

Friday, May 2, 2025  
Time of Issue: 1345 hours IST  
(MID-DAY)

## ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

### Significant Weather Features:

#### Weather Systems, Forecast and Warnings:

- ❖ A Western Disturbance as a cyclonic circulation over south Punjab and adjoining north Rajasthan and west Haryana in middle tropospheric levels.
- ❖ An upper air cyclonic circulation lies over southwest Rajasthan in lower tropospheric levels.
- ❖ An upper air cyclonic circulation lies over northeast Rajasthan & adjoining northwest Madhya Pradesh and a trough runs from this cyclonic circulation to Bangladesh in lower tropospheric levels.
- ❖ A trough from Punjab to north Kerala in lower tropospheric levels.
- ❖ An upper air cyclonic circulation lies over north Bangladesh in lower & middle tropospheric levels.
- ❖ A trough in upper tropospheric westerlies roughly along Long. 90°E to the north of Lat. 22°N in middle tropospheric levels.
- ❖ Under the influence of these systems, the following weather is likely:

#### East & Central India:

- ✓ **Scattered to fairly widespread** light/moderate rainfall accompanied with **thunderstorm, lightning & gusty winds speed reaching 40-50 kmph gusting to 60 kmph** likely over Bihar, Jharkhand, Odisha, West Bengal & Sikkim till 03<sup>rd</sup> May; Madhya Pradesh, Vidarbha, Chhattisgarh till 05<sup>th</sup> May.
- ✓ **Thundersquall (speed reaching 50-60 kmph gusting to 70 kmph)** very likely at isolated places over West Madhya Pradesh on 02<sup>nd</sup>, 05<sup>th</sup> & 06<sup>th</sup>; East Madhya Pradesh, Chhattisgarh during 02<sup>nd</sup>-04<sup>th</sup>; Vidarbha on 02<sup>nd</sup> & 03<sup>rd</sup>; Gangetic West Bengal, Jharkhand on 03<sup>rd</sup>; Bihar on 04<sup>th</sup> and Odisha on 03<sup>rd</sup> & 04<sup>th</sup> May.
- ✓ **Isolated hailstorm** activity likely over Vidarbha on 02<sup>nd</sup>; Sikkim, Odisha, Chhattisgarh on 03<sup>rd</sup>; East Madhya Pradesh during 02<sup>nd</sup>-04<sup>th</sup> May.
- ✓ **Isolated heavy rainfall** over Odisha on 03<sup>rd</sup> & 04<sup>th</sup> May.

#### Northwest India:

- ✓ **Scattered to fairly widespread** light to moderate rainfall with **thunderstorm, lightning & gusty winds speed reaching 40-60 kmph** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh and Uttarakhand during 02<sup>nd</sup>-06<sup>th</sup> May.
- ✓ **Isolated hailstorm** very likely over Himachal Pradesh on 02<sup>nd</sup> & 03<sup>rd</sup> May.
- ✓ **Thundersquall** wind speed reaching 50-60 kmph likely over Himachal Pradesh on 02<sup>nd</sup>; Uttarakhand on 02<sup>nd</sup> & 04<sup>th</sup> and Jammu & Kashmir on 04<sup>th</sup> May.
- ✓ Isolated to scattered rainfall with **thunderstorm, lightning & strong winds speed reaching 40-60 kmph** likely over Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, Rajasthan during 02<sup>nd</sup>-06<sup>th</sup> May.
- ✓ **Thundersquall (speed reaching 50-60 kmph gusting to 70 kmph)** very likely at isolated places over Rajasthan on 02<sup>nd</sup> & 04<sup>th</sup>; Punjab, Haryana Chandigarh & Delhi on 04<sup>th</sup> & 05<sup>th</sup>; West Uttar Pradesh on 02<sup>nd</sup>, 04<sup>th</sup> & 05<sup>th</sup>; East Uttar Pradesh on 05<sup>th</sup> May.
- ✓ **Duststorm** very likely at isolated places over Rajasthan during 02<sup>nd</sup>-05<sup>th</sup> May.

#### South peninsular India:

- ✓ **Isolated to Scattered** light/moderate rainfall accompanied with **thunderstorm, lightning & strong winds speed reaching 30-40 kmph gusting to 50 kmph** likely over Karnataka, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Kerala & Mahe, Tamil Nadu, Puducherry & Karaikal during next 7 days.
- ✓ **Isolated hailstorm** very likely over North Interior Karnataka on 05<sup>th</sup> & 06<sup>th</sup> May.
- ✓ **Thundersquall** wind speed reaching 50-60 kmph likely over South Interior Karnataka on 02<sup>nd</sup> & 03<sup>rd</sup> and North Interior Karnataka on 05<sup>th</sup> & 06<sup>th</sup> May.
- ✓ **Isolated heavy rainfall** over South Interior Karnataka on 02<sup>nd</sup>, 03<sup>rd</sup> & 06<sup>th</sup>; Kerala & Mahe on 02<sup>nd</sup> & 06<sup>th</sup>; Tamil Nadu on 06<sup>th</sup> and Coastal Andhra Pradesh on 03<sup>rd</sup> May.

#### Northeast India:

- ✓ **Fairly widespread to widespread** light/moderate rainfall accompanied with **thunderstorm, lightning & gusty winds speed reaching 30-40 kmph gusting to 50 kmph** likely over Northeast India during next 7 days.
- ✓ **Isolated heavy rainfall** over Assam & Meghalaya on 02<sup>nd</sup> and during 05<sup>th</sup>-07<sup>th</sup>; Arunachal Pradesh on 05<sup>th</sup> & 06<sup>th</sup> May.

#### West India:

- ✓ **Isolated to Scattered** light/moderate rainfall accompanied with **thunderstorm, lightning & strong winds speed reaching 30-40 kmph gusting to 50 kmph** likely over Gujarat, Konkan & Goa, Madhya Maharashtra and Marathawada during 03<sup>rd</sup>-08<sup>th</sup> May.

#### Temperature Forecast:

- ❖ Fall by 2-4°C in maximum temperatures likely over Northwest India during next 24 hours, no significant change for subsequent 3 days and rise by 2-3°C thereafter.
- ❖ No significant change in maximum temperatures likely over Central & West India during next 24 hours days and fall by 2-3°C for subsequent 5 days.
- ❖ No significant change in maximum temperatures likely over rest parts of the country.

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

- ❖ **Hot & humid weather** is likely to prevail over Tamilnadu Puducherry & Karaikal, Kerala & Mahe, Coastal Andhra Pradesh & Yanam, Rayalaseema on 02<sup>nd</sup> May.

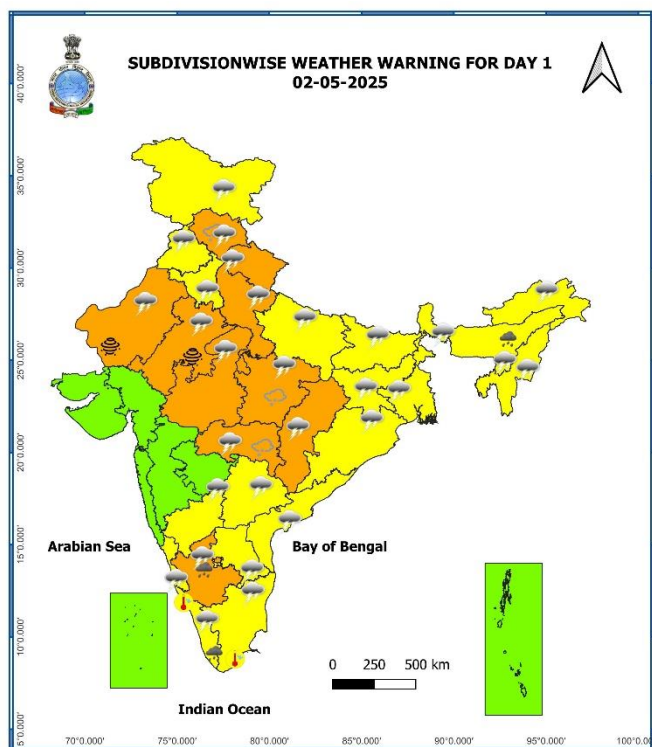
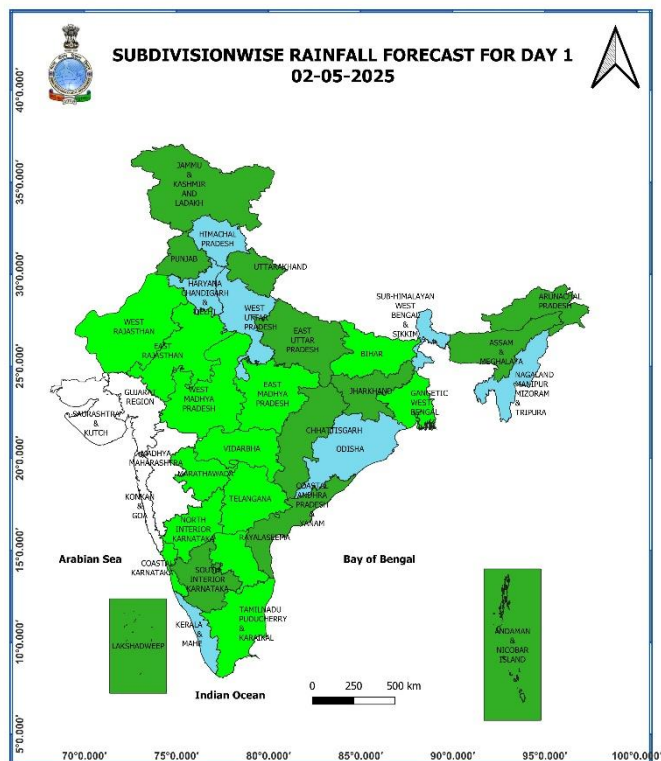
## Main Weather Observations:

- ❖ **Rainfall observed** (from 0830 hours IST of yesterday to 0830 hours IST of today): at most places over Gangetic West Bengal, Andaman & Nicobar Islands, Punjab, Haryana Chandigarh & Delhi; at many places over Arunachal Pradesh, Assam & Meghalaya, Jharkhand, Odisha, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh, Uttarakhand, Coastal Andhra Pradesh & Yanam; at a few places over Sub-Himalayan West Bengal & Sikkim, Vidarbha, Chhattisgarh; at isolated places over Bihar, Uttar Pradesh, Rajasthan, Madhya Pradesh, Coastal Karnataka, South Interior Karnataka, Telangana, Rayalaseema, Tamilnadu Puducherry & Karaikal and Kerala & Mahe.
- ❖ **Significant rainfall recorded** (from 0830 hours IST of yesterday to 0830 hours IST of today): in cm): **Assam & Meghalaya:** Nongstein (dist West Khasi Hills) 8; **Gangetic West Bengal:** Jhargram PTO (dist Jhargram) 7; **Odisha:** Gunupur (dist Rayagada) 11; Dabugan (dist Nawarangpur) 7; Banpur (dist Khurda), Gopalpur (dist Ganjam), Kotagarh (dist Kandhamal) 5 Each; **Jharkhand:** Zrs Dumka (dist Dumka) 9; Sikatia (dist Deoghar), Putki Dvc (dist Dhanbad) 6 Each; Narayanpur (dist Jamtara) 5; **Uttarakhand:** Gairsain (dist Chamoli) 5; **Haryana-Chandigarh-Delhi:** Lodi Road (dist New Delhi), Dhansa (dist South West Delhi), Safdarjung (dist New Delhi) 8 Each; Bahadurgarh (dist Jhajjar), Kalanaur (dist Rohtak), Pitampura AWS (dist North West Delhi), Jafarpur AWS (dist South West Delhi), Delhi University Obs (dist North Delhi), Pragati Maidan (dist New Delhi), Beri (dist Jhajjar), Jhajjar AWS (dist Jhajjar) 7 Each; Punhana (dist Nuh), Jhahhar (dist Jhajjar), Lodi Road AWS (dist New Delhi), Delhi Ridge (dist North Delhi) 6 Each; Pusa AWS (dist Central Delhi), Gharaunda (dist Karnal) 5 Each; **Punjab:** Muktsar (dist Muktsar) 5; **East Rajasthan:** Kaman (dist Bharatpur) 8; **Coastal Andhra Pradesh & Yanam:** Parvathipuram (dist Parvathipuram Manyam) 6; Kurupam (dist Parvathipuram Manyam), Veeraghattam (dist Parvathipuram Manyam) 5 Each; **Telangana:** Kataram (dist J. Bhupalpally) 6; Dornakal (dist Mahabubabad) 5.
- ❖ **Hailstorm** occurred at isolated places over Bihar, Himachal Pradesh, Punjab, Haryana, Chandigarh, East Uttar Pradesh, East Madhya Pradesh, Vidarbha, Chhattisgarh, Telangana and South Interior Karnataka.
- ❖ **Heavy to very heavy rainfall with extremely heavy falls** recorded at isolated places over Meghalaya; **Heavy rainfall** recorded at isolated places over Punjab, Haryana, Delhi, East Rajasthan, Odisha, Jharkhand, Telangana and South Interior Karnataka.
- ❖ **Duststorm** occurred at isolated places over Rajasthan.
- ❖ **Heat wave conditions** prevailed at isolated pockets of southwest Rajasthan.
- ❖ **Minimum Temperature Departures (as on 02-04-2025):** Minimum temperatures are **above normal (1.6°C to 3.0°C)** at a few places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Madhya Maharashtra, Marathwada; at isolated places over Uttarakhand, Himachal Pradesh, West Madhya Pradesh. These are **markedly above normal (5.1 or above)** at isolated places over Haryana, East Rajasthan, Bihar, Gangetic West Bengal, Jharkhand, Chhattisgarh; **appreciably below normal (-3.1°C to -5.0°C)** at many places over West Rajasthan, Punjab, Telangana, Vidarbha; at some places over Assam & Meghalaya, West Uttar Pradesh, East Madhya Pradesh; **below normal (-1.6°C to -3.0°C)** at isolated places over Telangana, Chhattisgarh, Jharkhand and normal over rest parts of the country (**Fig. 4**). Yesterday, the **lowest minimum temperature** of **17.2°C** was reported at **Palam (New Delhi)** over the plains of the country.
- ❖ **Maximum Temperature Departures (as on 01-05-2025):** Maximum Temperatures were **markedly above normal (5.1°C or more)** at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, West Rajasthan; **above normal (1.6°C to 3.0°C)** at isolated places over East Rajasthan, West Madhya Pradesh, Konkan & Goa, Marathwada, Madhya Maharashtra. These were **markedly below normal (-5.1 or below)** at isolated places over Bihar, Jharkhand, Assam & Meghalaya, East Uttar Pradesh, Uttarakhand; **below normal (-1.6°C to -3.0°C)** at isolated places over Haryana-Chandigarh-Delhi, East Madhya Pradesh, Chhattisgarh, Vidarbha, Nagaland, Manipur, Mizoram & Tripura, Arunachal Pradesh and normal over rest parts of the country (**Fig. 2**). Yesterday, the highest **maximum temperature** of **46.7°C** was reported at **Jaisalmer (West Rajasthan)** over the country.

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

- ❖ A **Western Disturbance** as a cyclonic circulation over south Punjab and adjoining north Rajasthan and west Haryana between 5.8 & 7.6 km above mean sea level persists.
- ❖ The upper air **cyclonic circulation** over northeast Rajasthan and adjoining northwest Madhya Pradesh between 1.5 & 3.1 km above mean sea level persists.
- ❖ The upper air **cyclonic circulation** over southwest Rajasthan & neighbourhood at 0.9 km above mean sea level persists.
- ❖ The north-south **trough** from west Madhya Pradesh to north Kerala now runs from Punjab to north Kerala across Haryana, cyclonic circulation over northeast Rajasthan and adjoining northwest Madhya Pradesh, Vidarbha, Marathwada, Interior Karnataka at 1.5 km above mean sea level.
- ❖ An east-west **trough** runs from above cyclonic circulation over northeast Rajasthan and adjoining northwest Madhya Pradesh to Bangladesh across north Madhya Pradesh, north Chhattisgarh, Jharkhand, Gangetic West Bengal and extends up to 1.5km above mean sea level.
- ❖ The upper air **cyclonic circulation** over north Bangladesh & neighbourhood persists and now lies between 3.1 & 5.8 km above mean sea level.
- ❖ A **trough** in upper tropospheric westerlies with its axis at 7.6 km above mean sea level roughly along Long. 90°E to the north of Lat. 22°N.

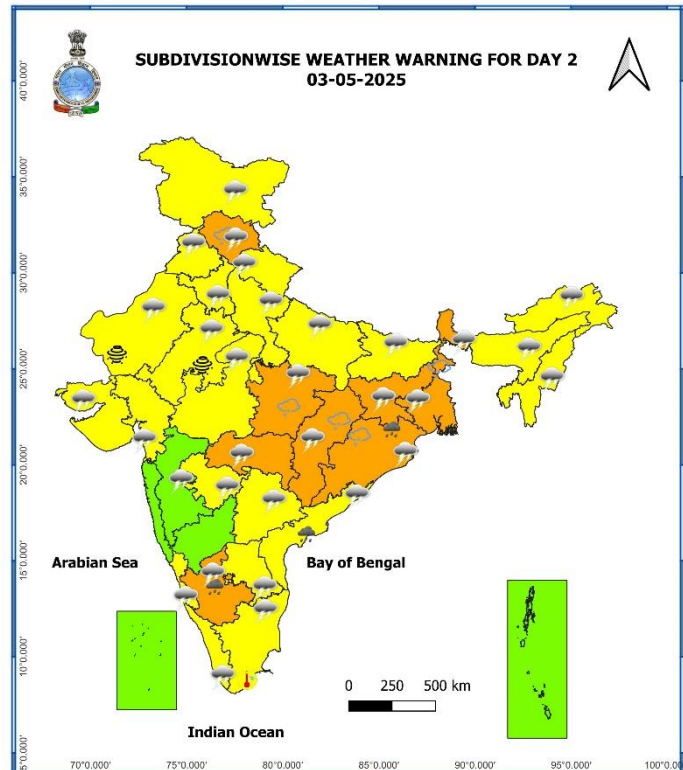
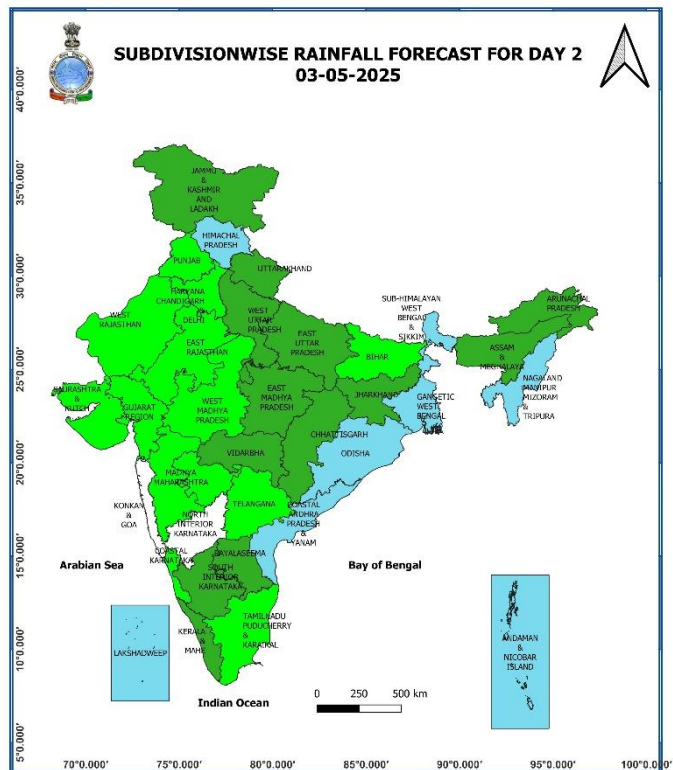
## Weather Forecast & Warnings for next 7 days (Upto 0830 hours IST of 09<sup>th</sup> May, 2025)



### 02<sup>nd</sup> May (Day 1)

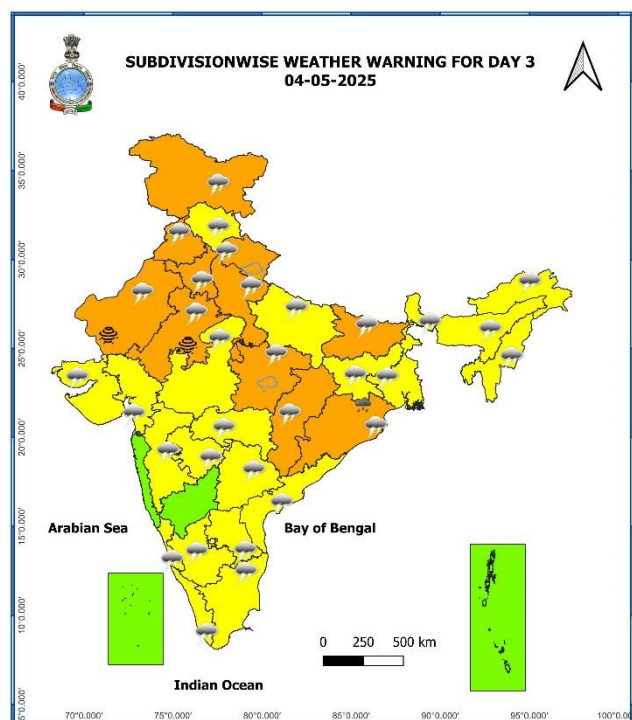
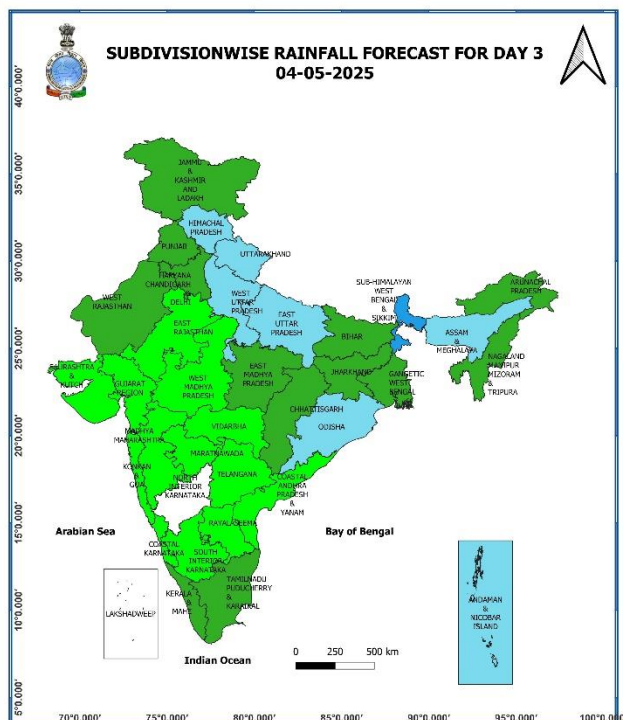
- ❖ **Thunderstorms accompanied with Heavy Rainfall** very likely at isolated places over Assam & Meghalaya, South Interior Karnataka and Kerala.
- ❖ **Thundersquall accompanied with wind speed reaching 50-60 kmph** very likely at isolated places over West Uttar Pradesh, South Interior Karnataka, Uttarakhand,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





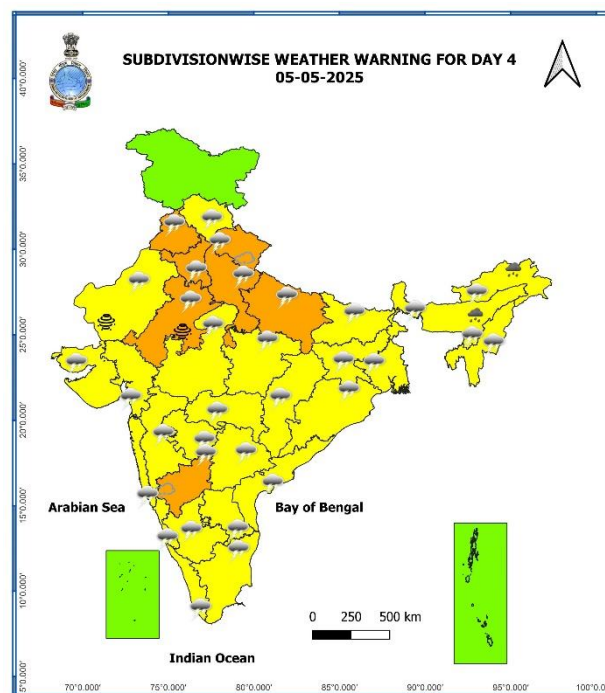
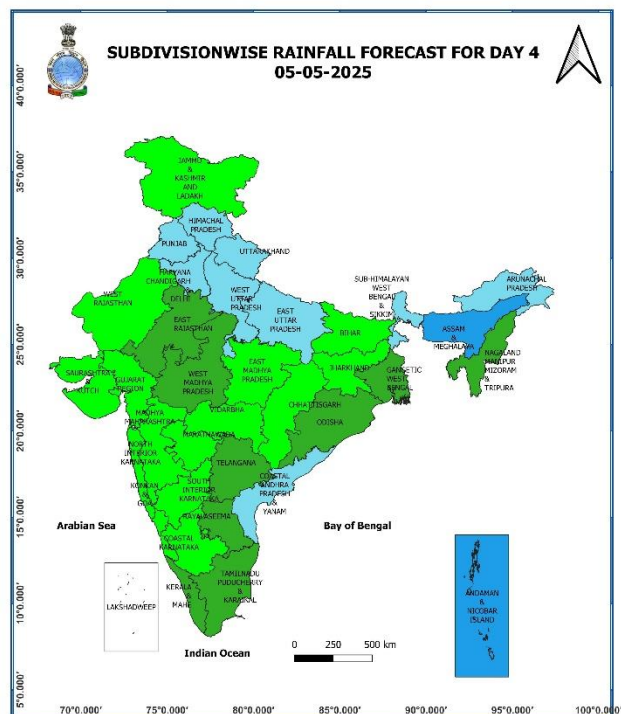
### 03<sup>rd</sup> May (Day 2)

- ❖ **Thunderstorms accompanied with Heavy Rainfall** very likely at isolated places over Odisha and Coastal Andhra Pradesh, South Interior Karnataka.
- ❖ **Thundersquall accompanied with wind speed reaching 50-60 kmph** likely at isolated places over Gangetic West Bengal, Odisha, Jharkhand, East Madhya Pradesh, Vidarbha and Chhattisgarh, South Interior Karnataka.
- ❖ **Thunderstorms accompanied with gusty winds (speed reaching 40-50kmph gusting to 60 kmph)** likely at isolated places West Uttar Pradesh, Uttarakhand, Punjab, Himachal Pradesh, Jammu and Kashmir and Ladakh, West Rajasthan, East Rajasthan, West Madhya Pradesh, Coastal Andhra Pradesh and Rayalaseema, Haryana, Chandigarh & Delhi and Kerala.
- ❖ **Thunderstorms accompanied with gusty winds (speed reaching 30-40kmph gusting to 50 kmph)** likely at isolated places over Assam & Meghalaya, Nagaland, Manipur, Meghalaya & Tripura, South Himalayan West Bengal & Sikkim, Bihar, East Uttar Pradesh, Madhya Maharashtra and Telangana, Tamil Nadu, Puducherry & Karaikal.
- ❖ **Thunderstorm & Lightning** likely at isolated places over Arunachal Pradesh, Gujarat Region, Saurashtra & Kutch, Marathwada and Costal Karnataka.
- ❖ **Dust Storm/Thunderstorms accompanied with gusty winds (speed reaching 30-40kmph gusting to 50 kmph)** likely at isolated places over Rajasthan.
- ❖ **Thunderstorm accompanied with Hailstorm** likely at isolated places over Sub-Himalayan West Bengal & Sikkim, Odisha, Himachal Pradesh, East Madhya Pradesh and Chhattisgarh.
- ❖ **Hot and Humid** very likely at isolated places over Tamil Nadu, Puducherry & Karaikal.
- ❖ **Squally wind with speed 45 kmph to 50 kmph gusting to 55 kmph** very likely to prevail over some parts of Northeast Arabian Sea and off North Gujarat Coast, Over Gulf Of Mannar And Adjoining Comorin Area.



## 04<sup>th</sup> May (Day 3)

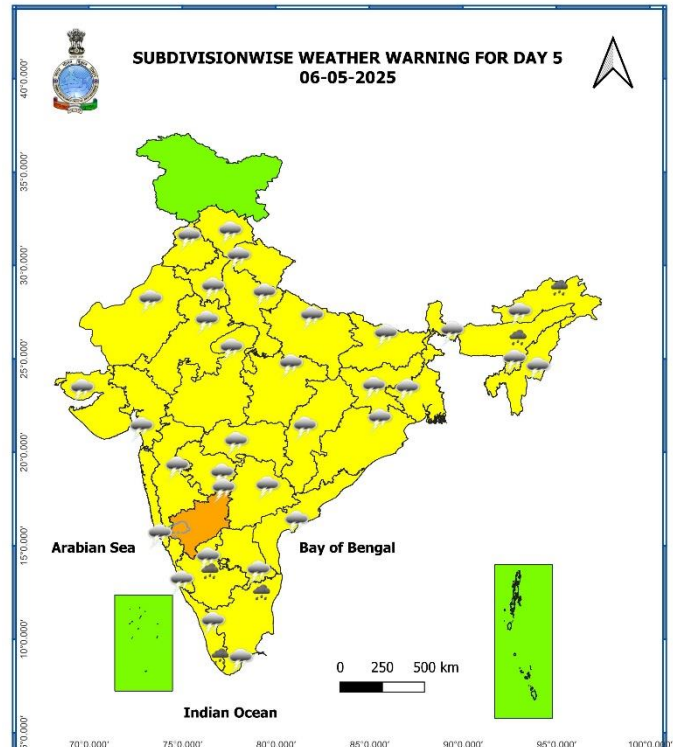
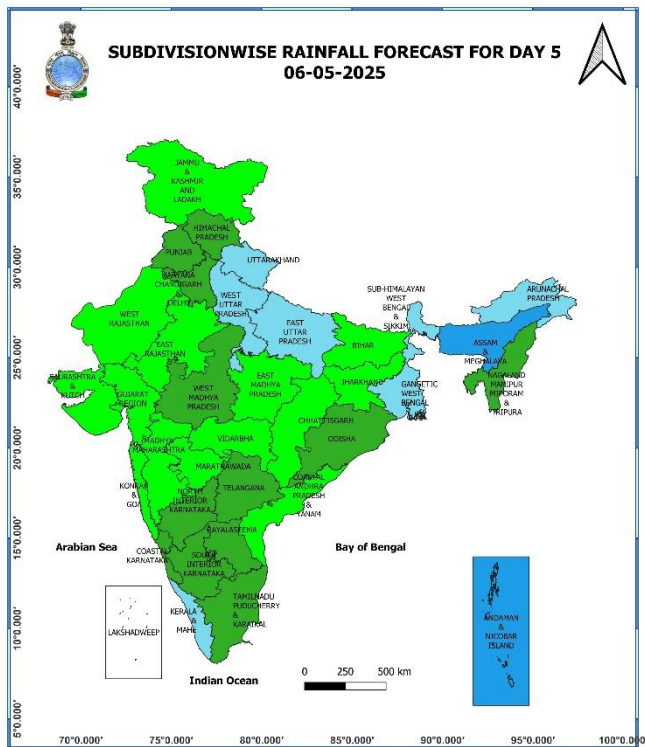
- ❖ **Thunderstorms accompanied with Heavy Rainfall** very likely at isolated places over Odisha.
- ❖ **Thundersquall accompanied with wind speed reaching 50-60 kmph** likely at isolated places over Odisha, Bihar, West Uttar Pradesh, Uttarakhand, Punjab, Jammu and Kashmir and Ladakh, West Rajasthan, East Rajasthan, East Madhya Pradesh and Chhattisgarh, Haryana, Chandigarh & Delhi.
- ❖ **Thunderstorms accompanied with gusty winds (speed reaching 40-50kmph gusting to 60 kmph)** likely at isolated places over South Himalayan West Bengal & Sikkim, Jharkhand, Himachal Pradesh, West Madhya Pradesh, Vidarbha, Coastal Andhra Pradesh and South Interior Karnataka, Kerala & Mahe.
- ❖ **Thunderstorms accompanied with gusty winds (speed reaching 30-40kmph gusting to 50 kmph)** likely at isolated places over Assam & Meghalaya, Nagaland, Manipur, Meghalaya & Tripura, Gangetic West Bengal, East Uttar Pradesh, Madhya Maharashtra, Telangana and Rayalaseema.
- ❖ **Thunderstorm & Lightning** likely at isolated places over Arunachal Pradesh, Gujarat Region, Saurashtra & Kutch, Marathwada and Costal Karnataka, Tamil Nadu, Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with Hailstorm** likely at isolated places over very likely at isolated places over Uttarakhand and East Madhya Pradesh.
- ❖ **Dust Storm/Thunderstorms accompanied with gusty winds (speed reaching 30-40kmph gusting to 50 kmph)** likely at isolated places over West Rajasthan and East Rajasthan.
- ❖ **Squally Wind with Speed 45 Kmph To 50 Kmph Gusting To 55 Kmph** Likely to Prevail Over Central parts of North Arabian Sea, Off North Gujarat Coast, Over Gulf of Mannar and adjoining Comorin Area.



## 05<sup>th</sup> May (Day 4)

- ❖ **Thunderstorms accompanied with Heavy Rainfall** very likely at isolated places over Arunachal Pradesh and Assam & Meghalaya.
- ❖ **Thunderstorms with gusty winds (speed reaching 40-50kmph gusting to 60 kmph)** likely at isolated places over East Uttar Pradesh, West Uttar Pradesh, Uttarakhand, Punjab, East Rajasthan, West Madhya Pradesh and North Interior Karnataka, Haryana, Chandigarh & Delhi.
- ❖ **Thunderstorms accompanied with gusty winds (speed reaching 40-50kmph gusting to 60 kmph)** likely at isolated places over Gangetic West Bengal, Odisha, Himachal Pradesh, West Rajasthan, East Madhya Pradesh, Vidarbha, Chhattisgarh, Coastal Andhra Pradesh, Coastal Karnataka and South Interior Karnataka.
- ❖ **Thunderstorms accompanied with gusty winds (speed reaching 30-40kmph gusting to 50 kmph)** likely at isolated places over Assam & Meghalaya, South Himalayan West Bengal & Sikkim, Jharkhand, Bihar, Konkan & Goa, Madhya Maharashtra, Telangana, Rayalaseema and Kerala.
- ❖ **Thunderstorm & Lightning** likely at isolated places over Arunachal Pradesh, Nagaland, Manipur, Meghalaya & Tripura, Gujarat Region, Saurashtra & Kutch, Marathwada and Tamilnadu & Puducherry.
- ❖ **Dust Storm/Thunderstorms accompanied with gusty winds (speed reaching 30-40kmph gusting to 50 kmph)** likely at isolated places over West Rajasthan and East Rajasthan.
- ❖ **Thunderstorm accompanied with Hailstorm** likely at isolated places over Uttarakhand and North Interior Karnataka.
- ❖ **Squally wind with speed 45 kmph to 50 kmph gusting to 55 kmph** likely to prevail over Central parts of North Arabian Sea.

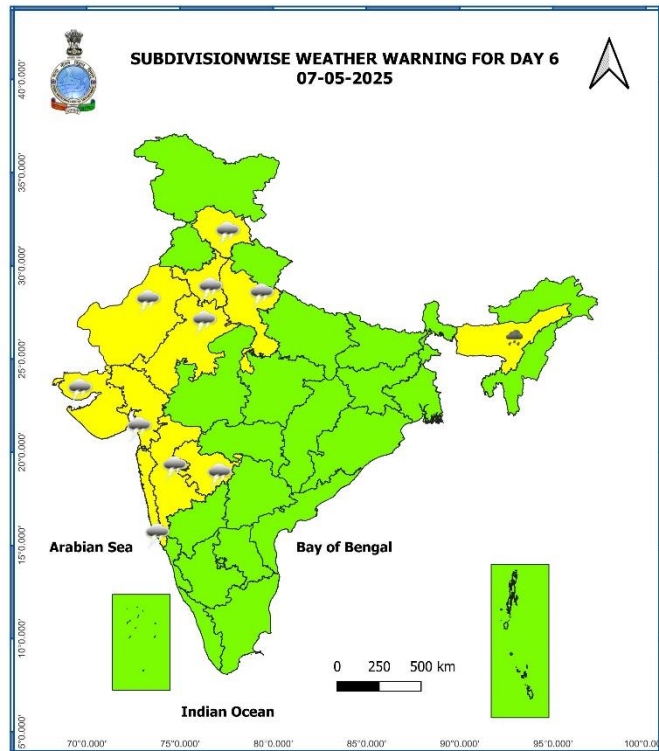
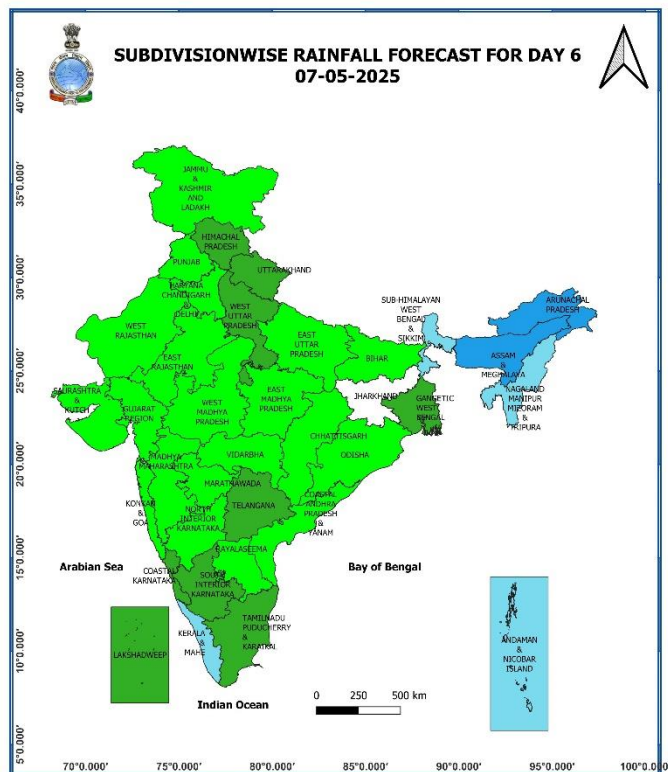




## 06<sup>th</sup> May (Day 5)

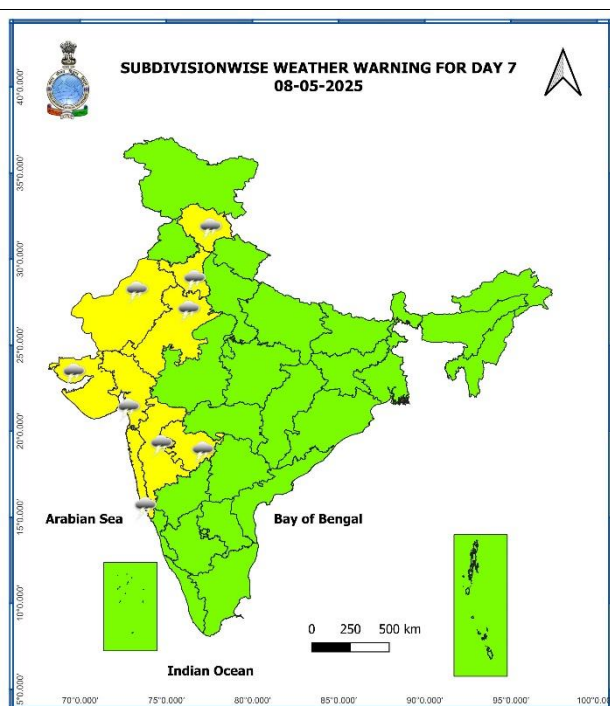
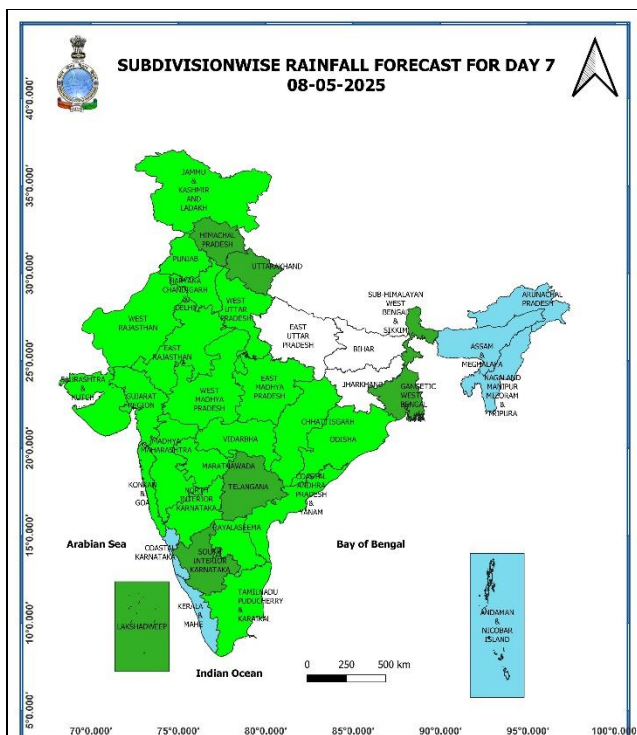
- ❖ **Thunderstorms accompanied with Heavy Rainfall** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Tamilnadu & Puducherry, South Interior Karnataka and Kerala.
- ❖ **Thunderstorms with gusty winds(50-60kmph)** likely at isolated places over West Madhya Pradesh and North Interior Karnataka
- ❖ **Thunderstorms accompanied with gusty winds (speed reaching 40-50kmph gusting to 60 kmph)** likely at isolated places over Odisha, Himachal Pradesh, West Rajasthan, East Rajasthan, East Madhya Pradesh, Gujarat Region, Saurashtra & Kutch, Madhya Maharashtra, Marathwada, Vidarbha, Chhattisgarh, Coastal Andhra Pradesh, Coastal Karnataka and South Interior Karnataka.
- ❖ **Thunderstorms accompanied with gusty winds (speed reaching 30-40kmph gusting to 50 kmph)** likely at isolated places over Assam & Meghalaya, South Himalayan West Bengal & Sikkim, Gangetic West Bengal, Jharkhand, Bihar, East Uttar Pradesh, West Uttar Pradesh, Uttarakhand, Punjab, Konkan & Goa, Telangana, Rayalaseema and Kerala and likely at isolated places over Haryana, Chandigarh & Delhi.
- ❖ **Thunderstorm accompanied with Hailstorm** likely at isolated places over North Interior Karnataka.
- ❖ **Thunderstorm & Lightning** likely at isolated places over Arunachal Pradesh, Nagaland, Manipur, Meghalaya & Tripura and Tamilnadu & Puducherry.
- ❖ **Squally wind with speed 45 kmph to 50 kmph gusting to 55 kmph** likely to prevail over many parts of Northwest Arabian Sea.





## 07<sup>th</sup> May (Day 6)

- ❖ **Thunderstorms accompanied with Heavy Rainfall** very likely at isolated places over Assam & Meghalaya.
- ❖ **Thunderstorms accompanied with gusty winds (speed reaching 40-50kmph gusting to 60 kmph)** likely at isolated places over West Rajasthan, East Rajasthan, Gujarat Region and Saurashtra & Kutch.
- ❖ **Thunderstorms accompanied with gusty winds (speed reaching 30-40kmph gusting to 50 kmph)** likely at isolated places over Haryana, Chandigarh & Delhi and likely at isolated places over Himachal Pradesh and Konkan & Goa.
- ❖ **Thunderstorm & Lightning** likely at isolated places over West Uttar Pradesh, Madhya Maharashtra and Marathwada.



### 08<sup>th</sup> May (Day 7)

- ❖ **Thunderstorms accompanied with gusty winds (speed reaching 40-50kmph gusting to 60 kmph)** likely at isolated places over West Rajasthan and East Rajasthan.
- ❖ **Thunderstorms accompanied with gusty winds (speed reaching 30-40kmph gusting to 50 kmph)** likely at isolated places over Haryana, Chandigarh & Delhi, Himachal Pradesh and Konkan & Goa.
- ❖ **Thunderstorm & Lightning** likely at isolated places over Gujarat Region, Saurashtra & Kutch, Madhya Maharashtra and Marathwada

### Weather Outlook for subsequent 3 days (During 09<sup>th</sup> May- 11<sup>th</sup> May, 2025)

- ❖ **Scattered to fairly widespread** rainfall activity likely over east & northeast India, Kerala.
- ❖ **Isolated to scattered rainfall** likely over Northwest India, adjoining central India, Maharashtra, south peninsular India and Andaman & Nicobar Islands.

Action may be taken based on **ORANGE AND RED COLOUR** warnings.

- Vulnerable regions likely urban and hilly areas action may be initiated for heavy rainfall warning.
- As the lead period increases forecast accuracy decreases.

Fig. 1: Maximum Temperatures

Fig. 2: Departure of Maximum Temperatures

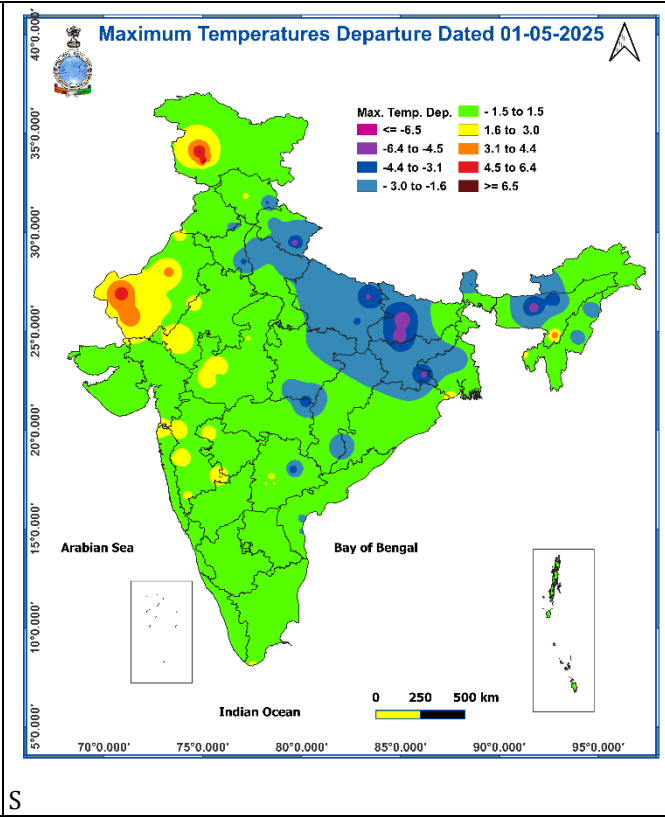
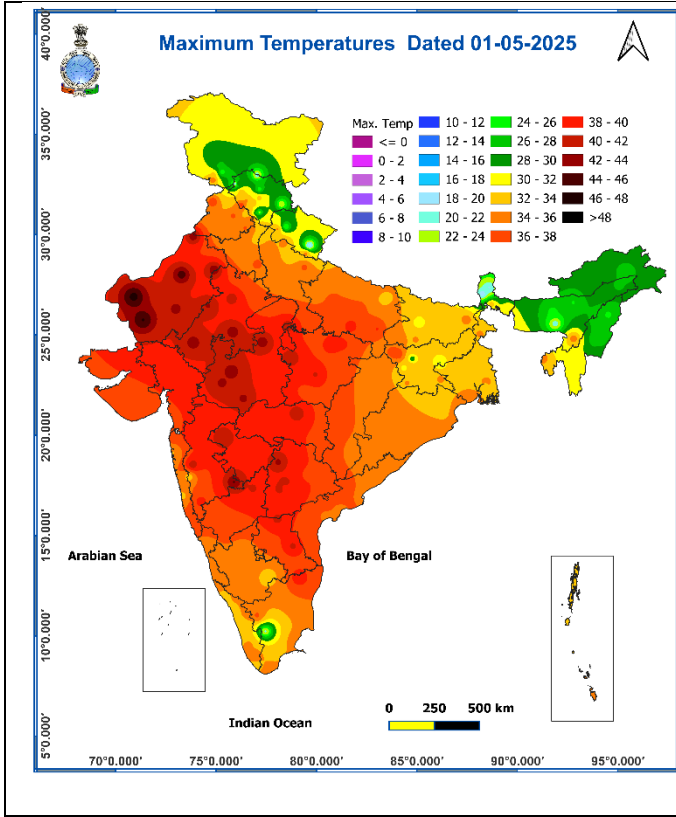


Fig. 3: Minimum Temperatures

Fig. 4: Departure of Minimum Temperatures

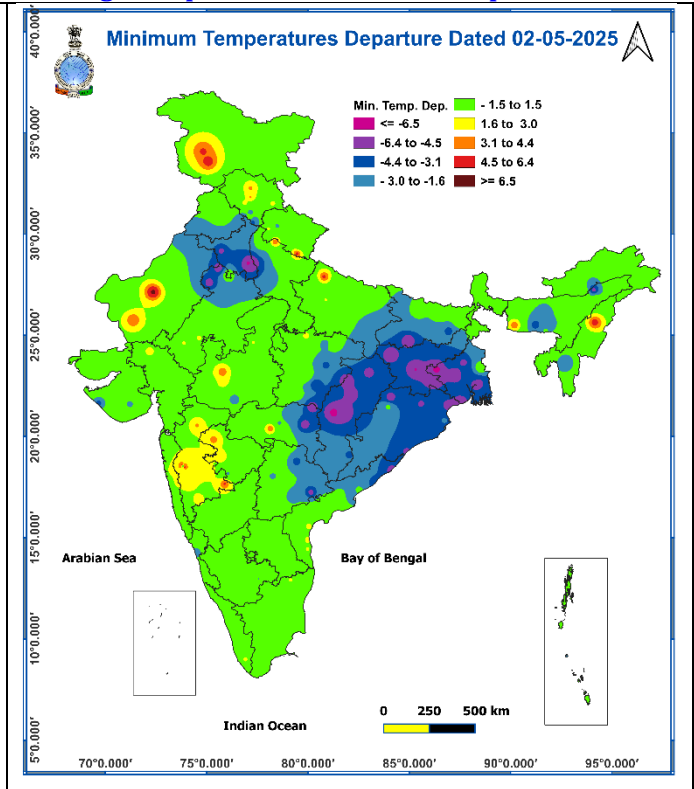
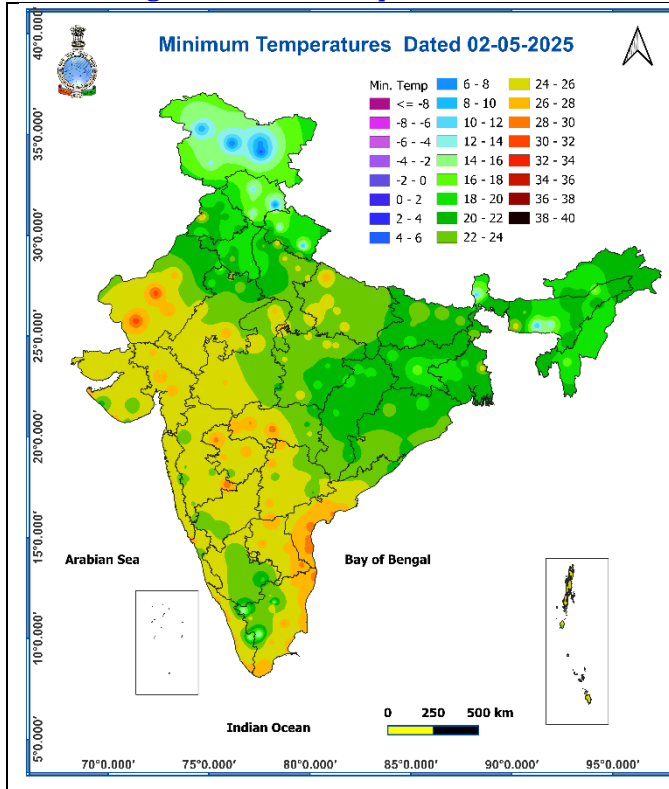
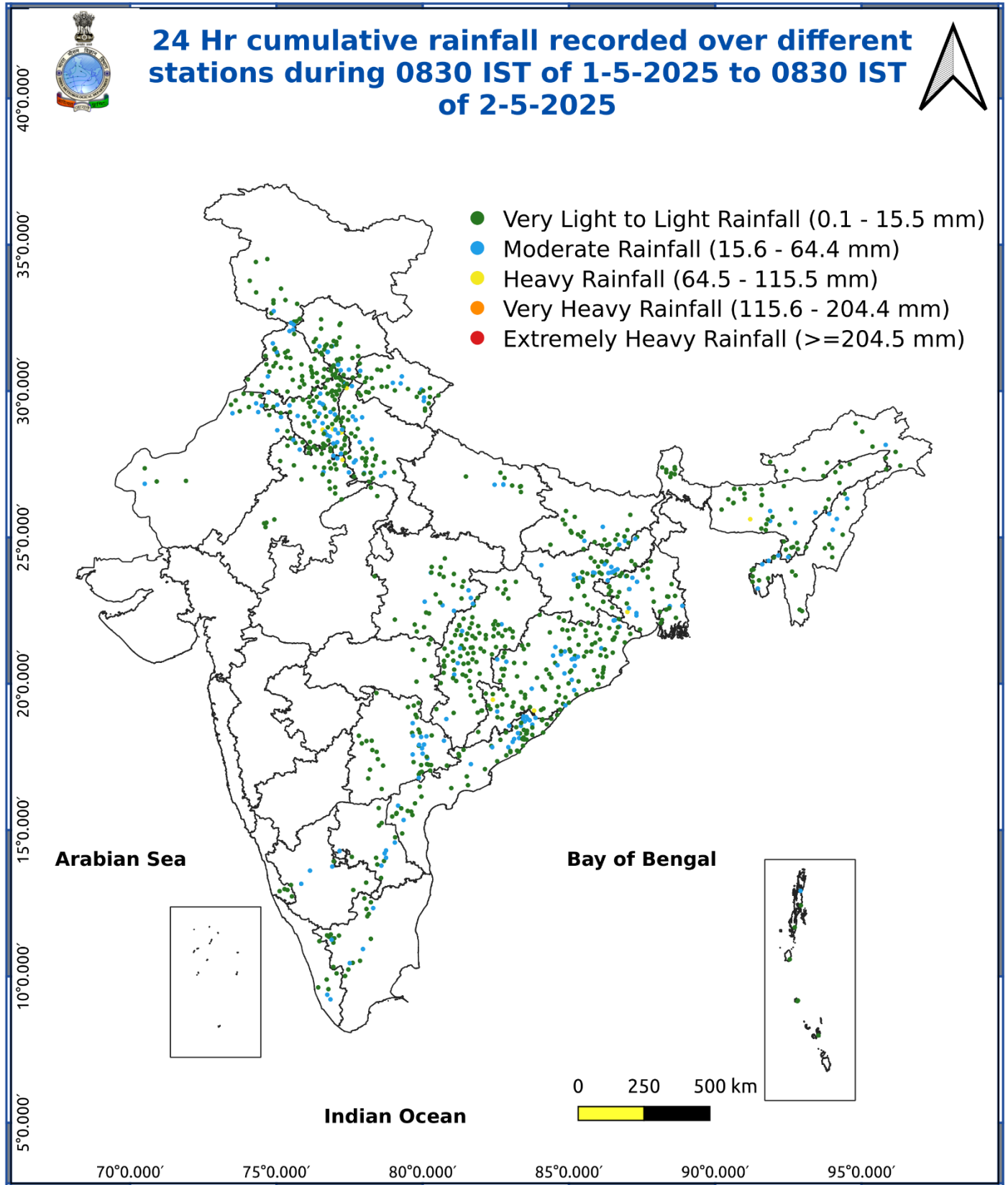




Fig. 5: Accumulated Rainfall (mm) during past 24 hours



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

- ❖ **Thundersquall (wind speed reaching 50-60 kmph)** likely over West Madhya Pradesh on 02<sup>nd</sup>, 05<sup>th</sup> & 06<sup>th</sup>; East Madhya Pradesh, Chhattisgarh during 02<sup>nd</sup> -04<sup>th</sup>; Vidarbha, South Interior Karnataka on 02<sup>nd</sup> & 03<sup>rd</sup>; Gangetic West Bengal, Jharkhand on 03<sup>rd</sup>; Bihar, Jammu & Kashmir on 04<sup>th</sup> and Odisha on 03<sup>rd</sup> & 04<sup>th</sup> May; Himachal Pradesh on 02<sup>nd</sup>; Uttarakhand, Rajasthan on 02<sup>nd</sup> & 04<sup>th</sup>; Punjab, Haryana Chandigarh & Delhi on 04<sup>th</sup> & 05<sup>th</sup>; West Uttar Pradesh on 02<sup>nd</sup>, 04<sup>th</sup> & 05<sup>th</sup>; East Uttar Pradesh on 05<sup>th</sup> and North Interior Karnataka on 05<sup>th</sup> & 06<sup>th</sup> May.
- ❖ **Isolated hailstorm** activity likely over Vidarbha on 02<sup>nd</sup>; Sikkim, Odisha, Chhattisgarh on 03<sup>rd</sup>; East Madhya Pradesh during 02<sup>nd</sup>-04<sup>th</sup> May. Himachal Pradesh on 02<sup>nd</sup> & 03<sup>rd</sup> May North Interior Karnataka on 05<sup>th</sup> & 06<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.
- Unplug electrical/ electronic appliances.
- Immediately get out of water bodies.
- Keep away from all the objects that conduct electricity.

## Agromet advisories for likely impact of Hailstorm / Heavy Rainfall / Gusty Winds / Heat wave

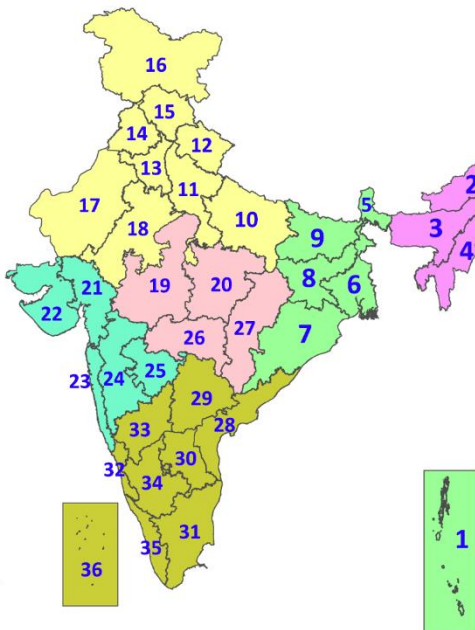
- In **Odisha, Kerala and South Interior Karnataka**, make provision to drain out excess water from standing crop and vegetable fields.
- In **Sikkim, Odisha, Himachal Pradesh, East Madhya Pradesh, Chhattisgarh and Vidarbha**, use hail nets and hail caps to prevent mechanical damage in vegetables and orchards due to the possibility of hailstorms.
- To protect standing crops, vegetables and orchards from the adverse effects of heat waves and high temperatures, apply light and frequent irrigation in the evening.
- Shift the harvested produce in safer places or cover the produce with tarpaulin sheets in the fields. Tie the harvested crops properly and cover them to minimise the risk of displacement due to strong surface winds.
- Provide mechanical support to horticultural crops and staking to vegetables to avoid lodging.

### Livestock / Poultry / Fishery

- Keep the animals inside the shed during heavy rainfall / hailstorm and provide them balanced feed.
- Store feed and fodder in a safe place to prevent spoilage.
- To reduce the effect of heat wave/high temperature, cover the roof of poultry sheds with grass. Also, provide clean, hygienic and plenty of drinking water to animals.
- Construct an outlet with proper netting around the ponds to drain out excess water, thereby preventing fish from escaping in case of overflow.

## LEGENDS

1. अंडमान और निकोबार द्वीपसमूह
2. अरुणाचल प्रदेश
3. असम और मेघालय
4. नागालैंड, मणिपुर, मिजोरम और त्रिपुरा
5. उप-हिमालयी पश्चिम बंगाल और सिक्किम
6. गंगीय पश्चिम बंगाल
7. ओडिशा
8. झारखंड
9. बिहार
10. पूर्वी उत्तर प्रदेश
11. पश्चिम उत्तर प्रदेश
12. उत्तराखंड
13. हरियाणा, चंडीगढ़ और दिल्ली
14. पंजाब
15. हिमाचल प्रदेश
16. जम्मू और कश्मीर और लद्दाख
17. पश्चिम राजस्थान
18. पूर्वी राजस्थान
19. पश्चिम मध्य प्रदेश
20. पूर्वी मध्य प्रदेश
21. गुजरात
22. सौराष्ट्र
23. कोंकण और गोवा
24. मध्य महाराष्ट्र
25. मराठवाड़ा
26. विदर्भ
27. छत्तीसगढ़
28. तटीय आंध्र प्रदेश और यनम
29. तेलंगाना
30. रायलसीमा
31. तमिलनाडु, पुडुचेरी और कराईकल
32. तटीय कर्नाटक
33. आंतरिक उत्तरी कर्नाटक
34. आंतरिक दक्षिणी कर्नाटक
35. केरल और 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. Odisha
8. Jharkhand
9. Bihar
10. East Uttar Pradesh
11. West Uttar Pradesh
12. Uttarakhand
13. Haryana, Chandigarh & 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. Marathwada
26. Vidarbha
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)



Fog



Heavy Rain



Very Heavy Rain



Extremely Heavy Rain



Thunder & Lightning



Hailstorm



Dust Raising Winds



Heavy Snow



Dust Storm



Heat Wave



Warm Night



Hot Day



Hot & Humid



Strong Surface Winds



Cold Wave



Cold Day



Ground Frost

### COLOUR CODED WARNING

No Warning (No Action)

Watch (Be Aware)

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

\* Red colour warning does not mean "Red Alert", Red colour 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

(Service to the Nation since 1875)



## DEFINITION/CRITERIA

### Rain/ Snow \*

Heavy: 64.5 to 115.5 mm/cm \*  
Very Heavy: 115.6 to 204.4 mm/cm \*  
Extremely Heavy: > 204.4 mm/cm \*

### Heat Wave

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  $\geq 37^{\circ}\text{C}$

### Warm Night

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  $> 6.4^{\circ}\text{C}$ .

### Cold Wave

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  $\leq 15^{\circ}\text{C}$

### Cold Day

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  $\leq -6.5^{\circ}\text{C}$

### Fog

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

### Thunderstorm

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

### Dust/Sand Storm

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

### Frost

Ice deposits on ground

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

### Squall

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

### Sea State

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

### Cyclone

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)