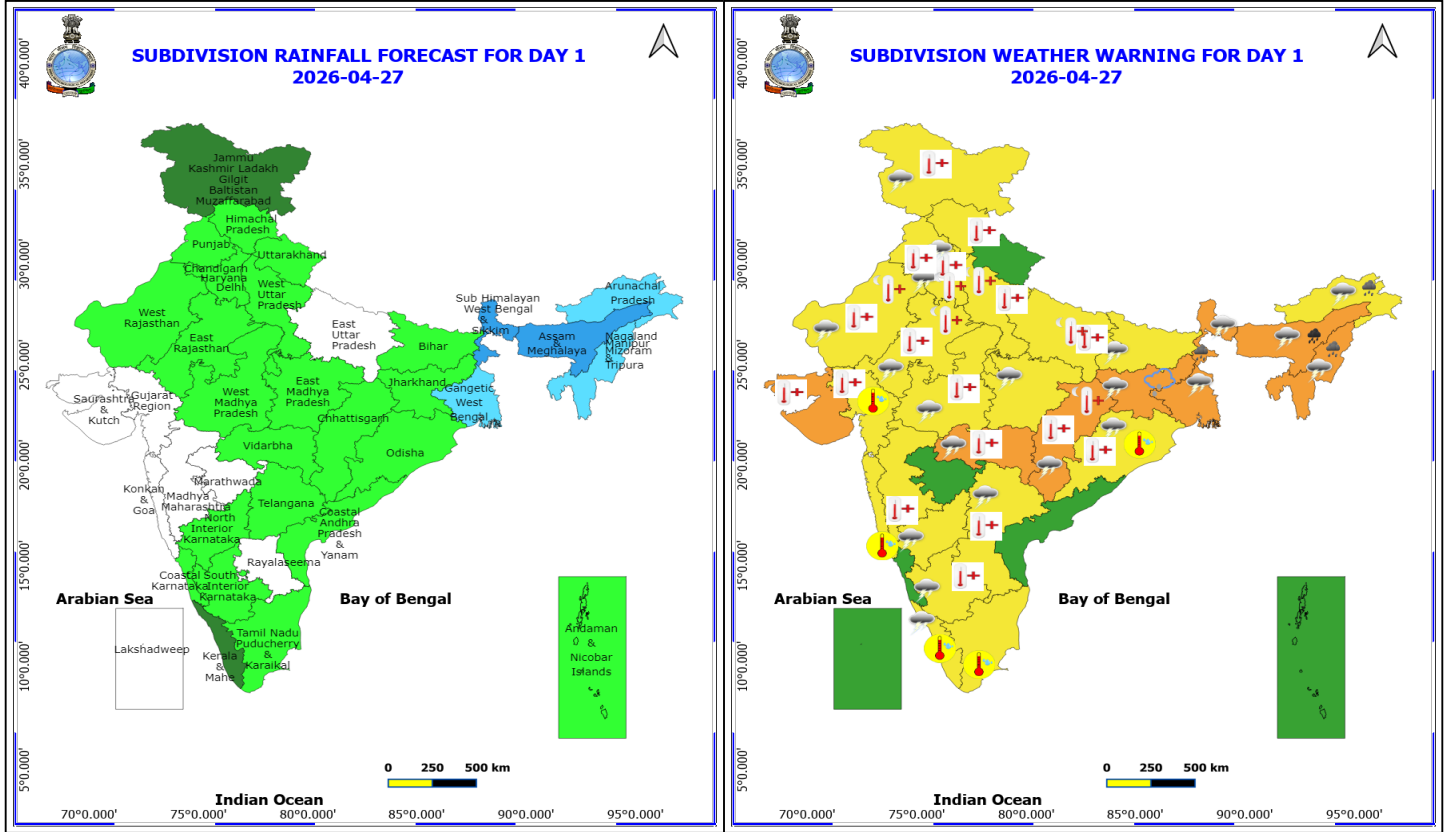


### Meteorological Analysis (Based on 0830 hours IST)

- The **trough** in westerlies with its axis at 5.8 km above mean sea level roughly along Long. 88°E to the north of Lat. 22°N persists.
- The **upper air cyclonic circulation** over East Uttar Pradesh & neighbourhood extending upto 1.5 km above mean sea level persists.
- The **upper air cyclonic circulation** over north Haryana & neighbourhood now lies over northwest Uttar Pradesh and extends upto 1.5 km above mean sea level.
- The **upper air cyclonic circulation** over northeast Bangladesh & neighbourhood at 0.9 km above mean sea level persists.
- An east-west **trough** runs from the cyclonic **circulation** over northwest Uttar Pradesh to northwest Bangladesh across east Uttar Pradesh, Bihar, Jharkhand, and northern parts of Gangetic West Bengal at 0.9 above mean sea level.
- The **upper air cyclonic circulation** over central parts of Assam & neighbourhood at 3.1 km above mean sea level persists.
- The **trough/ wind discontinuity** from North Interior Karnataka to Comorin area now runs from central parts of Madhya Pradesh to Comorin area across Vidarbha, Interior Karnataka, Rayalaseema and Tamil Nadu at 0.9 km above mean sea level.
- **Subtropical westerly Jet Stream** with core winds of the order of 60-75 knots at 12.6 km above mean sea level to prevails over East and Northeast India.
- The **Anti-cyclonic circulation** over interior Maharashtra & neighbourhood between 3.1 & 5.8 km above mean sea level persists.
- A **Western disturbance** seen as a **trough** in westerlies with its axis at 5.8 km above mean sea level runs roughly along Long. 54°E to the north of Lat. 32°N.
- The **trough** in westerlies now seen between 1.5 & 3.1 km above mean sea level roughly along Long. 89°E to the north of Lat. 20°N has become less marked.

### Weather Outlook for subsequent 3 days

- **Widespread** rainfall activity likely over Northeast India and adjoining East India.
- Isolated to Scattered rainfall activity likely over North India and Southern parts of Peninsular India.



**27 April (Day 1)**

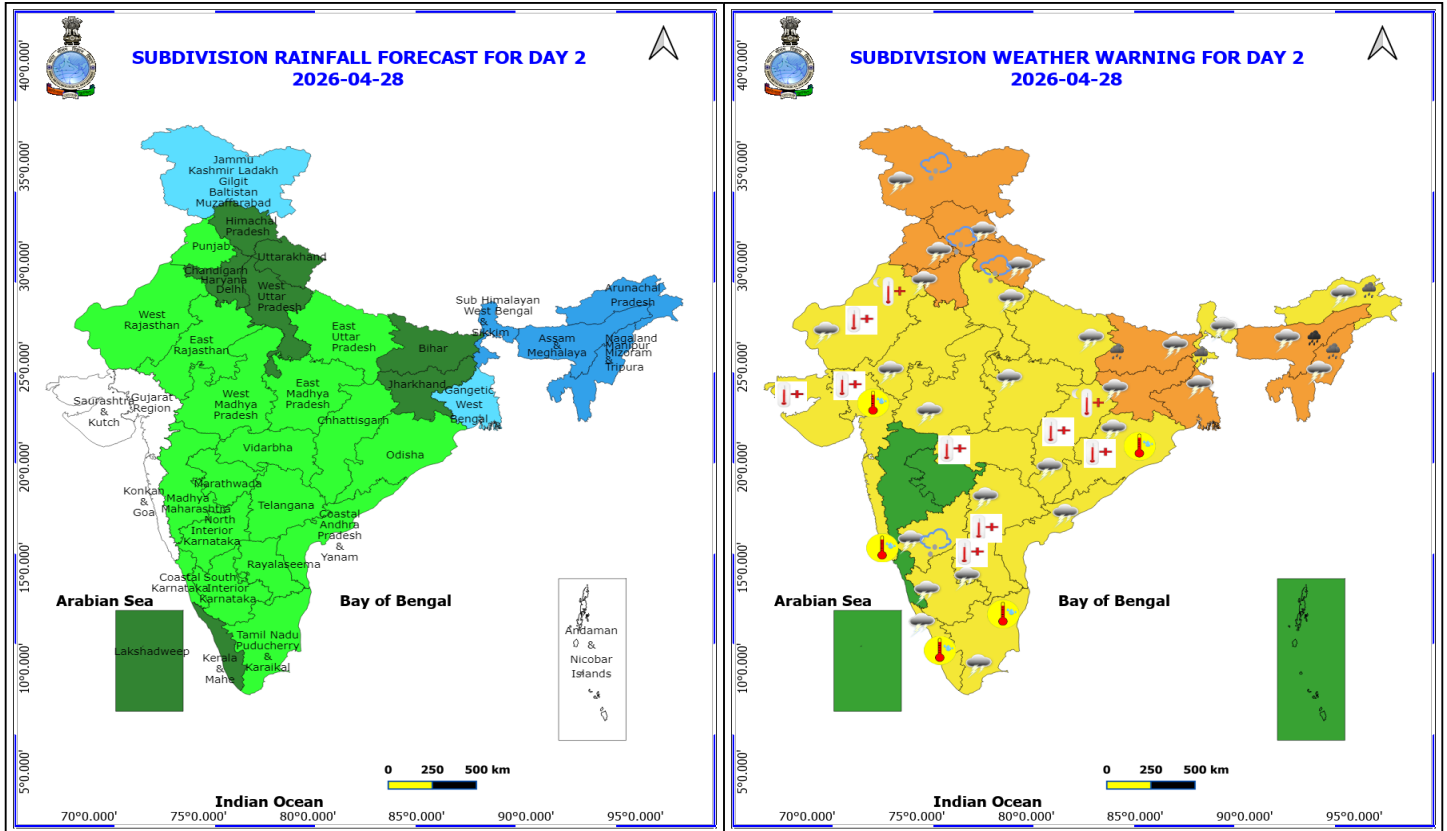
- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Assam & Meghalaya.
- ❖ **Heavy Rainfall** very likely at isolated places over Arunachal Pradesh, Nagaland, Manipur, Mizoram and Tripura and Sub Himalayan West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with Hailstorm** very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

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❖ **Warm Night conditions** very likely at isolated places over Chhattisgarh, Haryana, Chandigarh & Delhi, Rajasthan and Uttar Pradesh.

❖ **Squally wind with speed 45-55 kmph gusting to 65 kmph** is likely to prevail along and off Odisha, West Bengal Coasts & adjoining Bangladesh Coast, over many parts of northwest Bay of Bengal and adjoining parts of northeast Bay of Bengal.



**28 April (Day 2)**

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

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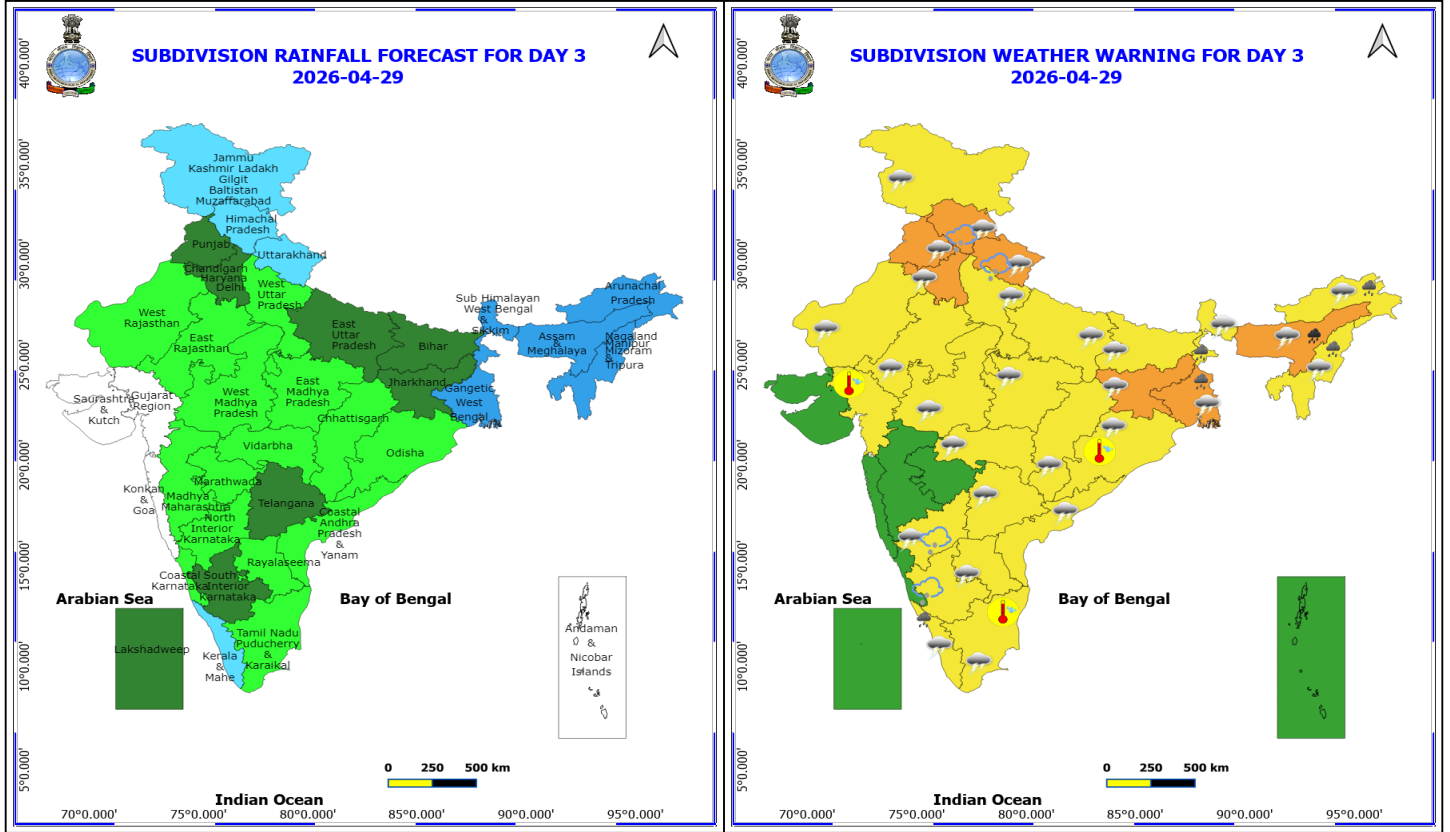
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Odisha and Tamil Nadu Puducherry & Karaikal.

❖ **Warm Night conditions** very likely at isolated places over Chhattisgarh and West Rajasthan.

❖ **Squally wind with speed 45-55 kmph gusting to 65 kmph** is likely to prevail along and off Odisha, West Bengal Coasts & adjoining Bangladesh Coast, over many parts of northwest Bay of Bengal and adjoining parts of northeast Bay of Bengal.



**29 April (Day 3)**

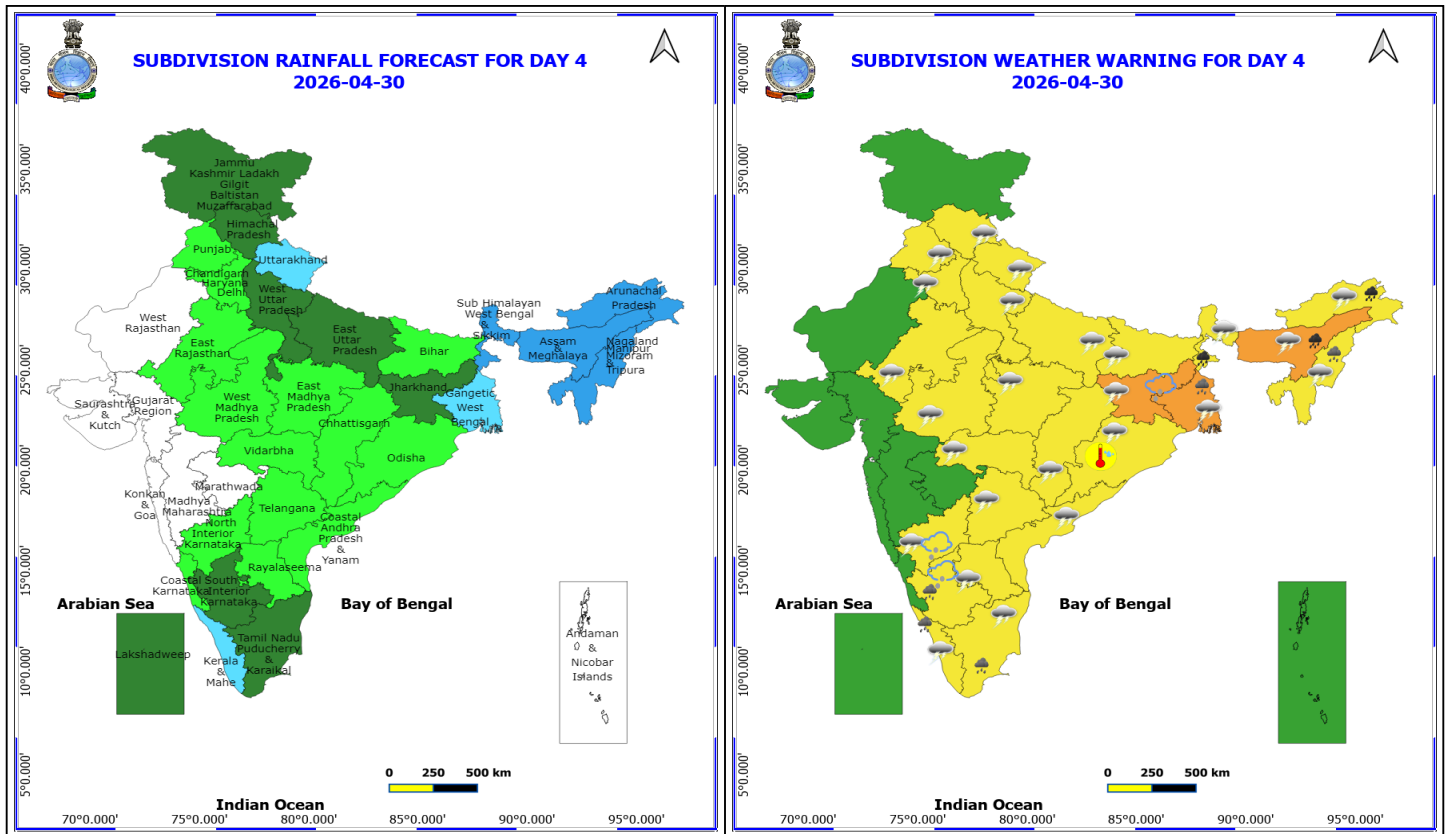
- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Assam & Meghalaya.
- ❖ **Heavy Rainfall** very likely at isolated places over Arunachal Pradesh, Kerala & Mahe, Nagaland, Manipur, Mizoram and Tripura and West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with Hailstorm** very likely at isolated places over Himachal Pradesh, Interior Karnataka and Uttarakhand.
- ❖ **Thundersquall with wind speed reaching(50-60kmph)** very likely at isolated places over Gangetic West Bengal, Haryana, Chandigarh & Delhi, Jharkhand and Punjab.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Assam & Meghalaya, Bihar, Chhattisgarh, East Uttar Pradesh, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Kerala & Mahe, Madhya Pradesh, Nagaland, Manipur, Mizoram and Tripura, North Interior Karnataka, Odisha, Sub Himalayan West Bengal & Sikkim and Uttarakhand.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Arunachal Pradesh, Coastal Andhra Pradesh, Rajasthan, Telangana and West Uttar Pradesh.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Rayalaseema, Tamil Nadu Puducherry & Karaikal and Vidarbha.
- ❖ **Hot and Humid weather** very likely at isolated places over Gujarat Region, Odisha and Tamil Nadu Puducherry & Karaikal.
- ❖ **Squally wind with speed 45-55 kmph gusting to 65 kmph** is likely to prevail along and off Odisha, West Bengal

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Coasts & adjoining Bangladesh Coast, over many parts of northwest Bay of Bengal and adjoining parts of northeast Bay of Bengal.



**30 April (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 Gangetic West Bengal, Kerala & Mahe, Nagaland, Manipur, Mizoram and Tripura, South Interior Karnataka and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with Hailstorm** likely at isolated places over Interior Karnataka and Jharkhand.
- ❖ **Thundersquall with wind speed reaching(50-60kmph)** likely at isolated places over Chhattisgarh, Gangetic West Bengal and Jharkhand.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Assam & Meghalaya, East Uttar Pradesh, Haryana, Chandigarh & Delhi, Kerala & Mahe, Madhya Pradesh, Nagaland, Manipur, Mizoram and Tripura, North Interior Karnataka, Odisha, Punjab, Sub Himalayan West Bengal & Sikkim and Uttarakhand.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Bihar, Coastal Andhra Pradesh, East Rajasthan, Himachal Pradesh, Telangana and West Uttar Pradesh.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Arunachal Pradesh, Rayalaseema, Tamil Nadu Puducherry & Karaikal and Vidarbha.
- ❖ **Hot and Humid weather** likely at isolated places over Odisha.
- ❖ **Squally wind with speed 45-55 kmph gusting to 65 kmph** is likely to prevail along and off Odisha, West Bengal Coasts & adjoining Bangladesh Coast, over many parts of northwest Bay of Bengal and adjoining parts of northeast

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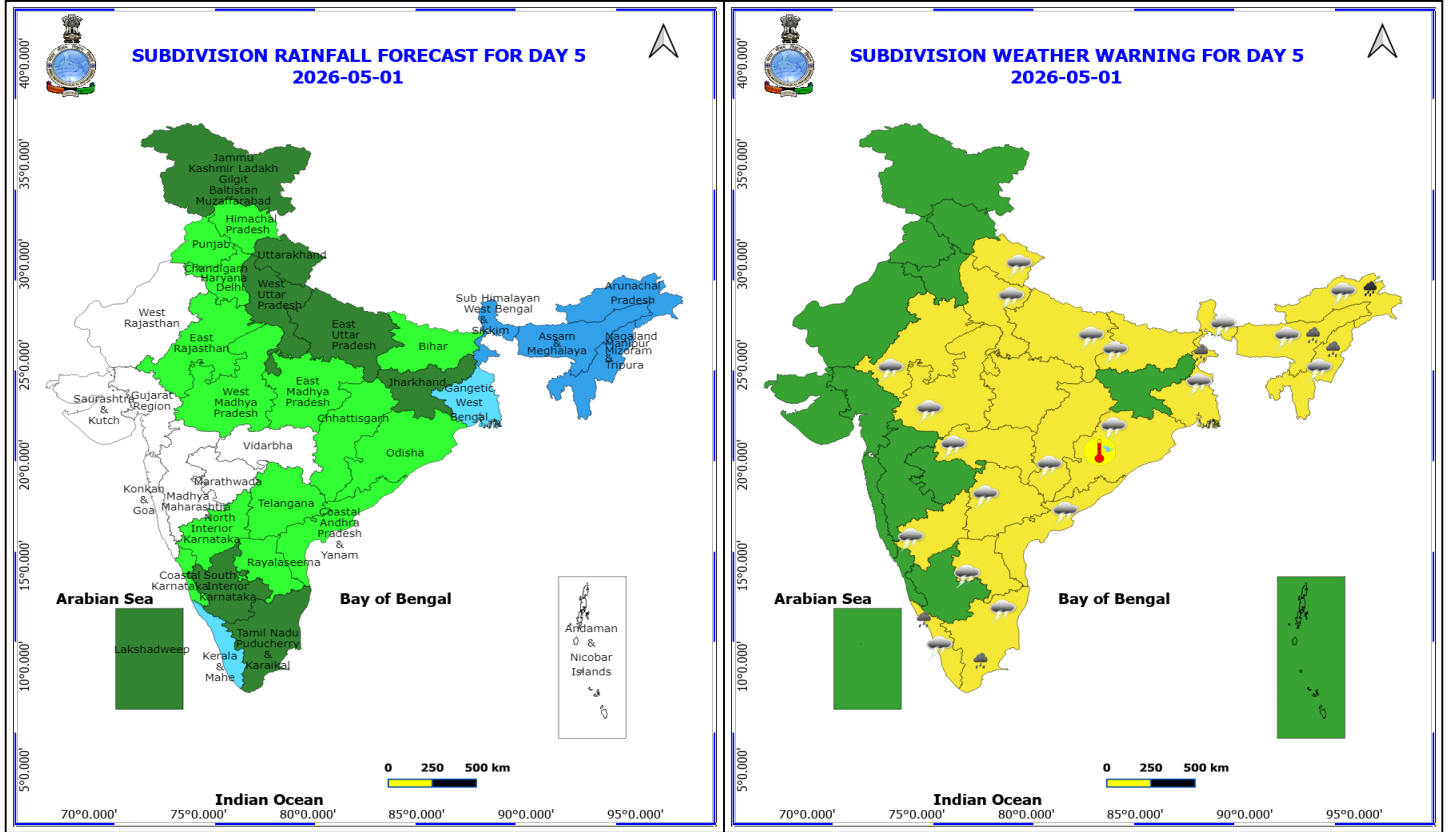
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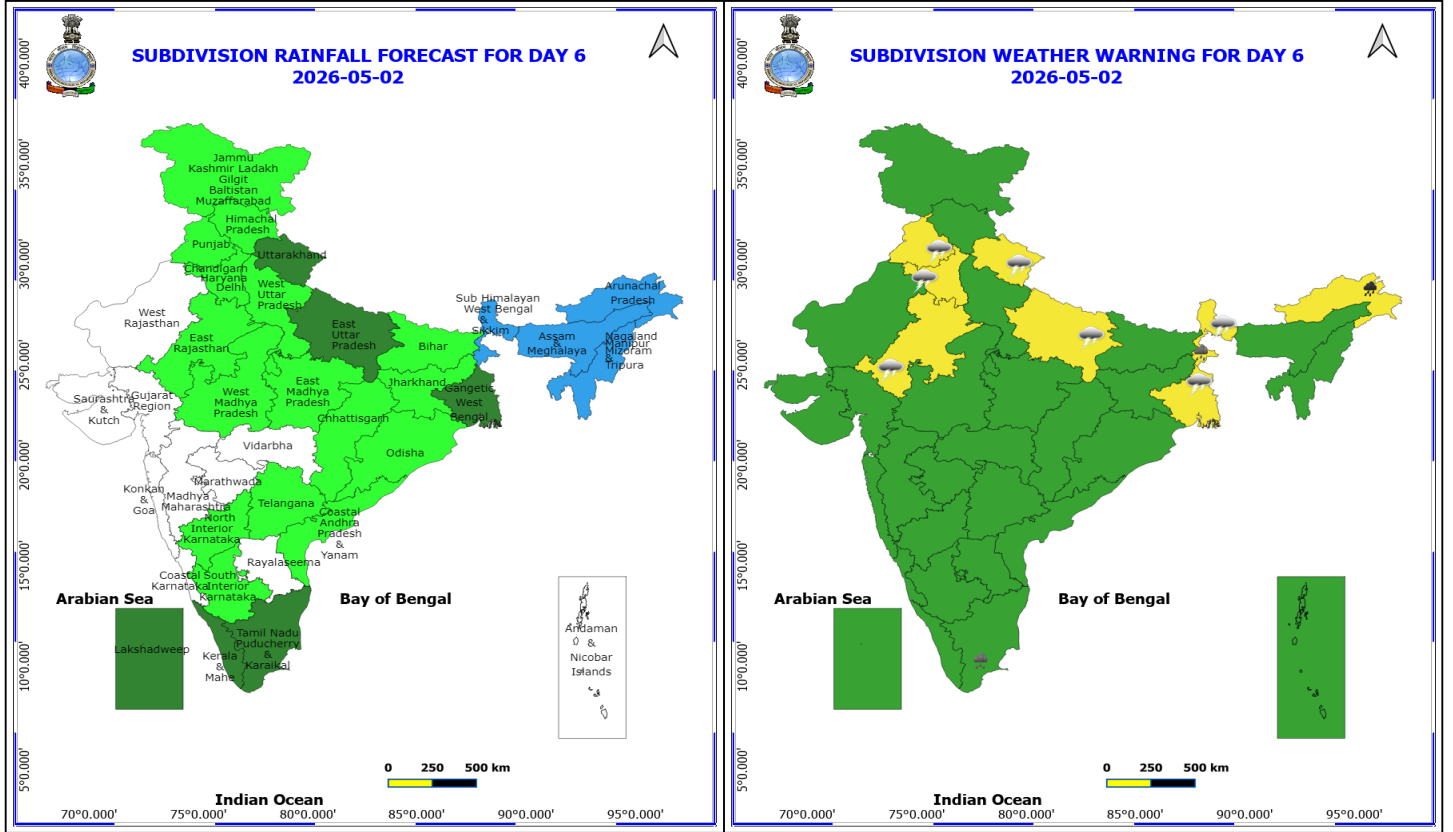
Bay of Bengal.



**1 May (Day 5)**

- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Arunachal Pradesh.
- ❖ **Heavy Rainfall** likely at isolated places over Assam & Meghalaya, Kerala & Mahe, Nagaland, Manipur, Mizoram and Tripura, Sub Himalayan West Bengal & Sikkim and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thundersquall with wind speed reaching(50-60kmph)** likely at isolated places over Chhattisgarh.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Kerala & Mahe, North Interior Karnataka, Odisha, Uttar Pradesh, Uttarakhand, West Bengal & Sikkim and West Madhya Pradesh.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Assam & Meghalaya, Bihar, Coastal Andhra Pradesh, East Rajasthan, Nagaland, Manipur, Mizoram and Tripura and Telangana.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Arunachal Pradesh, Rayalaseema, Tamil Nadu Puducherry & Karaikal and Vidarbha.
- ❖ **Hot and Humid weather** likely at isolated places over Odisha.
- ❖ **Squally wind with speed 45-55 kmph gusting to 65 kmph** is likely to prevail along and off Odisha, West Bengal Coasts & adjoining Bangladesh Coast, over many parts of northwest Bay of Bengal and adjoining parts of northeast Bay of Bengal.

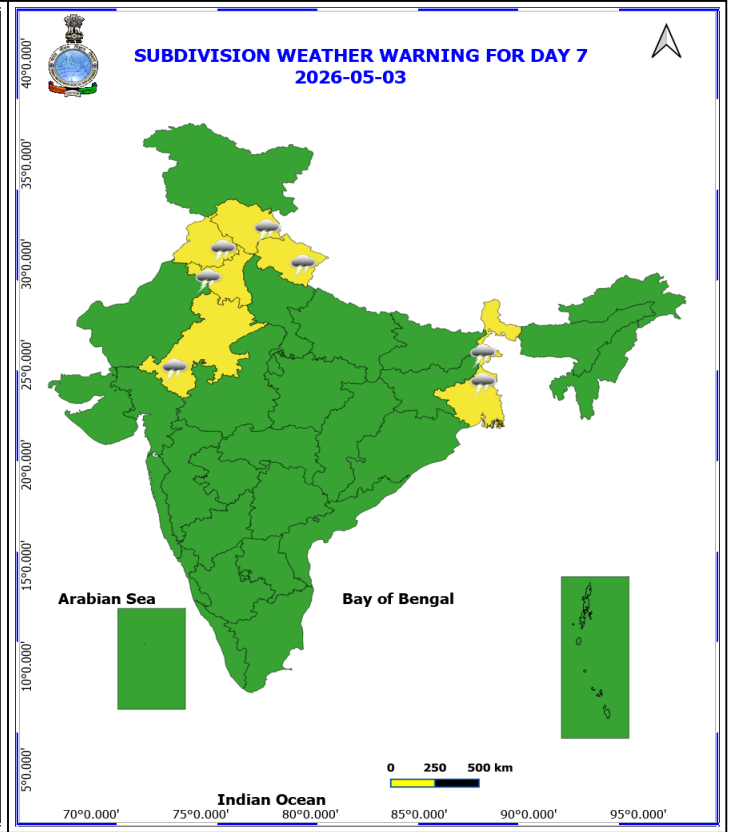
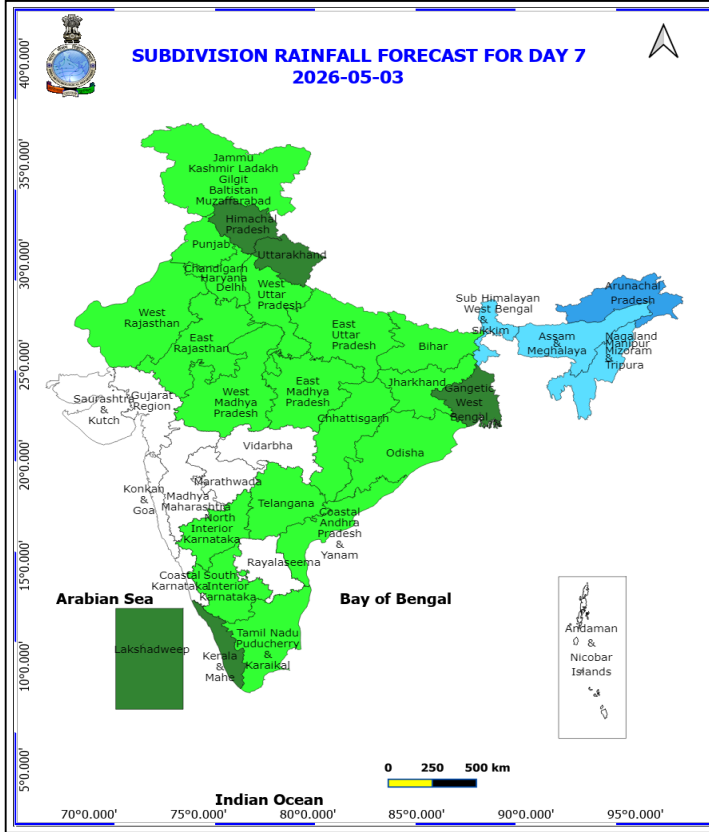
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**2 May (Day 6)**

- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Arunachal Pradesh.
- ❖ **Heavy Rainfall** likely at isolated places over Sub Himalayan West Bengal & Sikkim and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Haryana, Chandigarh & Delhi, Punjab and Uttarakhand.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over East Rajasthan, East Uttar Pradesh and West Bengal & Sikkim.

**No Fishermen Warning**



**3 May (Day 7)**

- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Haryana, Chandigarh & Delhi, Punjab and Uttarakhand.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over East Rajasthan, Himachal Pradesh and West Bengal & Sikkim.

**No Fishermen Warning**



## Table-1

### 7 Days Rainfall Forecast

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

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 2026-04-26

Fig. 2: Departure of Maximum Temp. Dated 2026-04-26

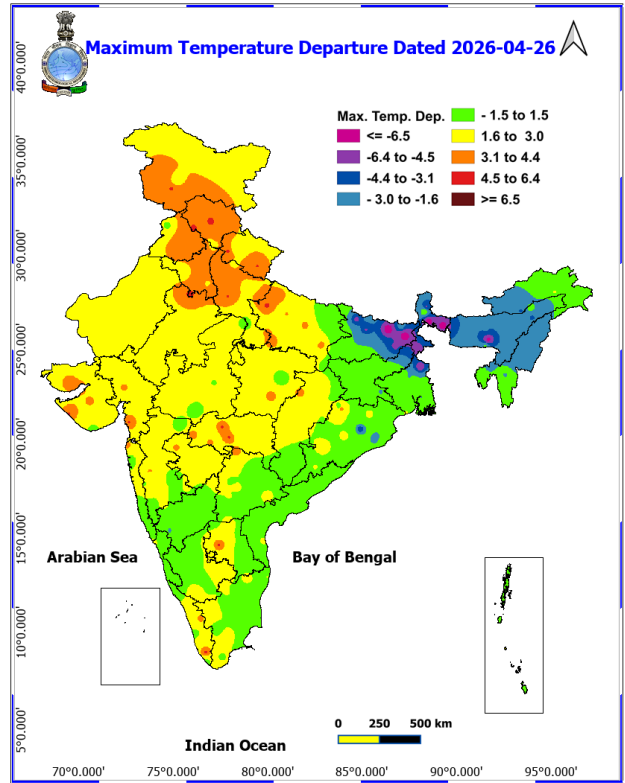
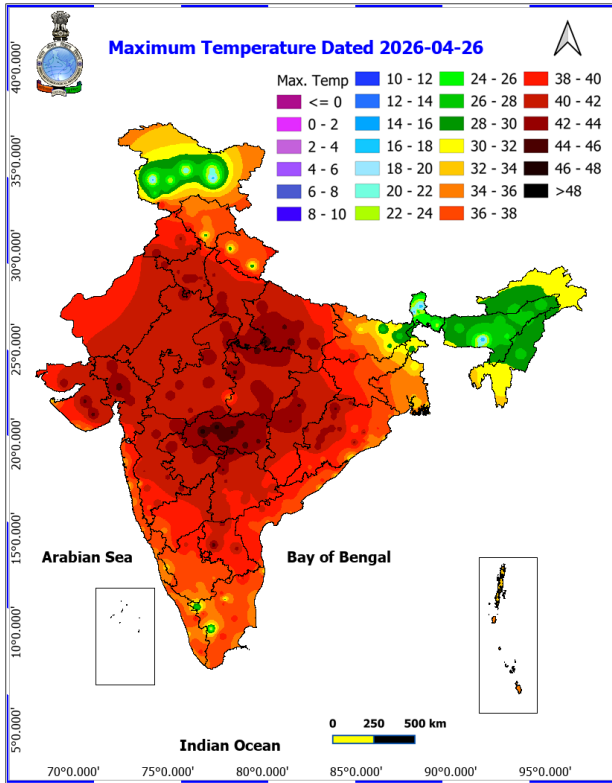
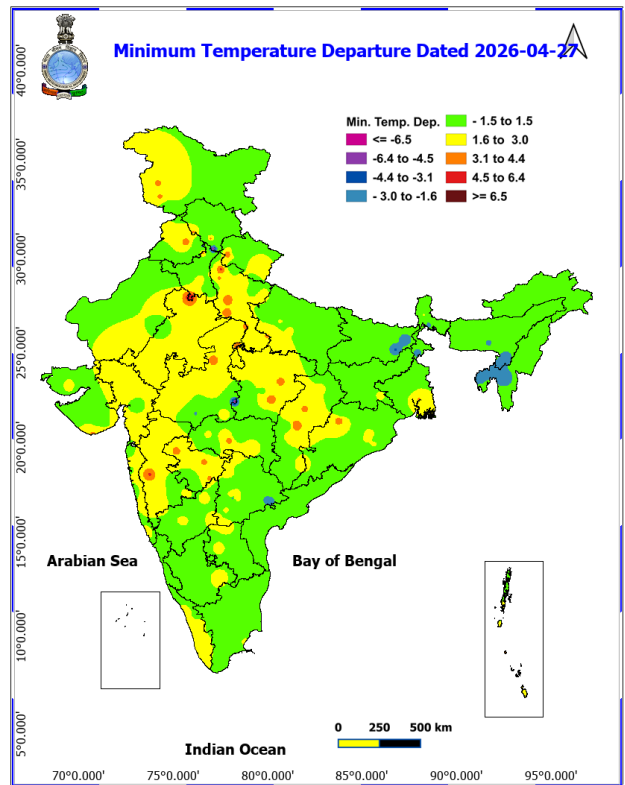
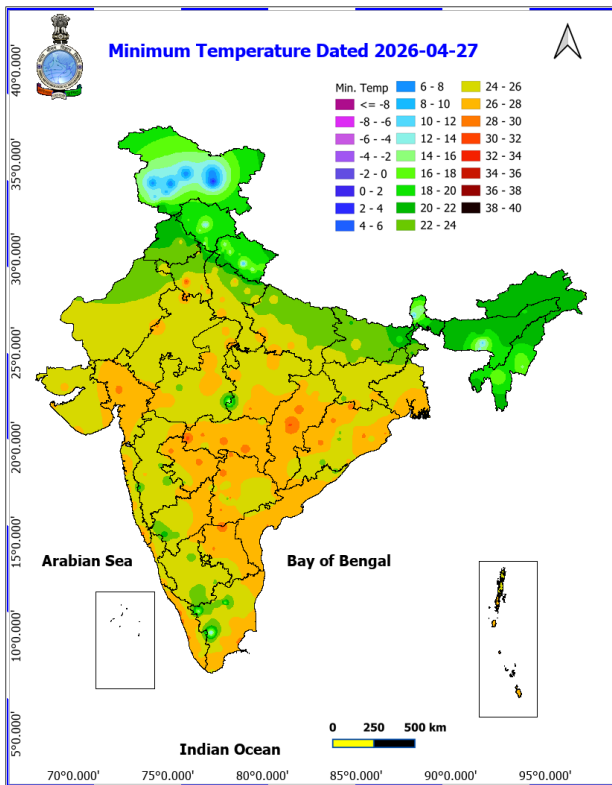


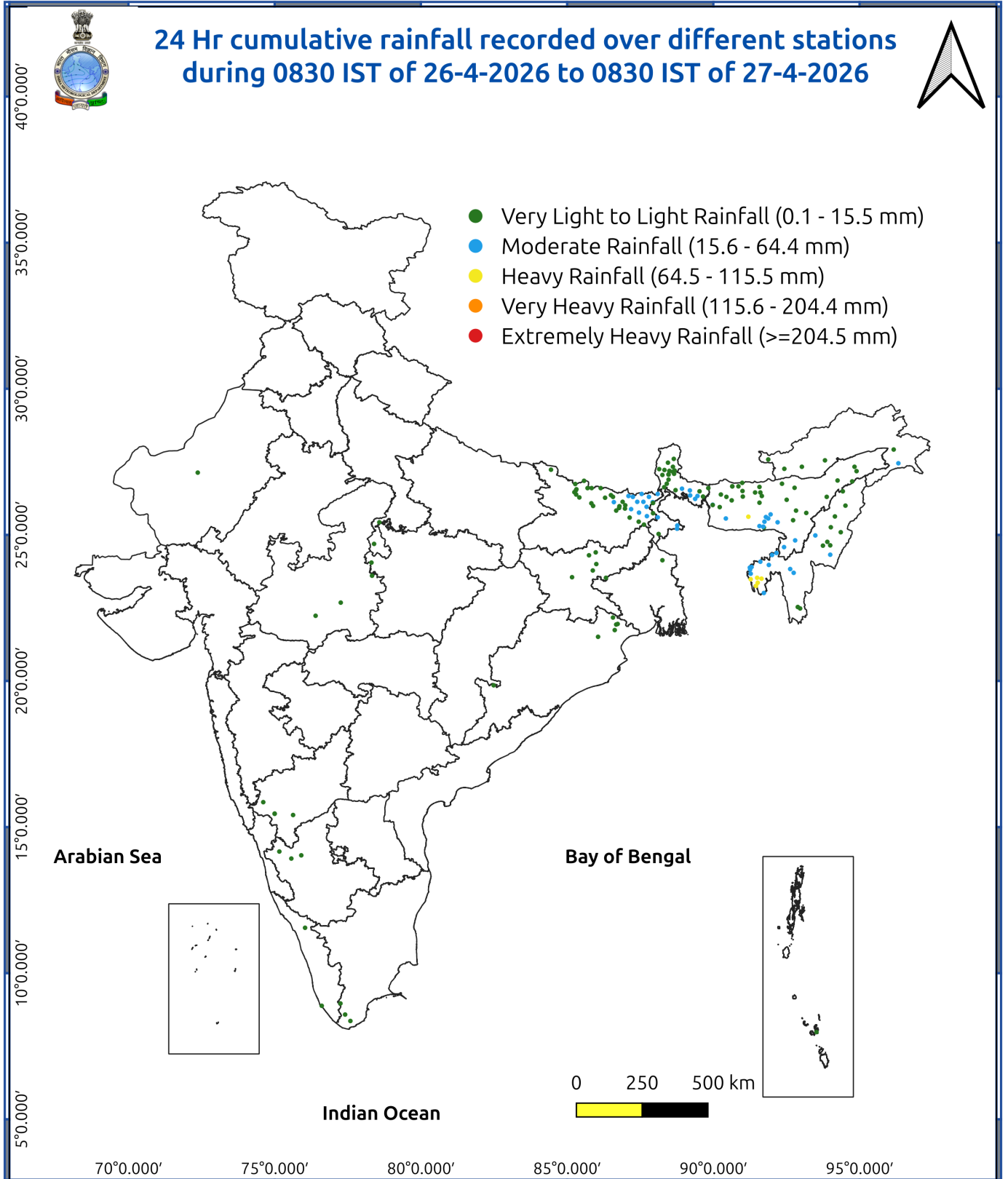
Fig. 3: Minimum Temperatures Dated 2026-04-27

Fig. 4: Departure of Minimum Temp. Dated 2026-04-27



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## Impact and Actions

### Impact & suggested due to heavy rainfall

Isolated **very heavy rainfall** likely over Assam & Meghalaya during 27<sup>th</sup>-30<sup>th</sup> April; Arunachal Pradesh during 30<sup>th</sup> April-02<sup>nd</sup> May and Sub-Himalayan West Bengal & Sikkim on 30<sup>th</sup> April.

**Isolated heavy rainfall** likely over Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya during 27<sup>th</sup> April-02<sup>nd</sup> May; Nagaland, Manipur, Mizoram & Tripura during 27<sup>th</sup> April-01<sup>st</sup> May; Bihar on 28<sup>th</sup>; Gangetic West Bengal on 29<sup>th</sup> & 30<sup>th</sup>; South Interior Karnataka on 30<sup>th</sup> April; Tamil Nadu, Puducherry & Karaikal during 30<sup>th</sup> April-02<sup>nd</sup> May; Kerala & Mahe during 29<sup>th</sup> April-01<sup>st</sup> May;

### 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.

- **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Assam & Meghalaya, Sub-Himalayan West Bengal & Sikkim on 27<sup>th</sup>; Nagaland, Manipur, Mizoram & Tripura on 27<sup>th</sup> & 28<sup>th</sup> April; Punjab and Haryana Chandigarh on 28<sup>th</sup> & 29<sup>th</sup> April; Gangetic West Bengal Jharkhand during 27<sup>th</sup> -30<sup>th</sup>; Bihar on 28<sup>th</sup> April; Chhattisgarh during 29<sup>th</sup> April-01<sup>st</sup> May.
- Isolated **Hailstorm activity** likely over Jharkhand on 27<sup>th</sup> & 30<sup>th</sup> April; North Interior Karnataka during 28<sup>th</sup> -30<sup>th</sup> April; Jammu-Kashmir on 28<sup>th</sup> April, Himachal Pradesh & Uttarakhand on 28<sup>th</sup> & 29<sup>th</sup> April; South Interior Karnataka on 29<sup>th</sup> & 30<sup>th</sup> April.

### 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.

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Minor to major damage to power and communication lines due to breaking of branches.

Strong wind/hail may damage plantation, horticulture and standing crops.

Hail may injure people and cattle at open places.

Partial damage to vulnerable structures due to strong winds.

Minor damage to kutcha houses/walls and huts.

Loose objects may fly.

**Action suggested:**

People are advised to keep a watch on the weather for worsening conditions and be ready to move to safer places accordingly.

Stay indoors, close windows & doors and avoid travel if possible.

Take safe shelters; do not take shelter under trees.

Do not lie on concrete floors and do not lean against concrete walls.

Unplug electrical/ electronic appliances.

Immediately get out of water bodies.

Keep away from all the objects that conduct electricity.

**Impact expected and action suggested**

**Heat wave conditions** very likely in some places of Vidarbha on 27<sup>th</sup> & 28<sup>th</sup> April; in isolated pockets of Jammu-Kashmir, Himachal Pradesh, Haryana Chandigarh, Uttar Pradesh, West Madhya Pradesh & East Rajasthan on 27<sup>th</sup>; West Rajasthan, Odisha, Gujarat State, Rayalaseema, Chhattisgarh and north Telangana on 27<sup>th</sup> & 28<sup>th</sup> April.

**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 & Kashmir, Himachal Pradesh, Uttarakhand, North Interior Karnataka and South Interior Karnataka**, use hail nets or hail caps in fruit orchards and vegetable plants to protect them from mechanical damage.

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- 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**, shift the harvested cabbage, pea, mustard, late-maturing paddy & potatoes produce to safe places. Ensure proper drainage in the fields of rice, maize, other standing crops, vegetables, and orchards.
- In **Assam**, maintain proper drainage to avoid water stagnation in the crop fields. Prioritise immediate harvesting of the mature crops and move the produce to a dry, covered warehouse. Use plastic sheets or temporary nets to cover sensitive nursery beds.
- **Meghalaya**- Postpone sowing of carrot, okra, French bean. Provide proper drainage in maize, ginger and tomato. Provide staking/bamboo support to prevent lodging.
- **Nagaland, Manipur, Mizoram and Tripura**, maintain 5-8 cm water level during early vegetative stage pre-kharif rice, avoid rain water stagnation for long period in crop field.
- In **West Bengal and Sikkim**, ensure proper field drainage to prevent waterlogging, particularly in ginger, tomato, and Dalle Khorsani fields. Protect the nurseries of cucurbits and Dalle Khorsani by covering them with polyethylene sheets or agro-net to safeguard young seedlings. Additionally, apply locally available mulching materials in ginger fields to minimize the direct impact of rainfall.
- In **Bihar**, postpone irrigation, intercultural operations and application of plant protection measures & fertilizers to the standing crops. Provide adequate drainage in standing crop fields to avoid waterlogging.
- In **Kerala**, provide adequate drainage in standing crop fields to avoid waterlogging, move the harvested *Puncha* rice to a dry, covered warehouse, postpone planting of banana.

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

- **Maharashtra – Madhya Maharashtra and Vidarbha** - apply need-based light and frequent irrigation to summer green gram, groundnut, onion, sunflower, sesame, fodder crops, orchards, and vegetables during cooler hours. Use straw mulch in vegetable and orchard crops to reduce evaporation, and install shade nets for newly planted crops.
- **Gujarat - Saurashtra and Kutch**, apply light and frequent irrigation to standing crops like cluster bean, cucumber, ridge gourd, bottle gourd, sponge gourd, and bitter gourd during morning or evening hours. Irrigate groundnut at the flowering and pegging stages.
- **Madhya Pradesh** - Apply light irrigation to maize, *moong*, *urd*, groundnut, and vegetable crops as required.
- **Chhattisgarh** - Apply light irrigation after weeding and hoeing in *rabi* maize, banana, and papaya plantations. Complete harvesting of wheat and chickpea, and ensure safe storage.
- **Himachal Pradesh**: Apply need-based irrigation in wheat, mustard, horticulture and vegetable crops like tomato, capsicum, cabbage & cauliflower, French beans, cucumber, bitter gourd, bottle gourd etc.
- **Haryana** - Provide light irrigation to maintain adequate moisture in standing crops such as summer *moong*, cotton, vegetables, mango, guava & loquat.
- **Uttar Pradesh** - Provide light irrigation to maintain adequate moisture in standing crops such as hybrid maize, Zaid black gram, green gram, vegetables, and sugarcane.
- **Rajasthan** - Provide light irrigation to maintain adequate moisture in standing crops such as Zaid moong, American cotton & *Desi* cotton, okra, watermelon, muskmelon, tinda, cucumber & long melon.
- **Jammu & Kashmir** - apply light and frequent irrigation to the standing crops, use temporary shade nets to protect the fruit plants from high temperatures.
- **Odisha** - Provide light irrigation to *Boro* paddy, summer maize, green gram, black gram, groundnut, and vegetable fields. Ensure adequate soil moisture is maintained in mango and cashew crops.
- **Tamil Nadu**- apply light and frequent irrigation to the standing crops. Use temporary shade nets to protect the fruit plants from high temperatures.
- **Andhra Pradesh - Rayalaseema** - Provide light irrigation to maintain adequate moisture in standing crops such

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as paddy, *rabi* maize, sorghum, chickpea, groundnut, sesame, sugarcane, vegetables, and fruit orchards.

- **Telangana** - Provide irrigation to mango orchards and vegetable crops, as required.
- Carry out mulching with crop residue, straw or polythene to minimize the loss of soil moisture in the standing crops.
- 

#### 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.

- Keep the animals inside the shed during heavy rainfall and provide them balanced feed.
- Store feed and fodder in a safe place to prevent spoilage.
- Construct an outlet with proper netting around the ponds to drain excess water, thereby preventing fish from escaping in the event of overflow.
- In regions with high temperatures and heat waves, provide clean, hygienic, and ample drinking water for animals, and cover the roofs of poultry sheds with grass to reduce the adverse effects.
- Coastal states (especially Kerala), fishermen are advised not to venture into sea.

#### Livestock / Poultry / Fisheries

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

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

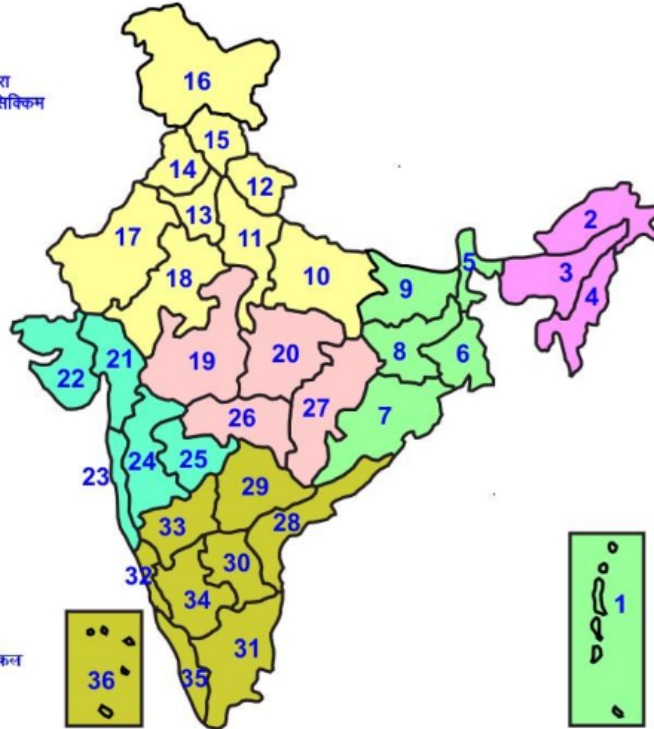
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Coastal states (especially Kerala), fishermen are advised not to venture into sea.

## 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 बांग्लेश
- 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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