

2026-05-17

Time of Issue: 14:11:00 hours IST  
(Mid-Day)

## ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

### Significant Weather Features

#### Advance of Southwest Monsoon 2026:

- The **Northern Limit of Monsoon** continues to pass through 5°N/75°E, 6°N/79°E, 8°N/85°E, 10.5°N/90°E, 13.5°N/95°E, and 15.5°N/98°E.
- Conditions are favourable for further advance of southwest monsoon into some more parts of southeast Arabian Sea, southwest and southeast Bay of Bengal, remaining parts of Andaman Islands and Andaman Sea, and some parts of eastcentral Bay of Bengal during next 2-3 days.
- The **Southwest Monsoon** is likely to set in over Kerala on 26<sup>th</sup> May with a model error of  $\pm 4$  days.

#### Weather warnings

##### Northeast India:

- **Scattered to Fairly widespread** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph)** likely over Assam & Meghalaya on 18<sup>th</sup>, Nagaland, Manipur, Mizoram & Tripura on 17<sup>th</sup> with **thunderstorm, lightning & gusty winds (speed reaching 30-40 kmph)** over Assam & Meghalaya on 17<sup>th</sup>; Nagaland, Manipur, Mizoram & Tripura on 18<sup>th</sup> & 19<sup>th</sup> May with **thunderstorm, lightning on Arunachal Pradesh** on 17<sup>th</sup> & 18<sup>th</sup>; Assam & Meghalaya on 19<sup>th</sup> & 20<sup>th</sup>; Nagaland, Manipur, Mizoram & Tripura during 17<sup>th</sup> -20<sup>th</sup> May.
- **Isolated heavy rainfall** likely over Arunachal Pradesh on 17<sup>th</sup> & 18<sup>th</sup>; Nagaland, Manipur, Mizoram & Tripura, Assam & Meghalaya during 17<sup>th</sup>-23<sup>rd</sup> **with isolated very heavy rainfall over Arunachal Pradesh on 17<sup>th</sup>; Assam & Meghalaya on 17<sup>th</sup>, 22<sup>nd</sup> & 23<sup>rd</sup> May.**

##### South Peninsular India:

- **Scattered to Fairly widespread** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 50-60 kmph) likely over** Coastal Andhra Pradesh & Yanam & Rayalaseema on 20<sup>th</sup> & 21<sup>th</sup>; Interior Karnataka on 17<sup>th</sup> & 18<sup>th</sup> with **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph)** likely over Tamil Nadu, Puducherry & Karaikal during 17<sup>th</sup> -19<sup>th</sup>; Kerala & Mahe during 17<sup>th</sup> -21<sup>th</sup>; Lakshadweep, Coastal Karnataka on 17<sup>th</sup> & 18<sup>th</sup>; Rayalaseema, Coastal Andhra Pradesh & Yanam on 19<sup>th</sup>; Telangana on 17<sup>th</sup>; Interior Karnataka on 19<sup>th</sup> & 20<sup>th</sup> May; **Isolated to scattered** light to moderate rainfall with **thunderstorm, lightning & gusty winds (40-50 kmph)** likely over Rayalaseema during 16<sup>th</sup>-20<sup>th</sup>; Coastal Andhra Pradesh & Yanam during 18<sup>th</sup>-20<sup>th</sup>; South Interior Karnataka on 16<sup>th</sup> May with **thunderstorm, lightning & gusty winds (speed reaching 30-40 kmph)** likely over Tamil Nadu, Puducherry & Karaikal on 20<sup>th</sup> & 21<sup>th</sup>; Coastal Andhra Pradesh & Yanam & Rayalaseema on 17<sup>th</sup> & 18<sup>th</sup>; Coastal Karnataka during 19<sup>th</sup> -21<sup>st</sup> May.
- **Isolated Heavy rainfall** also likely over Tamil Nadu, Puducherry & Karaikal, Coastal Karnataka, Kerala & Mahe during 17<sup>th</sup> -19<sup>th</sup>; Lakshadweep on 17<sup>th</sup> & 18<sup>th</sup>; **with isolated very heavy rainfall over Kerala & Mahe on 17<sup>th</sup> May.**
- **Hailstorm activity likely** at isolated places over Interior Karnataka on 17<sup>th</sup> & 18<sup>th</sup> May.

##### East India:

- **Fairly widespread to widespread** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph)** likely over Sub-Himalayan West Bengal & Sikkim on 17<sup>th</sup> & during 20<sup>th</sup> -23<sup>rd</sup>; Gangetic West Bengal during 17<sup>th</sup> -19<sup>th</sup> with **thunderstorm, lightning & gusty winds (speed reaching 30-40 kmph) likely** over Sub-Himalayan West Bengal & Sikkim on 18<sup>th</sup> & 19<sup>th</sup> May.
- **Isolated to scattered** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph)** likely over Andaman & Nicobar Islands during 19<sup>th</sup> -23<sup>rd</sup>; Bihar on 17<sup>th</sup>, 19<sup>th</sup> & during 21<sup>st</sup> -23<sup>rd</sup>; Jharkhand on 17<sup>th</sup> & 18<sup>th</sup> & during 21<sup>st</sup> -23<sup>rd</sup>; Odisha during the week except on 20<sup>th</sup> May.
- **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Andaman & Nicobar Islands on 17<sup>th</sup> & 18<sup>th</sup>; Bihar & Odisha on 20<sup>th</sup>; Jharkhand on 19<sup>th</sup> & 20<sup>th</sup> May.

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- **Isolated heavy rainfall** likely over Andaman & Nicobar Islands during the week; Sub-Himalayan West Bengal & Sikkim on 17<sup>th</sup> & during 21<sup>st</sup> -23<sup>rd</sup> May **with isolated very heavy rainfall over Andaman & Nicobar Islands, Sub-Himalayan West Bengal & Sikkim on 17<sup>th</sup> May.**

#### Northwest India:

- **Scattered to Isolated light to moderate rainfall with thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph)** likely over Jammu-Kashmir on 19<sup>th</sup> & 20<sup>th</sup>; Uttarakhand during 20<sup>th</sup> -23<sup>rd</sup> May. **Isolated light to moderate rainfall with thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph)** likely over Himachal Pradesh during 19<sup>th</sup> -23<sup>rd</sup> May.

#### Central India:

- **Isolated light to moderate rainfall with thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph)** likely over Madhya Pradesh & Vidarbha on 17<sup>th</sup>; Chhattisgarh on 17<sup>th</sup> & 18<sup>th</sup> May.

#### West India:

- **Isolated light to moderate rainfall with thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph)** likely over Madhya Maharashtra on 17<sup>th</sup> & 18<sup>th</sup>; Konkan & Goa and Marathwada on 17<sup>th</sup> May.

#### Forecast of maximum/day temperatures:

- Gradual rise in maximum temperatures by 3-5°C likely over many parts of Northwest India till 21<sup>th</sup> May and no significant change during 22<sup>nd</sup> -23<sup>rd</sup> May.
- No significant change in maximum temperatures likely over Maharashtra and Gujarat State till 19<sup>th</sup> and gradual fall by 2-3°C during 20<sup>th</sup> -22<sup>nd</sup> May.
- Gradual rise in maximum temperatures by 2-3°C likely over parts of East, Northeast India and Telangana till 19<sup>th</sup> May and no significant change during 20<sup>th</sup> to 23<sup>rd</sup> May.
- No significant change in maximum temperatures likely over rest parts of the country till 23<sup>rd</sup> May 2026.

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

- **Heat wave conditions** in isolated pockets likely to prevail over Rajasthan during 17<sup>th</sup> -23<sup>rd</sup>; Punjab, Haryana Chandigarh & Delhi during 18<sup>th</sup> -23<sup>rd</sup>; Madhya Pradesh & Vidarbha during 17<sup>th</sup> -21<sup>st</sup>; Chhattisgarh on 20<sup>th</sup> & 21<sup>st</sup> May.
- **Heat wave conditions** in isolated/ some pockets likely to prevail over Uttar Pradesh during 17<sup>th</sup> -23<sup>rd</sup> with **severe heat wave conditions** in isolated/ some pockets over Uttar Pradesh during 19<sup>th</sup> -23<sup>rd</sup> May.
- **Heat wave conditions** in isolated pockets likely to prevail over Telangana during 17<sup>th</sup> -21<sup>st</sup> May.
- **Warm Night conditions** in isolated pockets likely to prevail over West Rajasthan on 17<sup>th</sup> & 18<sup>th</sup> May.

#### Fisherman Warning:

Fishermen are advised not to venture into the following areas during 17th May to 22nd May, 2026:

#### Bay of Bengal:

- Over Gulf of Mannar, Comorin area, many parts of south Bay of Bengal, few parts of eastcentral & westcentral Bay of Bengal during 17th to 20th May; Over Gulf of Mannar, Comorin area, many parts of south Bay of Bengal, some parts of eastcentral & westcentral Bay of Bengal during 20th to 22nd May.
- Over Andaman Sea during 17<sup>th</sup> to 22<sup>nd</sup> May.

#### Arabian Sea:

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- Along and off Keralam, Karnataka coasts, over Lakshadweep, adjoining Maldives areas during 17th to 19th May.
- Along and off Somalia coast, adjoining southwest Arabian Sea on 18th May and during 20 to 22nd May.

**Main Weather Observations:**

❖ **Rainfall distribution** (from 0830 hours IST of yesterday to 0830 hours IST of today): **at most places** over Arunachal Pradesh, Assam & Meghalaya, Sub Himalayan West Bengal & Sikkim and Lakshadweep; **at many places** over Andaman & Nicobar Islands, Nagaland, Manipur, Mizoram & Tripura and Kerala & Mahe; **at isolated places** over Gangetic West Bengal, Odisha, Jharkhand, Bihar, Uttarakhand, Himachal Pradesh, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad, East Madhya Pradesh, Konkan & Goa, Vidarbha, Chhattisgarh, Telangana, Rayalaseema and Tamil Nadu, Puducherry & Karaikal; **Dry** over rest of the country.

❖ **Significant rainfall recorded(in cm)** (from 0830 hours IST of yesterday to 0830 hours IST of today): **Sub Himalayan West Bengal & Sikkim:** Indong T.e. (dist Jalpaiguri) 14; Hilla T.e. (dist Jalpaiguri) 13; Chalouni Tea Estate (dist Jalpaiguri), Zurrantee T.e (dist Jalpaiguri) 10 Each; Singhik (dist Mangan), Dalgaon Tea Estate (dist Alipurduar) 9 Each; Balurghat (dist South Dinajpur), Singimari (dist Cooch Behar), Bhagatpur Tea Estate (dist Jalpaiguri), Kurti T.e. (dist Jalpaiguri), Fagu Tea Estate (dist Jalpaiguri) 8 Each; Ghatia T.e. (dist Jalpaiguri), Moraghat Tea Estate (dist Jalpaiguri), Tra Nagrakata (dist Jalpaiguri) 7 Each; **Kerala & Mahe:** Kayamkulam ARG (dist Alapuzha) 11; Cherthala (dist Alapuzha) 7; **Assam & Meghalaya:** Cherrapunji(rkm) (dist East Khasi Hills) 9; D/Mohanbari AP (dist Dibrugarh), B P Ghat (dist Sribhumi), Dhemaji (dist Dhemaji), Mawkyrwat (dist South West Khasi Hills) 7 Each; **Odisha:** Banaigarh (dist Sundargarh), Gurundia (dist Sundargarh) 9 Each; Kosagumda (dist Nawarangpur), Lahunipara (dist Sundargarh) 7 Each; **Arunachal Pradesh:** Tuting (dist Upper Siang) 8; **Tamil Nadu, Puducherry & Karaikal:** Suthamalli Dam (dist Ariyalur) 7.

❖ **Heavy Rainfall observed** (from 0830 hours IST of yesterday to 0830 hours IST of today):**Heavy to very heavy rain** at isolated places over Sub Himalayan West Bengal & Sikkim. **Heavy rain** at isolated places over Arunachal Pradesh, Assam & Meghalaya, Odisha, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.

❖ **Minimum Temperature Departures (as on 17-05-2026): markedly above normal(> 5.1°C)** at few places over West Madhya Pradesh and East Madhya Pradesh; at isolated places over Assam & Meghalaya, Bihar, East Uttar Pradesh, West Uttar Pradesh, Gujarat Region and Saurashtra & Kutch. **appreciably above normal(3.1°C to 5.0°C)** at few places over West Rajasthan, East Rajasthan and Madhya Maharashtra; at isolated places over Assam & Meghalaya, Gangetic West Bengal, Odisha, Himachal Pradesh, West Madhya Pradesh, East Madhya Pradesh, Saurashtra & Kutch, Marathwada, Vidarbha and Tamil Nadu, Puducherry & Karaikal. **above normal(1.6°C to 3.0°C)** at few places over Andaman & Nicobar Islands, Assam & Meghalaya, Gangetic West Bengal, Odisha, Bihar, Punjab, West Rajasthan, Gujarat Region, Konkan & Goa, Madhya Maharashtra, Vidarbha, Rayalaseema, North Interior Karnataka and Lakshadweep; at isolated places over Nagaland, Manipur, Mizoram & Tripura, Sub Himalayan West Bengal & Sikkim, East Uttar Pradesh, West Uttar Pradesh, Uttarakhand, Haryana-Chandigarh-Delhi, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad, West Madhya Pradesh, Saurashtra & Kutch, Coastal Andhra Pradesh & Yanam, Telangana, Tamil Nadu, Puducherry & Karaikal and South Interior Karnataka. **near normal(-1.5°C to 1.5°C)** at many places over Nagaland, Manipur, Mizoram & Tripura, Sub Himalayan West Bengal & Sikkim, Odisha, West Uttar Pradesh, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad, East Rajasthan, Saurashtra & Kutch, Konkan & Goa, Rayalaseema, Tamil Nadu, Puducherry & Karaikal, Coastal Karnataka, South Interior Karnataka and Lakshadweep; at most places over Arunachal Pradesh, Jharkhand, East Uttar Pradesh, Haryana-Chandigarh-Delhi, Himachal Pradesh, Marathwada, Coastal Andhra Pradesh & Yanam and Kerala & Mahe; at few places over Andaman & Nicobar Islands, Assam & Meghalaya, Gangetic West Bengal, Bihar, Uttarakhand, Punjab, West Rajasthan, West Madhya Pradesh, Gujarat Region, Madhya Maharashtra, Telangana and North Interior Karnataka; at isolated places over East Madhya Pradesh, Vidarbha and Chhattisgarh. **The lowest minimum temperature** of 17.0°C was reported at HALFLONG (ASSAM) over the Plains of India.

❖ **Maximum Temperature Departures (as on 16-05-2026): markedly above normal(> 5.1°C)** at few places over East Madhya Pradesh; at isolated places over West Uttar Pradesh, East Rajasthan and West Madhya Pradesh. **appreciably above normal(3.1°C to 5.0°C)** at few places over Gujarat Region; at isolated places over Gangetic West Bengal, East Uttar Pradesh, Himachal Pradesh, Madhya Maharashtra and Vidarbha. **above normal(1.6°C to 3.0°C)** at many places over Marathwada; at few places over Saurashtra & Kutch and North Interior Karnataka; at isolated places over Andaman & Nicobar Islands, Odisha, Bihar, Uttarakhand, West Rajasthan, Konkan & Goa, Coastal Andhra Pradesh & Yanam and Telangana. **near normal(-1.5°C to 1.5°C)** at many places over Nagaland, Manipur, Mizoram &

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Tripura, Sub Himalayan West Bengal & Sikkim, Punjab and Coastal Karnataka; at most places over Assam & Meghalaya, Jharkhand, Haryana-Chandigarh-Delhi, Jammu-Kashmir Ladakh-Gilgit-Baltistan-Muzaffarabad, Rayalaseema and South Interior Karnataka; at few places over Tamil Nadu, Puducherry & Karaikal; at isolated places over Chhattisgarh and Kerala & Mahe. **The highest maximum temperature** of 46.0°C was reported at AMRAOTI & WARDHA (VIDARABHA).

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

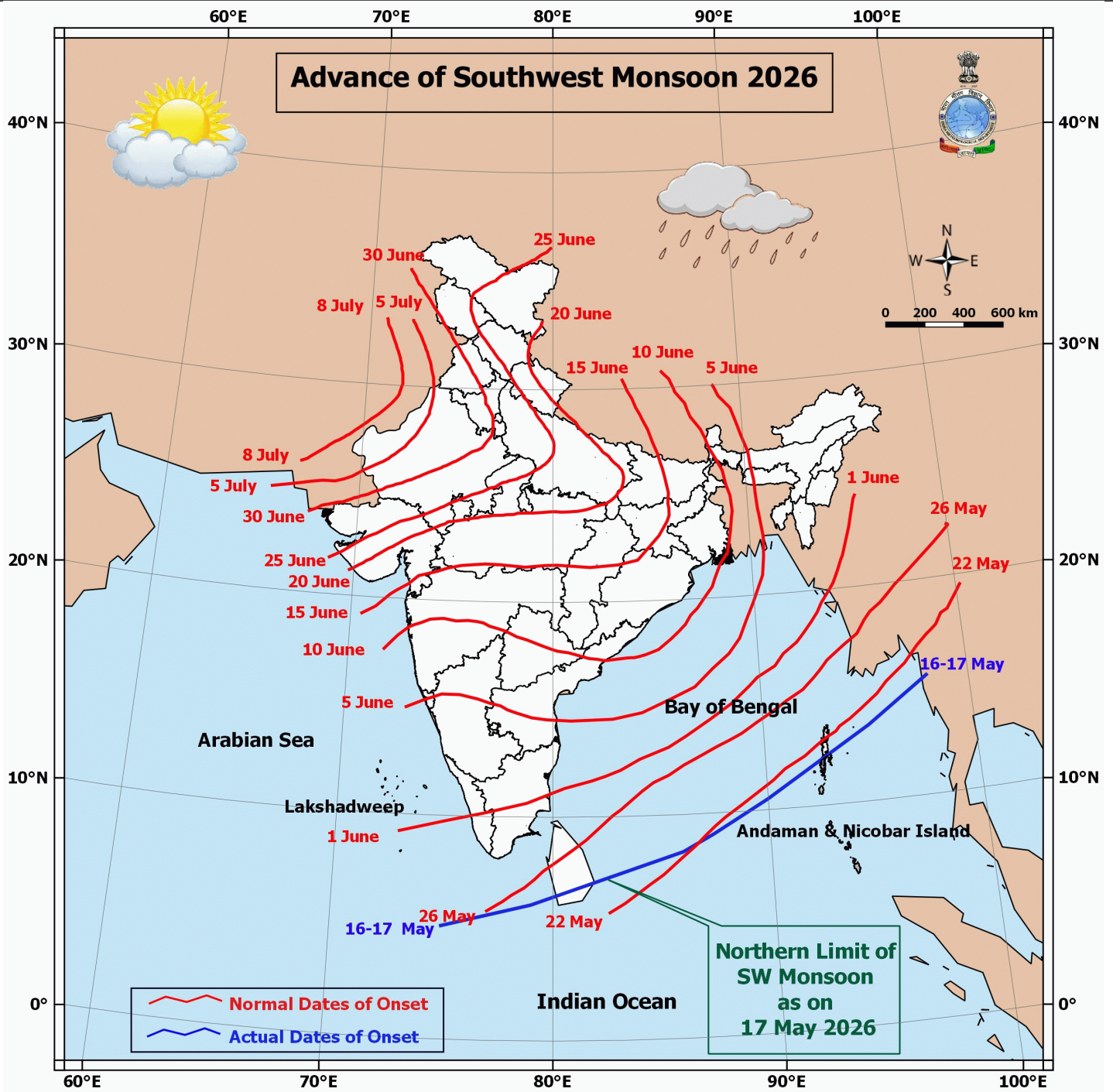
- The **Northern Limit of Monsoon** continues to pass through 5°N/75°E, 6°N/79°E, 8°N/85°E, 10.5°N/90°E, 13.5°N/95°E, and 15.5°N/98°E.
- Conditions are favourable for further advance of southwest monsoon into some more parts of southeast Arabian Sea, southwest and southeast Bay of Bengal, remaining parts of Andaman Islands and Andaman Sea, and some parts of eastcentral Bay of Bengal during next 2-3 days.
- The **Southwest Monsoon** is likely to set in over Kerala on 26<sup>th</sup> May with a model error of  $\pm 4$  days.
- The **upper air cyclonic circulation** over southwest Bay of Bengal & adjoining Tamil Nadu now lies over northeast Tamil Nadu and neighbourhood at 1.5 km above mean sea level.
- The **upper air cyclonic circulation** over southeast Rajasthan and adjoining West Madhya Pradesh now lies over West Madhya Pradesh and neighbourhood at 1.5 km above mean sea level.
- The **upper air cyclonic circulation** over northeast Vidarbha & neighbourhood now lies over west Vidarbha & neighbourhood at 0.9 km above mean sea level.
- An **upper air cyclonic circulation** lies over East Uttar Pradesh at 0.9 km above mean sea level.
- An **upper air cyclonic circulation** lies over Northeast Bihar at 0.9 km above mean sea level.
- An **upper air cyclonic circulation** lies over central Assam & neighbourhood at 0.9 km above mean sea level.
- An **upper air cyclonic circulation** lies over Comorin Area & neighbourhood at 3.1 km above mean sea level.
- A **trough/ wind discontinuity** now runs from the cyclonic circulation over west Vidarbha & neighbourhood to Gulf of Mannar across Marathwada, interior Karnataka, and Tamil Nadu at 0.9 km above mean sea level.
- The **Western Disturbance** as a cyclonic circulation over west Iran & neighbourhood now lies over north Iran & neighbourhood at 5.8 km above mean sea level.
- The **trough** in middle tropospheric westerlies with its axis at 5.8 km above mean sea level now runs roughly along Long. 92°E to the north of Lat. 26°N has moved away east-northeastwards.
- The **east-west trough** from north Bihar to south Assam across North Gangetic West Bengal at 0.9 km has become less marked.

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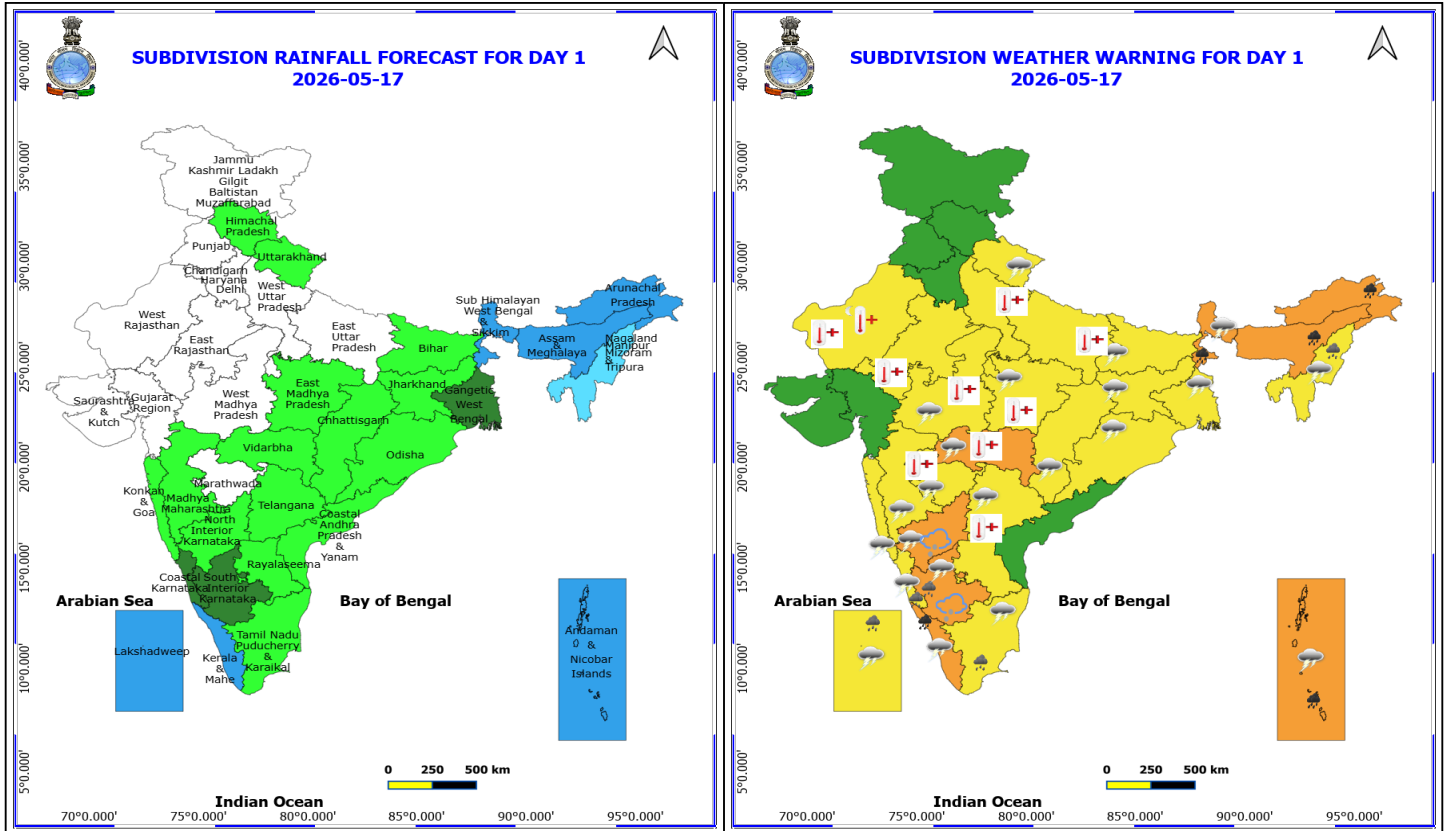
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### 17 May (Day 1)

- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Kerala & Mahe and Sub Himalayan West Bengal & Sikkim.
- ❖ **Heavy Rainfall** very likely at isolated places over Coastal Karnataka, Lakshadweep, Nagaland, Manipur, Mizoram and Tripura, South Interior Karnataka and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with Hailstorm** very likely at isolated places over Interior Karnataka.
- ❖ **Thundersquall with wind speed reaching(50-60kmph)** very likely at isolated places over Andaman & Nicobar Islands and Interior Karnataka.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Bihar, Chhattisgarh, Coastal Karnataka, Jharkhand, Kerala & Mahe, Konkan & Goa, Lakshadweep, Madhya Pradesh, Maharashtra, Nagaland, Manipur, Mizoram and Tripura, Odisha, Tamil Nadu Puducherry & Karaikal, Telangana, Uttarakhand and West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Andhra Pradesh and Assam & Meghalaya.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Arunachal Pradesh.
- ❖ **Heat Wave conditions** very likely at isolated places over Madhya Pradesh, Marathwada, Rajasthan, Telangana, Uttar Pradesh and Vidarbha.
- ❖ **Warm Night conditions** very likely at isolated places over West Rajasthan.

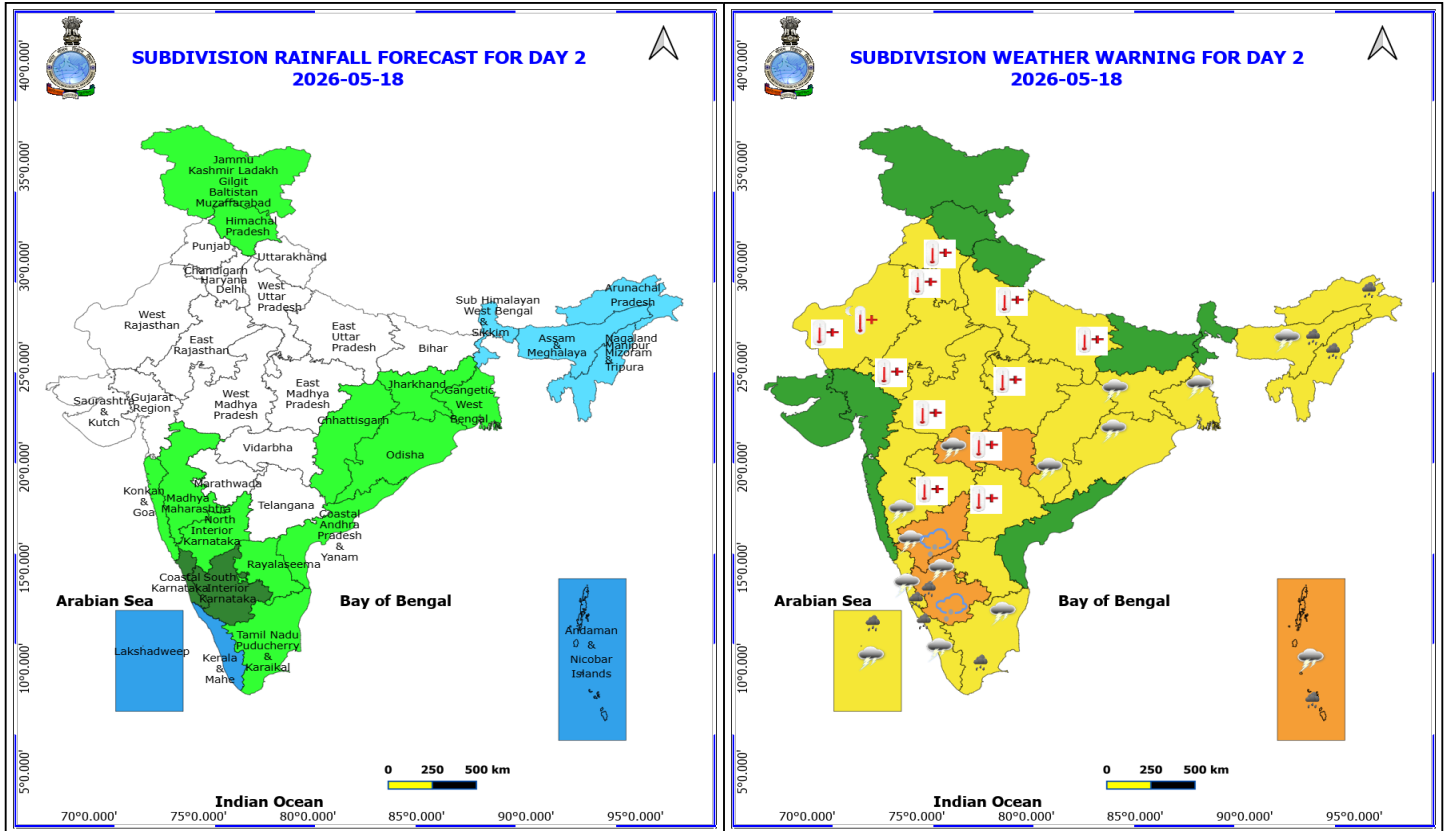
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❖ Squally Weather with wind speed 40-50 kmph gusting to 60 kmph is likely to prevail along and off Keralam, Karnataka coasts, over Lakshadweep.

❖ 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, most parts of southwest adjoining southeast and central Bay of Bengal, over Andaman Sea.**



**18 May (Day 2)**

- ❖ **Heavy Rainfall** very likely at isolated places over Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Coastal Karnataka, Kerala & Mahe, Lakshadweep, Nagaland, Manipur, Mizoram and Tripura, South Interior Karnataka and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with Hailstorm** very likely at isolated places over Interior Karnataka.
- ❖ **Thundersquall with wind speed reaching(50-60kmph)** very likely at isolated places over Andaman & Nicobar Islands and Interior Karnataka.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Assam & Meghalaya, Chhattisgarh, Coastal Karnataka, Gangetic West Bengal, Jharkhand, Kerala & Mahe, Lakshadweep, Madhya Maharashtra, Odisha, Tamil Nadu Puducherry & Karaikal and Vidarbha.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Andhra Pradesh, Nagaland, Manipur, Mizoram and Tripura and Sub Himalayan West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Arunachal Pradesh.
- ❖ **Heat Wave conditions** very likely at isolated places over East Uttar Pradesh, Haryana, Chandigarh & Delhi, Madhya Pradesh, Marathwada, Punjab, Rajasthan, Telangana and Vidarbha.
- ❖ **Heat Wave to Severe Heat Wave conditions** very likely at isolated places over West Uttar Pradesh.
- ❖ **Warm Night conditions** very likely at isolated places over West Rajasthan.
- ❖ **Arabian Sea: Squally weather with wind speed 45-55 kmph gusting to 65 kmph** is likely to prevail along and

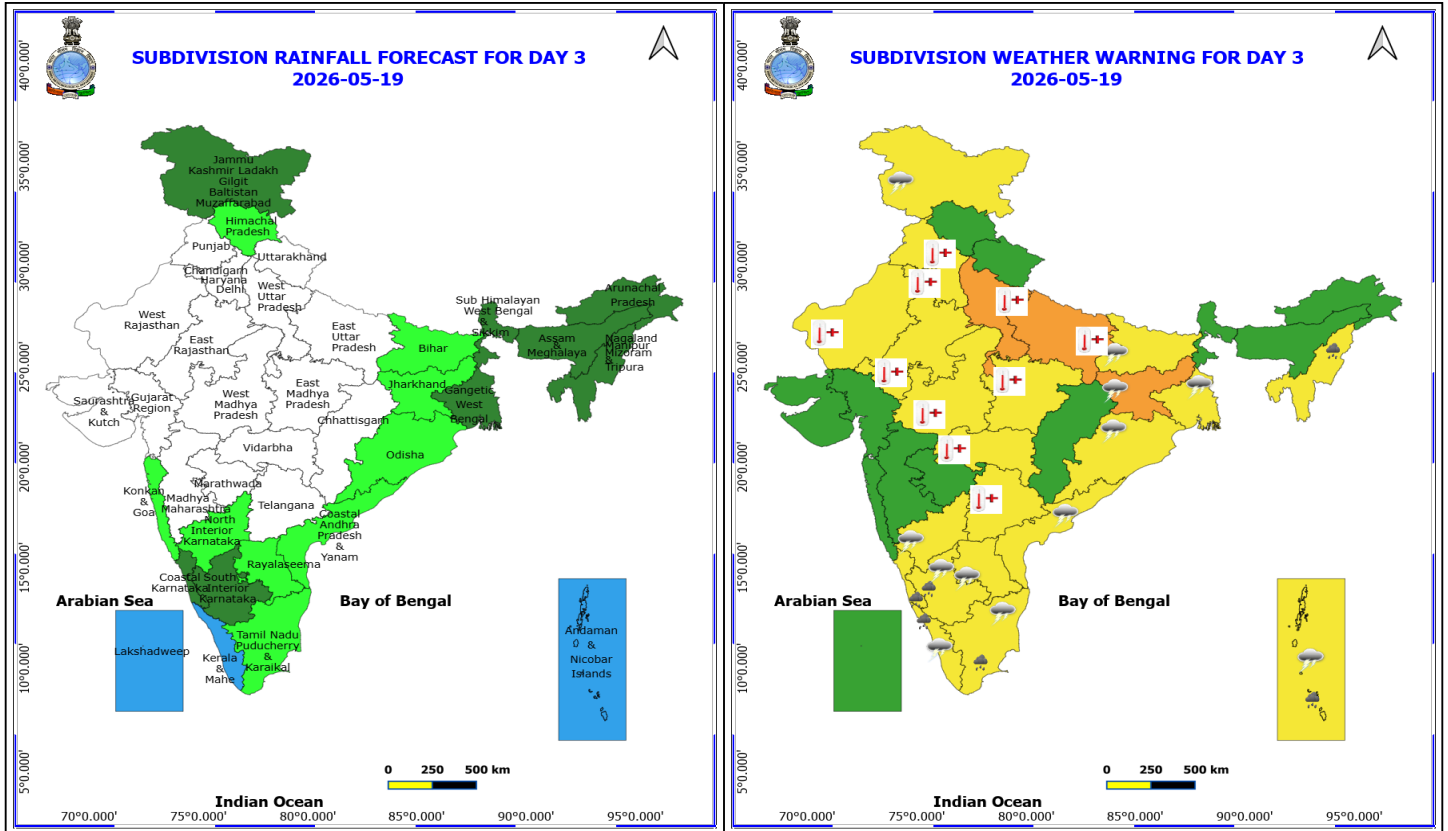
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off south Somalia coast, adjoining southwest Arabian Sea.

❖ **Squally Weather with wind speed 40-50 kmph gusting to 60 kmph** is likely to prevail along and off Keralam, Karnataka coasts, over Lakshadweep.

❖ **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, most parts of south Bay of Bengal adjoining central Bay of Bengal, over Andaman Sea.



### 19 May (Day 3)

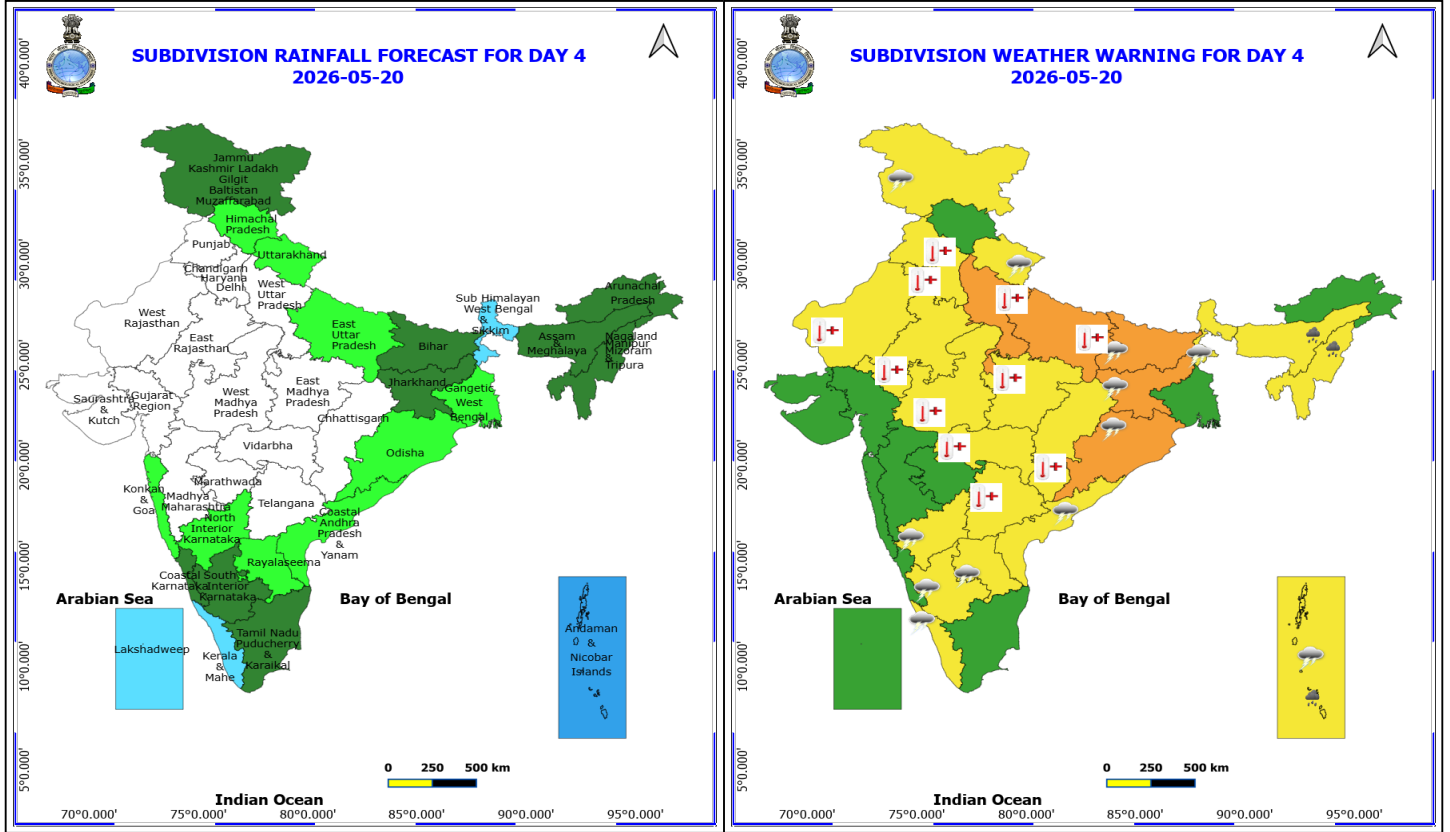
- ❖ **Heavy Rainfall** very likely at isolated places over Andaman & Nicobar Islands, Coastal Karnataka, Kerala & Mahe, Nagaland, Manipur, Mizoram and Tripura, South Interior Karnataka and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thundersquall with wind speed reaching(50-60kmph)** very likely at isolated places over Jharkhand.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Andaman & Nicobar Islands, Andhra Pradesh, Bihar, Gangetic West Bengal, Interior Karnataka, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Kerala & Mahe, Odisha and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Coastal Karnataka, Himachal Pradesh, Nagaland, Manipur, Mizoram and Tripura and Sub Himalayan West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Assam & Meghalaya.
- ❖ **Heat Wave conditions** very likely at isolated places over Haryana, Chandigarh & Delhi, Madhya Pradesh, Punjab, Rajasthan, Telangana and Vidarbha.
- ❖ **Heat Wave to Severe Heat Wave conditions** very likely at isolated places over Uttar Pradesh.
- ❖ 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, most parts of south Bay of Bengal adjoining central Bay of Bengal, over Andaman Sea.

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## 20 May (Day 4)

- ❖ **Heavy Rainfall** likely at isolated places over Andaman & Nicobar Islands, Assam & Meghalaya and Nagaland, Manipur, Mizoram and Tripura.
- ❖ **Thundersquall with wind speed reaching(50-60kmph)** likely at isolated places over Andhra Pradesh, Bihar, Jharkhand and Odisha.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Andaman & Nicobar Islands, Interior Karnataka, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Kerala & Mahe, Sub Himalayan West Bengal & Sikkim and Uttarakhand.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Himachal Pradesh and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Assam & Meghalaya, Coastal Karnataka and Nagaland, Manipur, Mizoram and Tripura.
- ❖ **Heat Wave conditions** likely at isolated places over Chhattisgarh, Haryana, Chandigarh & Delhi, Madhya Pradesh, Punjab, Rajasthan, Telangana and Vidarbha.
- ❖ **Heat Wave to Severe Heat Wave conditions** likely at isolated places over Uttar Pradesh.
- ❖ **Arabian Sea: Squally weather with wind speed 45-55 kmph gusting to 65 kmph** is likely to prevail along and off south Somalia coast, adjoining southwest Arabian Sea.
- ❖ **Bay of Bengal: Squally Weather with wind speed 40-50 kmph gusting to 60 kmph** is likely to prevail over along and off north Tamil Nadu, Gulf of Mannar, adjoining Comorin area, most parts of south Bay of Bengal adjoining

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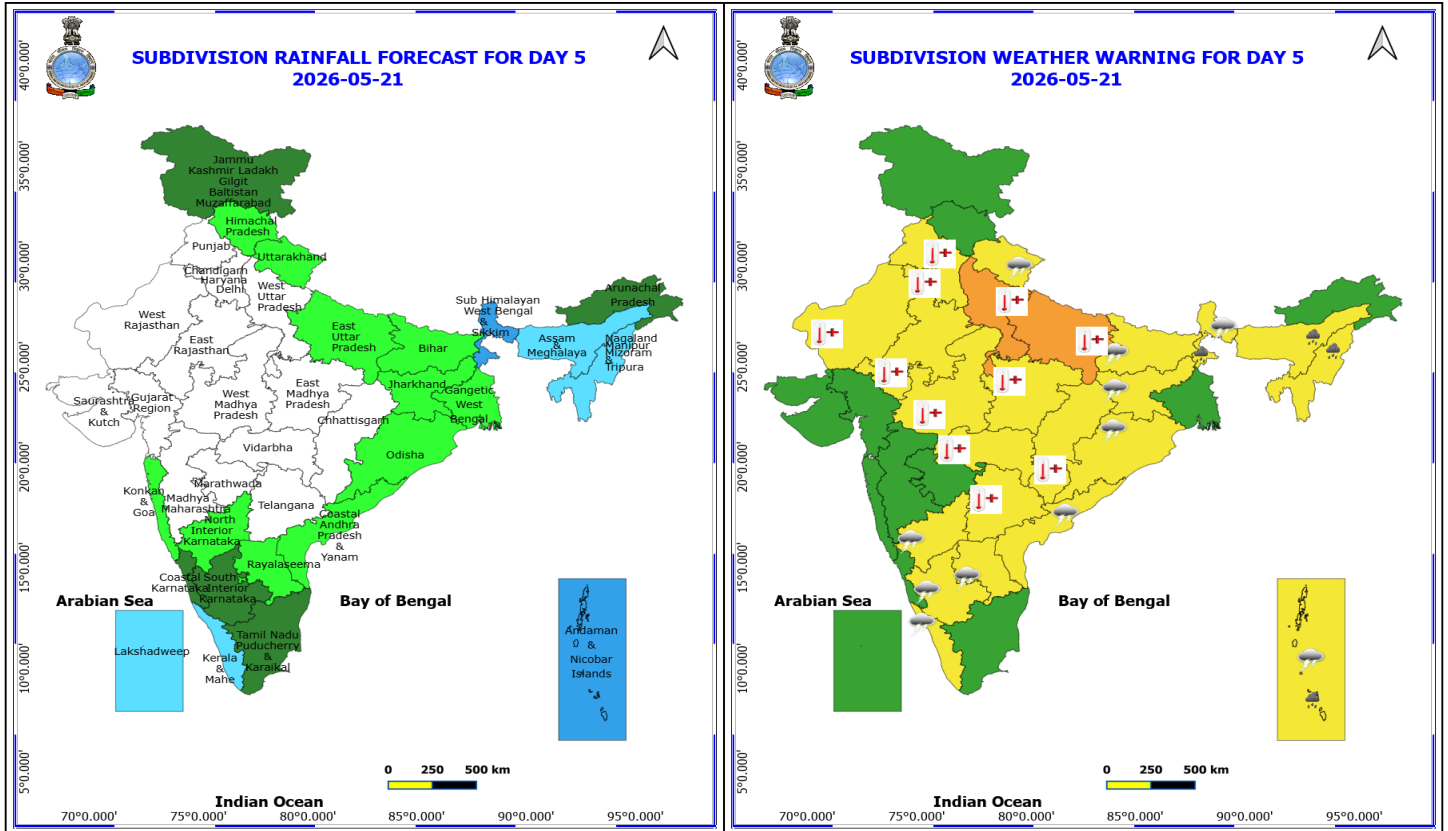
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few parts of central Bay of Bengal, over Andaman Sea.

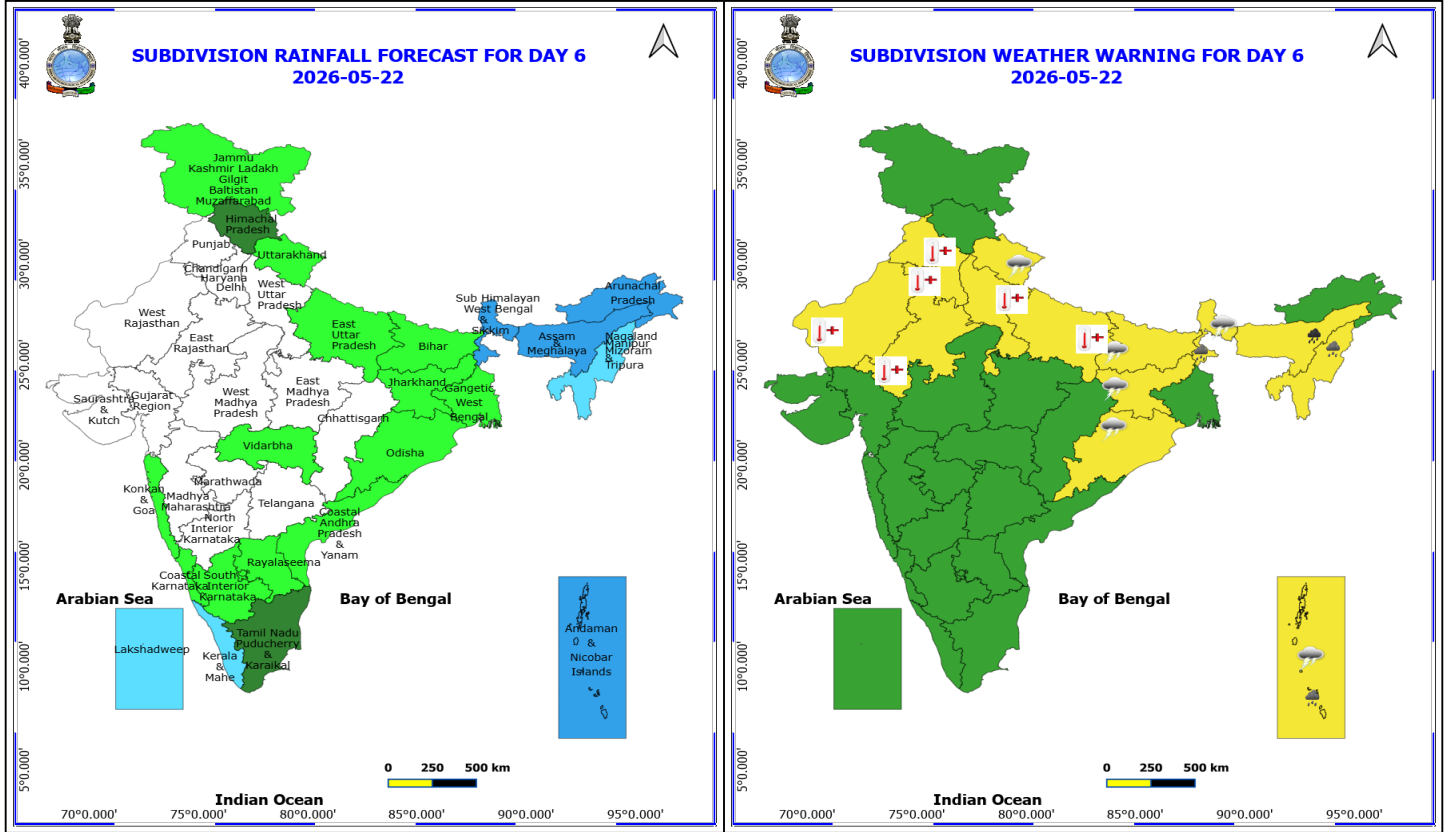


## 21 May (Day 5)

- ❖ **Heavy Rainfall** likely at isolated places over Andaman & Nicobar Islands, Assam & Meghalaya, Nagaland, Manipur, Mizoram and Tripura and Sub Himalayan West Bengal & Sikkim.
- ❖ **Thundersquall with wind speed reaching(50-60kmph)** likely at isolated places over Andhra Pradesh.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Andaman & Nicobar Islands, Bihar, Interior Karnataka, Jharkhand, Kerala & Mahe, Odisha, Sub Himalayan West Bengal & Sikkim and Uttarakhand.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Himachal Pradesh and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Coastal Karnataka.
- ❖ **Heat Wave conditions** likely at isolated places over Chhattisgarh, Haryana, Chandigarh & Delhi, Madhya Pradesh, Punjab, Rajasthan, Telangana and Vidarbha.
- ❖ **Heat Wave to Severe Heat Wave conditions** likely at isolated places over Uttar Pradesh.
- ❖ **Arabian Sea: Squally weather with wind speed 45-55 kmph gusting to 65 kmph** is likely to prevail along and off south Somalia coast, adjoining southwest Arabian Sea.
- ❖ **Bay of Bengal: Squally Weather with wind speed 40-50 kmph gusting to 60 kmph** is likely to prevail over along and off north Tamil Nadu, Gulf of Mannar, adjoining Comorin area, most parts of south Bay of Bengal adjoining few parts of central Bay of Bengal, over Andaman Sea

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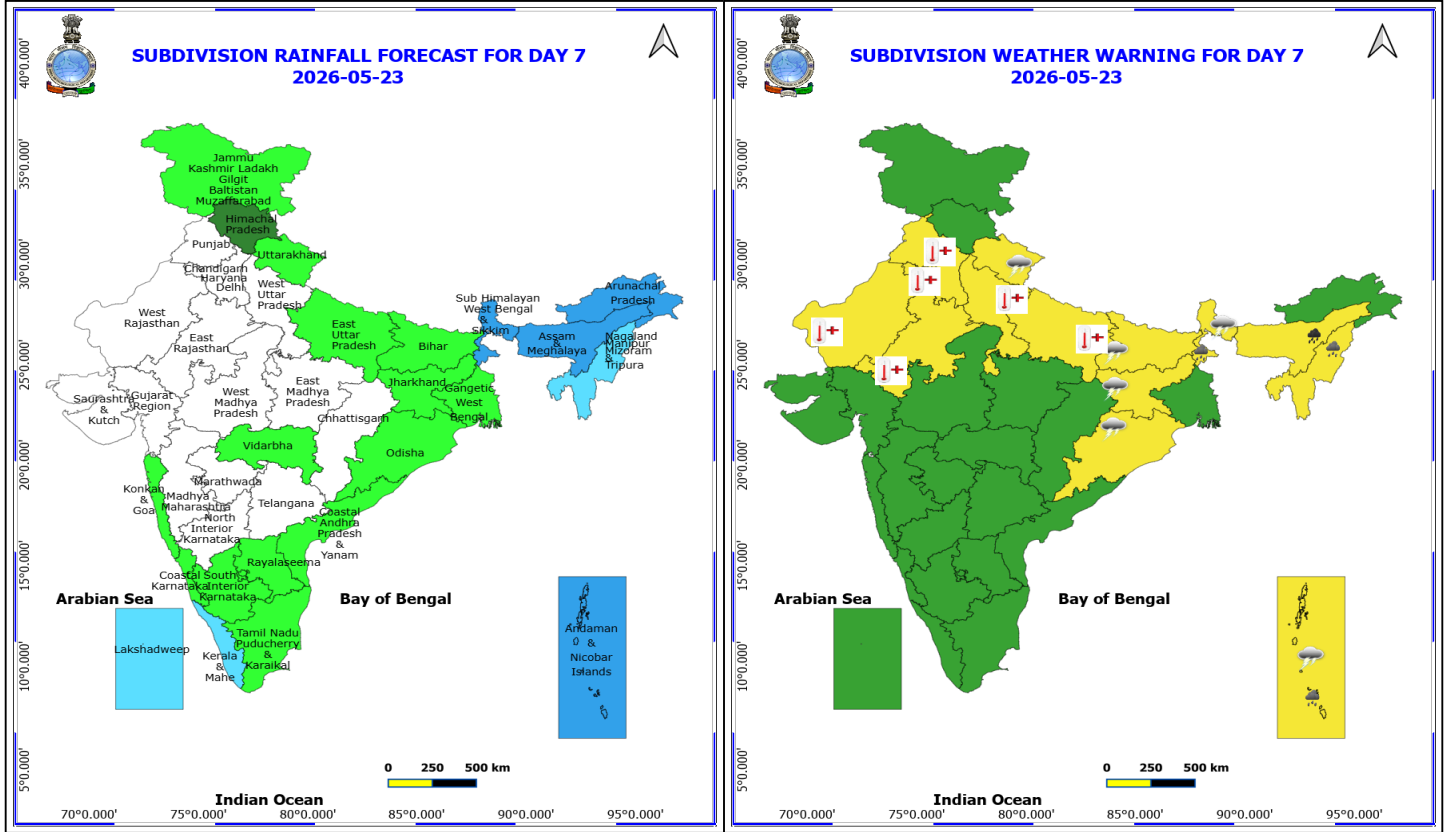
**22 May (Day 6)**

- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Assam & Meghalaya.
- ❖ **Heavy Rainfall** likely at isolated places over Andaman & Nicobar Islands, Nagaland, Manipur, Mizoram and Tripura and Sub Himalayan West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Andaman & Nicobar Islands, Bihar, Jharkhand, Odisha, Sub Himalayan West Bengal & Sikkim and Uttarakhand.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Himachal Pradesh.
- ❖ **Heat Wave conditions** likely at isolated places over Haryana, Chandigarh & Delhi, Punjab and Rajasthan.
- ❖ **Heat Wave to Severe Heat Wave conditions** likely at isolated places over Uttar Pradesh.

**No Fishermen Warning**

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**23 May (Day 7)**

- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Assam & Meghalaya.
- ❖ **Heavy Rainfall** likely at isolated places over Andaman & Nicobar Islands, Nagaland, Manipur, Mizoram and Tripura and Sub Himalayan West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Andaman & Nicobar Islands, Bihar, Jharkhand, Odisha, Sub Himalayan West Bengal & Sikkim and Uttarakhand.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Himachal Pradesh.
- ❖ **Heat Wave conditions** likely at isolated places over Haryana, Chandigarh & Delhi, Punjab and Rajasthan.
- ❖ **Heat Wave to Severe Heat Wave conditions** likely at isolated places over Uttar Pradesh.

**No Fishermen Warning**



## Table-1

### 7 Days Rainfall Forecast

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

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

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Fig. 1: Maximum Temperatures Dated 2026-05-16

Fig. 2: Departure of Maximum Temp. Dated 2026-05-16

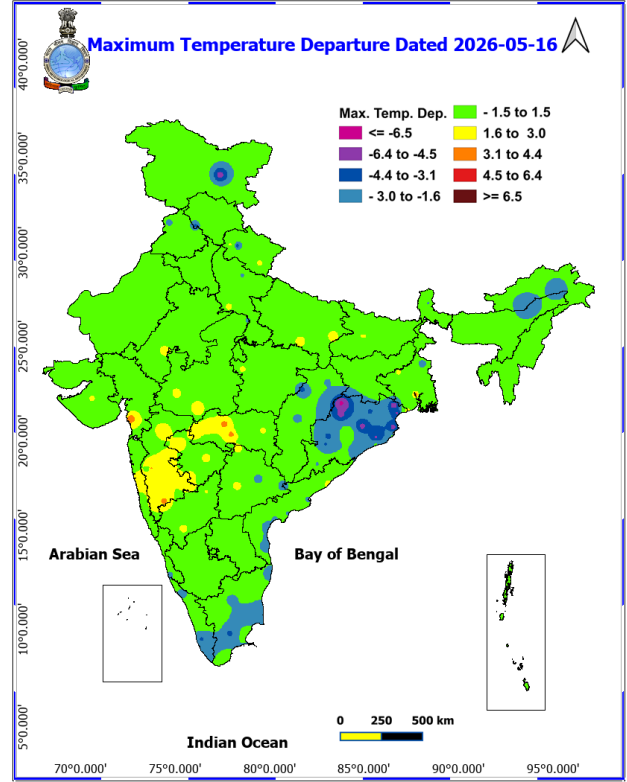
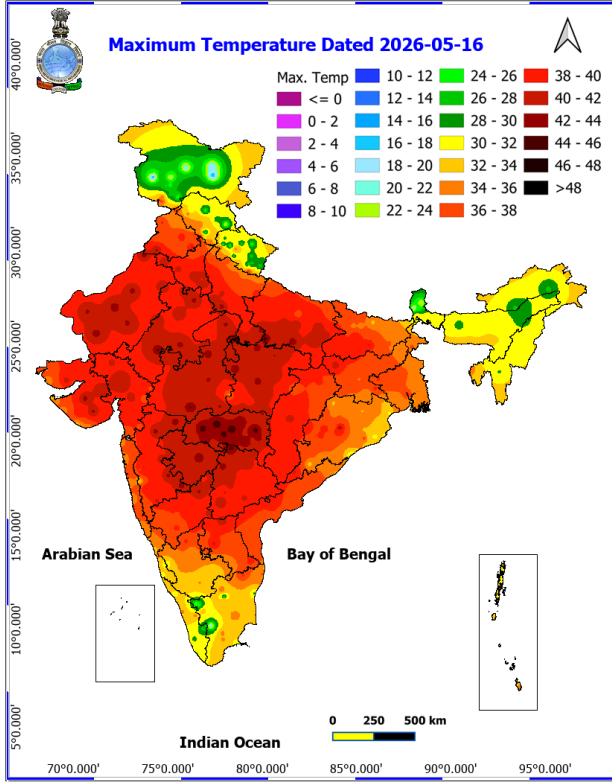
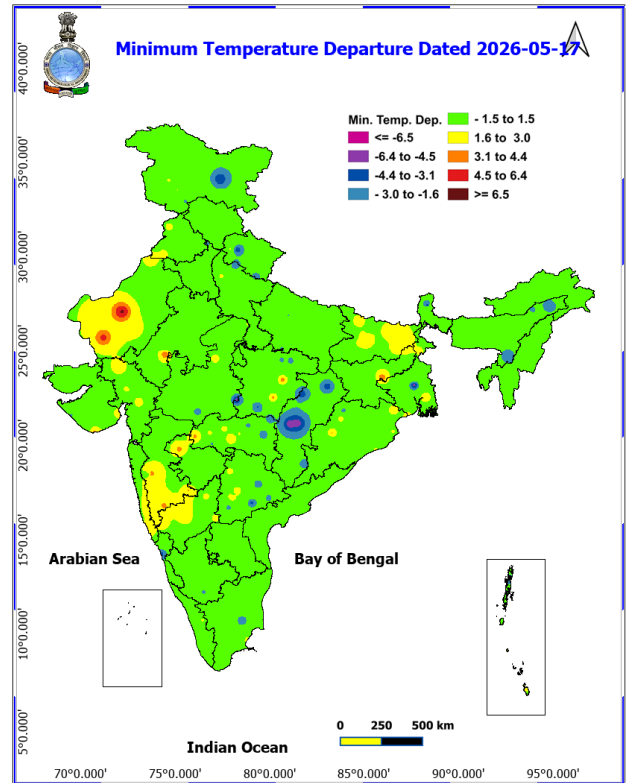
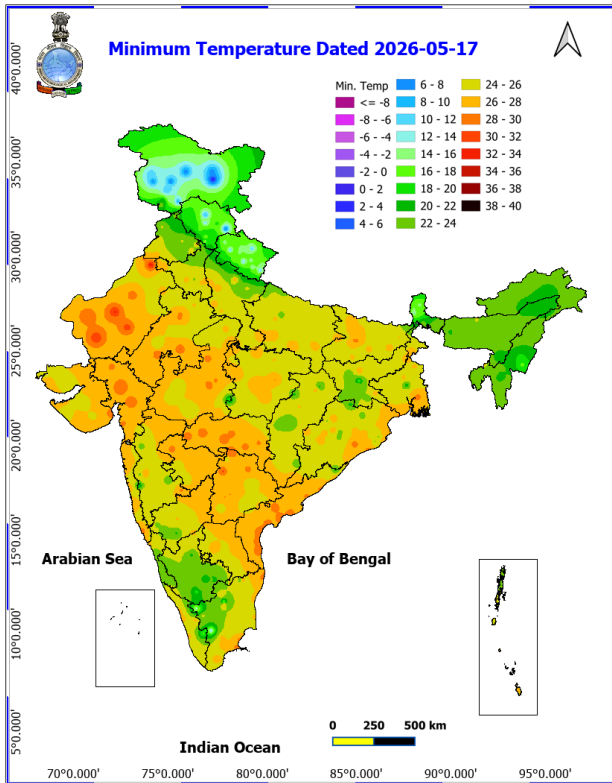


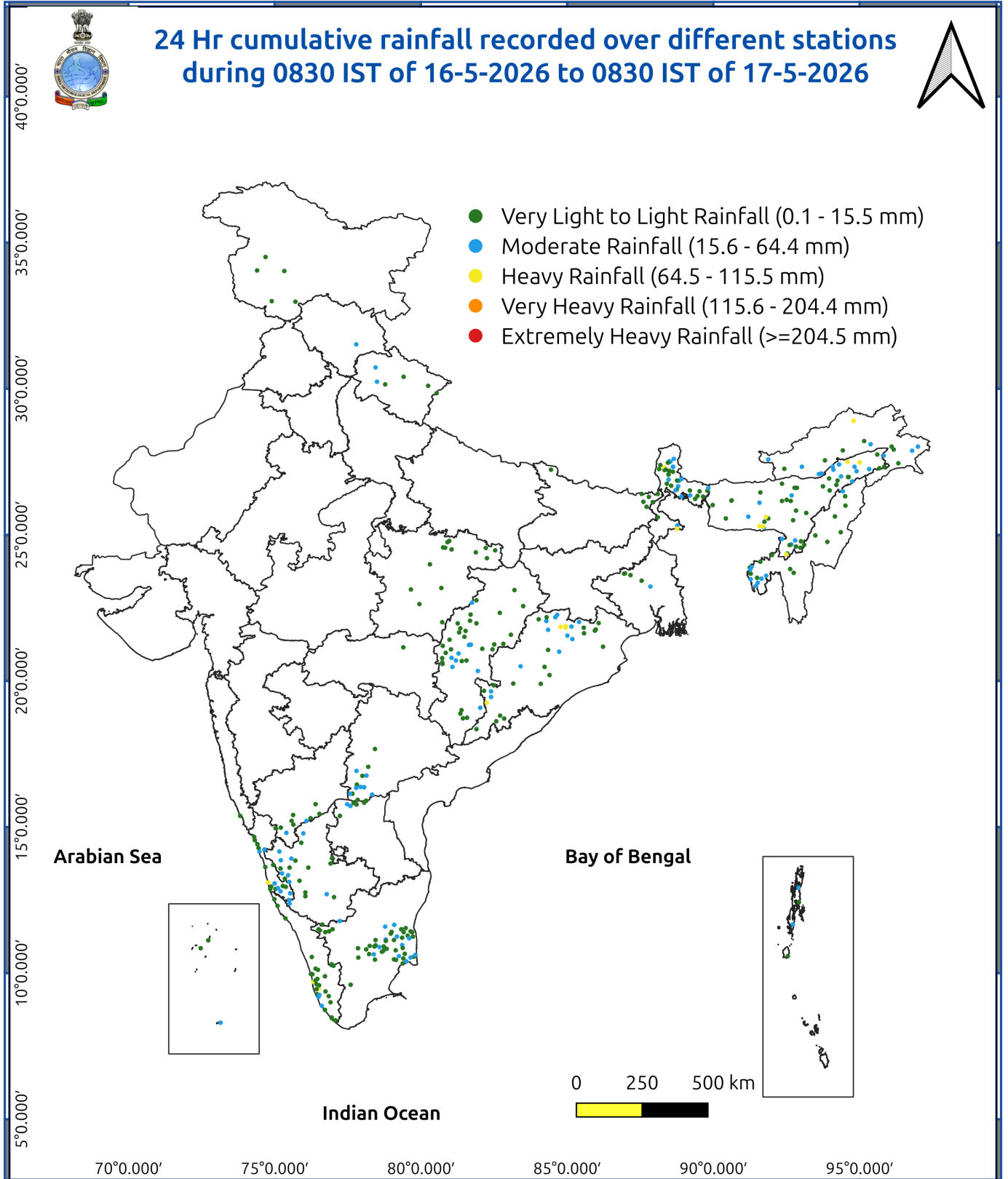
Fig. 3: Minimum Temperatures Dated 2026-05-17

Fig. 4: Departure of Minimum Temp. Dated 2026-05-17



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## Impact and Actions

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

- **Isolated heavy rainfall** likely over Arunachal Pradesh on 17<sup>th</sup> & 18<sup>th</sup>; Nagaland, Manipur, Mizoram & Tripura, Assam & Meghalaya during 17<sup>th</sup>-23<sup>rd</sup>; Tamil Nadu, Puducherry & Karaikal, Coastal Karnataka, Kerala & Mahe during 17<sup>th</sup> -19<sup>th</sup>; Lakshadweep on 17<sup>th</sup> & 18<sup>th</sup> ; Andaman & Nicobar Islands during the week; Sub-Himalayan West Bengal & Sikkim on 17<sup>th</sup> & during 21<sup>st</sup> -23<sup>rd</sup>; May with isolated **very heavy rainfall** over Arunachal Pradesh on 17<sup>th</sup>; Assam & Meghalaya on 17<sup>th</sup>, 22<sup>nd</sup> & 23<sup>rd</sup>; Kerala & Mahe on 17<sup>th</sup> ; Andaman & Nicobar Islands, Sub-Himalayan West Bengal & Sikkim on 17<sup>th</sup> May. **avy rainfall** over Andaman & Nicobar Islands on 17<sup>th</sup>; Sub-Himalayan West Bengal & Sikkim on 17<sup>th</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.

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

- **Hailstorm activity likely at isolated places over Interior Karnataka on 17<sup>th</sup> & 18<sup>th</sup> May.**

### 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.
- 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.

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- Unplug electrical/ electronic appliances.
- Immediately get out of water bodies.
- Keep away from all the objects that conduct electricity.

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

- **Heat wave conditions** in isolated pockets likely to prevail over Rajasthan during 17<sup>th</sup> -23<sup>rd</sup>; Punjab, Haryana Chandigarh & Delhi during 18<sup>th</sup> -23<sup>rd</sup>; Madhya Pradesh & Vidarbha during 17<sup>th</sup> -21<sup>st</sup>; Chhattisgarh on 20<sup>th</sup> & 21<sup>st</sup> May.
- **Heat wave conditions** in isolated/ some pockets likely to prevail over Uttar Pradesh during 17<sup>th</sup> -23<sup>rd</sup> with **severe heat wave conditions** in isolated/ some pockets over Uttar Pradesh during 19<sup>th</sup> -23<sup>rd</sup> May.
- **Heat wave conditions** in isolated pockets likely to prevail over Telangana during 17<sup>th</sup> -21<sup>st</sup> May.
- **Warm Night conditions** in isolated pockets likely to prevail over West Rajasthan on 17<sup>th</sup> & 18<sup>th</sup> May.

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

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

- In **Arunachal Pradesh**, ensure proper drainage in the fields of rice, maize, other standing crops, vegetables, and orchards. Keep the harvested cabbage, pea, mustard, late-maturing paddy & potatoes produce to safe places.
- In **Assam**, drain out excess rainwater to avoid water stagnation in the crop fields. Prioritise immediate harvesting of the mature crops and move the produce to a dry, covered warehouse during clear weather conditions. Provide mechanical support for tall crops (like banana or sugarcane) and young saplings by using bamboo sticks or poles.
- In **Meghalaya**, drain out excess rainwater from maize, ginger, vegetables and orchards. Provide staking/bamboo support to tomato plants to prevent lodging.
- In **Sub-Himalayan West Bengal**, maintain proper drainage channels in the ginger, tomato, maize, bitter gourd and Dalle Khorsani fields. Provide staking to tomato, Dalley Khorsani seedlings. Harvest mature crops at the earliest and store them safely in dry places. Protect nurseries and young seedlings against heavy rainfall with temporary covers.
- In **Andaman & Nicobar Islands**, ensure proper drainage in coconut gardens and avoid water stagnation around basins.
- In **Keralam**, provide adequate drainage for banana, coconut, and other vegetables. Provide support to banana plants?

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- In **Tamil Nadu**, maintain proper drainage to prevent water stagnation in black gram, green gram, sugarcane, and vegetable plantations.
- In **South Interior Karnataka**, ensure proper drainage in paddy fields, arecanut and mango orchards.
- **Lakshadweep**, postpone irrigation, intercultural operations and application of plant protection measures & fertilizers to the standing crops. Provide adequate drainage in standing-crop fields to prevent waterlogging.

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

- In **Punjab**, apply light and frequent irrigation to vegetable, moong fruit plants orchards and onion nurseries.
- In **Haryana**, maintain adequate irrigation in standing sugarcane, cotton and summer fodder crops. Complete paddy nursery preparation with assured irrigation facilities and adopt mulching/moisture conservation practices to reduce water stress in newly sown crops
- In **Rajasthan**, apply need-based irrigation to green gram and summer cucurbit crops such as bottle gourd, pumpkin, ridge gourd, cucumber, bitter melon, and summer ladyfinger, as well as to young fruit plants such as mango, amla, pomegranate, wood apple, and plum. Undertake soil mulching/mulching with straw/polythene to reduce water loss by evaporation.
- In **Madhya Pradesh**, apply light irrigation to maize, *moong*, *urd*, groundnut, and vegetable crops as required.
- In **Maharashtra**, in **Marathwada**, apply irrigation in summer groundnut, maize, vegetables and orchards as per requirement, undertake mulching in vegetables and orchards. In **Vidarbha**, irrigate sugarcane, summer groundnut, vegetables, and orchards as required; use organic or straw mulch in vegetables and orchards; cover banana bunches with leaves; and use shade nets in newly planted banana plantations.
- In **Uttar Pradesh**, provide frequent irrigation and mulching for standing crops such as maize, green gram, black gram, sugarcane, sunflower, vegetables, and fruit plants such as mango, banana, and papaya.
- In **Telangana**, irrigate vegetable crops in the morning or evening, depending on the soil type.

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

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

#### Livestock / Poultry / Fisheries

Keep the animals inside the shed during hailstorms/ heavy rainfall and provide them with 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 Tamil Nadu and Kerala), fishermen are advised not to venture into sea.

#### Legends & abbreviations:

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

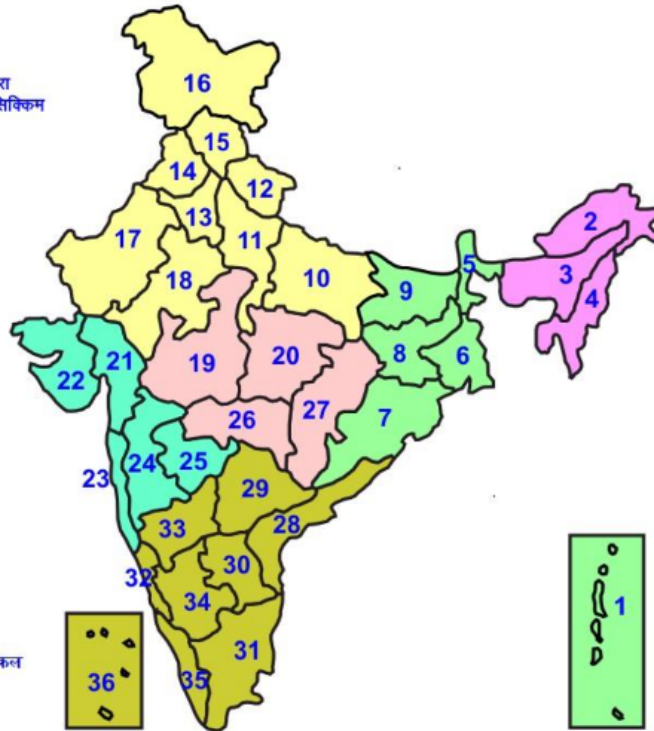
- **Northwest India:** Western Himalayan Region (Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh and Uttarakhand); Punjab, Haryana Chandigarh & Delhi; West Uttar Pradesh, East Uttar Pradesh, West Rajasthan and East Rajasthan.
- **Central India:** West Madhya Pradesh, East Madhya Pradesh, Vidarbha and Chhattisgarh.



- **East India:** Bihar, Jharkhand, Sub-Himalayan West Bengal & Sikkim; Gangetic West Bengal, Odisha and Andaman & Nicobar Islands.
- **Northeast India:** Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- **West India:** Gujarat Region, Saurashtra & Kutch, Coastal Maharashtra (Konkan) & Goa, Madhya Maharashtra and 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 चन्नम
- 29 तेलंगाना
- 30 रायलसीमा
- 31 तमिलनाडु, पुदुचेरी एवं कराईकल
- 32 तटिय कर्नाटक
- 33 आंतरिक उत्तरी कर्नाटक
- 34 आंतरिक दक्षिणी कर्नाटक
- 35 केरल एवं माहे
- 36 लक्षद्वीप



1. Andaman & Nicobar Islands
2. Arunachal Pradesh
3. Assam & Meghalaya
4. Nagaland, Manipur, Mizoram & Tripura
5. Sub-Himalayan West Bengal & Sikkim
6. Gangetic West Bengal
7. Orissa
8. Jharkhand
9. Bihar
10. East Uttar Pradesh
11. West Uttar Pradesh
12. Uttarakhand
13. Haryana, Chd & Delhi
14. Punjab
15. Himachal Pradesh
16. Jammu & Kashmir and Ladakh
17. West Rajasthan
18. East Rajasthan
19. West Madhya Pradesh
20. East Madhya Pradesh
21. Gujarat
22. Saurashtra
23. Konkan & Goa
24. Madhya Maharashtra
25. Marathawada
26. Vidharbha
27. Chhattisgarh
28. Coastal Andhra Pradesh & Yanam
29. Telangana
30. Rayalaseema
31. Tamilnadu, Puducherry & Karaikal
32. Coastal Karnataka
33. North Interior Karnataka
34. South Interior Karnataka
35. Kerala & Mahe
36. Lakshadweep

## SPATIAL DISTRIBUTION (% of Stations reporting)

% Stations	Category	% Stations	Category
76-100	Widespread (WS/ Most Places)	26-50	Scattered (SCT/ A Few Places)
51-75	Fairly Widespread (FWS/ Many Places)	1-25	Isolated (ISOL)

### Subdivision Colour

- NO WARNING
- WATCH (BE UPDATED)
- ALERT (BE PREPARED TO TAKE ACTION)
- WARNING (TAKE ACTION)

### Probabilistic Forecast

Terms	Probability of Occurrence (%)
Unlikely	< 25
Likely	25 - 50
Very Likely	50 - 75
Most Likely	> 75

- |                          |                 |                      |                    |
|--------------------------|-----------------|----------------------|--------------------|
| Heavy Rain               | Very Heavy Rain | Extremely Heavy Rain | Heavy Snow         |
| Thunderstorm & Lightning | Hailstorm       | Dust Storm           | Dust Raising Winds |
| Strong surface winds     | Heat Wave       | Hot Day              | Warm Night         |
| Cold Wave                | Cold Day        | Ground Frost         | Fog                |
| Hot & Humid              |                 |                      |                    |

\*Red color warning does not mean "Red Alert" Red color warning means "Take Action"

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## LEGENDS

### WARNING

<b>WARNING (TAKE ACTION)</b>
<b>ALERT ( BE PREPARED)</b>
<b>WATCH (BE UPDATED)</b>
<b>NO WARNING ( NO ACTION)</b>

### 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 Strom:** Wind speed  $> 220$  kmph ( $> 119$  knots)

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