

ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

Significant Weather Features:

**Weather Systems, Forecast and Warnings:**

**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, Uttarakhand, Punjab, Haryana Chandigarh & Delhi, Uttar Pradesh and isolated to scattered rainfall over Rajasthan during 06<sup>th</sup>-12<sup>th</sup> May.
- ✓ **Isolated hailstorm** very likely over Himachal Pradesh on 06<sup>th</sup> and Uttarakhand on 06<sup>th</sup> & 07<sup>th</sup> May.
- ✓ **Thundersquall (speed reaching 60-70 kmph gusting to 80 kmph)** very likely at isolated places over East Rajasthan on 06<sup>th</sup>; **wind speed reaching 50-60 kmph gusting to 70 kmph** over East Rajasthan on 07<sup>th</sup> May.
- ✓ **Isolated heavy rainfall** likely over Uttarakhand and East Rajasthan on 06<sup>th</sup> & 07<sup>th</sup> May.

**West India:**

- ❖ **Fairly widespread to widespread** light/moderate rainfall accompanied with **thunderstorm, lightning & gusty winds speed reaching 40-50 kmph gusting to 60 kmph** likely over Konkan & Goa on 06<sup>th</sup> & 07<sup>th</sup>; Marathwada on 08<sup>th</sup> and Gujarat Region on 09<sup>th</sup> May.
- ❖ **Isolated hailstorm** activity very likely over Gujarat State on 06<sup>th</sup>; Madhya Maharashtra & Marathwada on 06<sup>th</sup> & 07<sup>th</sup> May.
- ❖ **Thundersquall wind speed reaching 60-70 kmph gusting to 80 kmph** likely over Gujarat State on 06<sup>th</sup>; **wind speed reaching 50-60 kmph gusting to 70 kmph** over Gujarat State on 07<sup>th</sup> & 08<sup>th</sup>; Madhya Maharashtra & Marathwada on 06<sup>th</sup> & 07<sup>th</sup> May.
- ❖ **Isolated heavy rainfall** likely over Gujarat state during 06<sup>th</sup> -08<sup>th</sup> May with **very heavy rainfall** over Gujarat State on 06<sup>th</sup> May.

**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 West Madhya Pradesh on 08<sup>th</sup> & 09<sup>th</sup>; East Madhya Pradesh during 08<sup>th</sup>-10<sup>th</sup>; Gangetic West Bengal on 06<sup>th</sup>; Vidarbha & Chhattisgarh during 06<sup>th</sup>-10<sup>th</sup>; **with winds speed reaching 30-40 kmph gusting to 50 kmph** over Jharkhand on 06<sup>th</sup>; Sub-Himalayan West Bengal & Sikkim, Odisha on 06<sup>th</sup> & 07<sup>th</sup>; Bihar on 07<sup>th</sup> May.
- ❖ **Thundersquall wind speed reaching 60-70 kmph gusting to 80 kmph** very likely at isolated places over West Madhya Pradesh on 06<sup>th</sup>; **Thundersquall wind speed reaching 50-60 kmph gusting to 70 kmph** over West Madhya Pradesh on 07<sup>th</sup>; East Madhya Pradesh on 06<sup>th</sup> & 07<sup>th</sup> and Bihar on 06<sup>th</sup> May.
- ❖ **Isolated hailstorm** activity likely over Madhya Pradesh on 06<sup>th</sup> & 07<sup>th</sup> May.
- ❖ **Isolated heavy rainfall** likely over Nicobar, Sub-Himalayan West Bengal & Sikkim and Bihar on 06<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 Tamilnadu, Puducherry & Karaikal on 06<sup>th</sup> & 07<sup>th</sup>; Kerala & Mahe, Coastal Andhra Pradesh & Yanam, South Interior Karnataka during 06<sup>th</sup>-10<sup>th</sup>; Rayalaseema & Telangana during 07<sup>th</sup>-10<sup>th</sup> May; with **thunderstorm & lightning** over Lakshadweep on 06<sup>th</sup> May.
- ❖ **Isolated hailstorm** very likely over Telangana on 06<sup>th</sup> May.
- ❖ **Thundersquall wind speed reaching 50-60 kmph** likely over Rayalaseema & Telangana on 06<sup>th</sup> May.
- ❖ **Isolated heavy rainfall** over Coastal Andhra Pradesh & Yanam on 07<sup>th</sup> and Kerala & Mahe on 09<sup>th</sup> & 10<sup>th</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 5 days.
- ❖ **Thundersquall wind speed reaching 50-60 kmph** likely over Assam & Meghalaya on 07<sup>th</sup> May.
- ❖ **Isolated heavy rainfall** over Arunachal Pradesh on 07<sup>th</sup>, 10<sup>th</sup> & 11<sup>th</sup>; Assam & Meghalaya during 06<sup>th</sup>-11<sup>th</sup> May.

**Temperature Forecast:**

- ❖ No significant change in maximum temperatures likely over Northwest India during next 24 hours and gradual rise by about 3-5°C thereafter for subsequent 5 days.
- ❖ No significant change in maximum temperatures likely over Central India during next 3 days and rise by 2-3°C thereafter for subsequent 4 days.
- ❖ No significant change in maximum temperatures likely over East India during next 24 hours and rise by 3-5°C thereafter for subsequent 2 days.
- ❖ Gradual fall in maximum temperature by 3-5°C likely over Gujarat State during next 4-5 days.
- ❖ Gradual fall in maximum temperature by 2-4°C likely over Maharashtra during next 2 days and gradual rise by 2-3°C thereafter.
- ❖ No significant change in maximum temperatures likely over rest parts of the country.

**Heat wave and Hot & Humid weather warning:**

- ❖ **Heat wave conditions** very likely in isolated pockets of Gangetic West Bengal during 08<sup>th</sup>-12<sup>th</sup>; Bihar & Odisha during 09<sup>th</sup>-12<sup>th</sup>; Jharkhand during 10<sup>th</sup>-12<sup>th</sup> May.
- ❖ **Hot & humid weather** is likely to prevail over Odisha on 08<sup>th</sup>; Tamil Nadu, Puducherry & Karaikal during 06<sup>th</sup>-08<sup>th</sup> and Kerala & Mahe on 06<sup>th</sup> & 07<sup>th</sup> May.

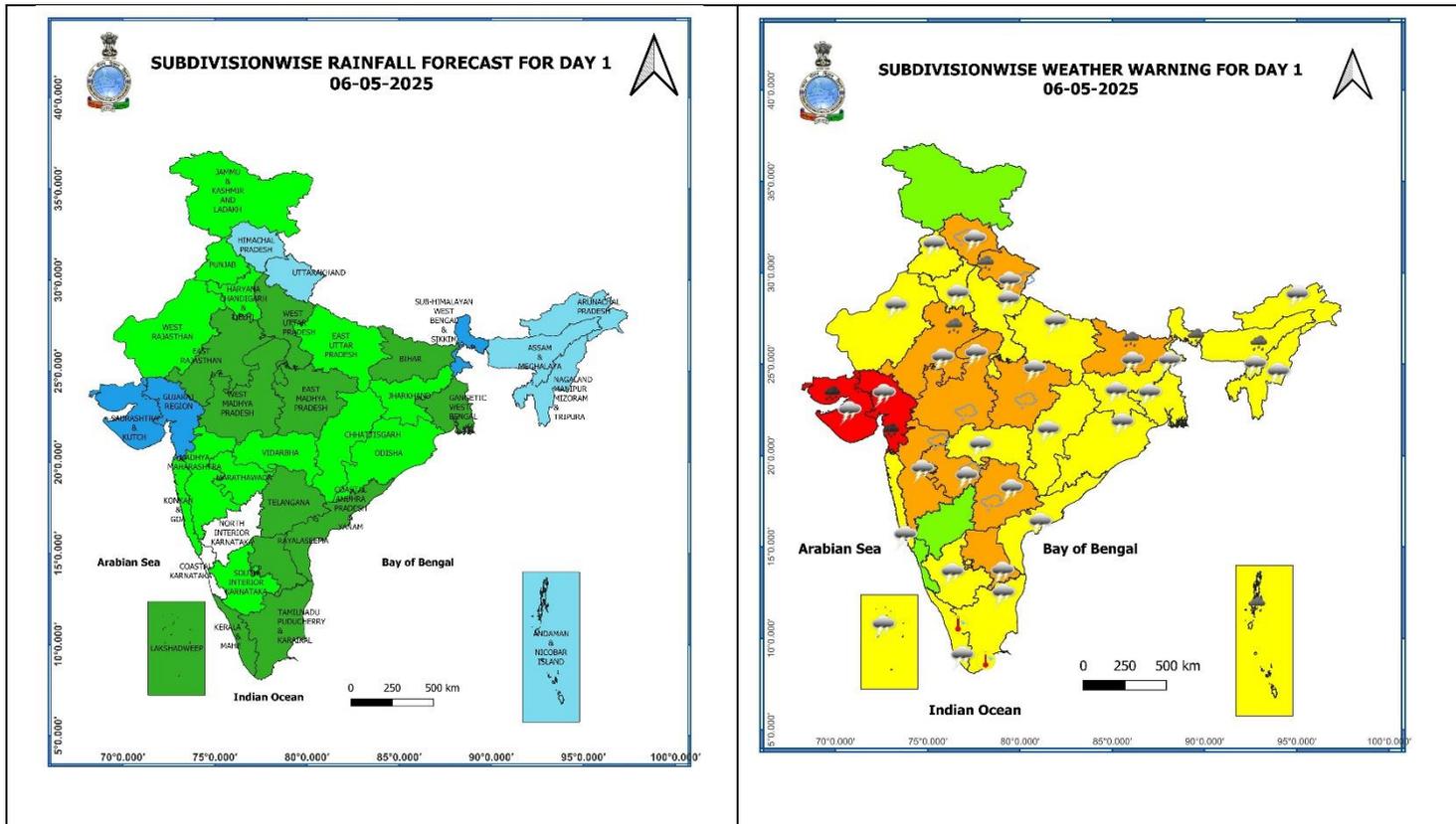
### Main Weather Observations:

- ❖ **Rainfall observed** (from 0830 hours IST to 1730 hours IST of today): at many places over Assam & Meghalaya, at a few places over Gujarat state, West Bengal & Sikkim; at isolated places over Himachal Pradesh, Rajasthan, Madhya Maharashtra, Marathwada, Tamil Nadu, Puducherry & Karaikal, Odisha.
- ❖ **Significant amount of rainfall recorded** (from 0830 hours IST to 1730 hours IST of today) (in cm): **Saurashtra & Kutch:** Bhavnagar 9, Mahuva 8, Amreli 6, Rajkot 3; **Telangana:** Khammam 3; **Mizoram:** Lengpui 3; **East Rajasthan:** Udaipur 2; **Andaman & Nicobar Islands:** Car Nicobar 2; Assam & Meghalaya: North Lakhimpur 2.
- ❖ **Heavy rainfall** has been recorded at isolated places over Saurashtra & Kutch.
- ❖ **Minimum Temperature Departures (as on 06-05-2025):** Minimum temperatures are **markedly below normal (5.1 or more)** at isolated places over West Uttar Pradesh, East Rajasthan, West Madhya Pradesh; **above normal (1.6°C to 3.0°C)** at isolated places over Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura. These are **markedly below normal (-5.1 or below)** at isolated places over Vidarbha, Chhattisgarh, West Rajasthan, Telangana; **below normal (-1.6°C to -3.0°C)** at many places over Punjab, Haryana-Chandigarh-Delhi, Bihar, Jharkhand, Himachal Pradesh; at a few places over East Uttar Pradesh, Odisha; at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Uttarakhand, Marathwada and normal over rest parts of the country (**Fig. 4**). Today, the **lowest minimum temperature** of **17.0°C** is reported at **Rajgarh (West Madhya Pradesh)** over the plains of the country.
- ❖ **Maximum Temperature Departures (as on 06-05-2025):** Maximum Temperatures **above normal (1.6°C to 3.0°C)** at a few places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Kerala & Mahe, Assam & Meghalaya, at isolated places over Konkan & Goa, Coastal Karnataka, Nagaland, Manipur, Mizoram & Tripura, Odisha. These are **markedly below normal (-5.1 or below)** at many places over Rajasthan; at a few places over Gujarat state, West Madhya Pradesh, East Uttar Pradesh, Bihar; **appreciably below normal (-3.1°C to -5.0°C)** at many places over East Madhya Pradesh, Punjab; at a few places over Vidarbha, Gangetic West Bengal, Haryana-Chandigarh-Delhi; at isolated places over Jammu-Marathwada, Uttarakhand, Himachal Pradesh; **below normal (-1.6°C to -3.0°C)** at a few places over Odisha; at isolated places over Jharkhand, Coastal Andhra Pradesh & Yanam, Telangana, Chhattisgarh, Madhya Maharashtra and normal over rest parts of the country (**Fig. 2**). Today, the highest **maximum temperature** of **41.3°C** is reported at **Nandyal (Rayalaseema)** over the country.

**Meteorological Analysis (Based on 1730 hours IST)**

- ❖ The **Western Disturbance** as a cyclonic circulation over west Rajasthan and neighbourhood between 4.5 & 9.4 km above mean sea level persists.
- ❖ The upper air **cyclonic circulation** over northeast Rajasthan & neighbourhood at 3.1 km above mean sea level persists.
- ❖ The upper air **cyclonic circulation** over southwest Rajasthan & neighbourhood extending upto 1.5 km above mean sea level persists.
- ❖ The upper air **cyclonic circulation** over Northeast Assam & neighbourhood at 1.5 km above mean sea level persists.
- ❖ The upper air **cyclonic circulation** over south Telangana and neighbourhood at 0.9 km above mean sea level persists.
- ❖ The east-west **trough** from cyclonic circulation over southwest Rajasthan & neighbourhood to north Bangladesh across North Madhya Pradesh, north Chhattisgarh, Jharkhand and Sub-Himalayan West Bengal & Sikkim at 0.9 km above mean sea level persists.
- ❖ The north- south trough from the **cyclonic circulation** over south Telangana and neighbourhood to Gulf of Mannar across Rayalaseema and Tamil Nadu at 0.9 km above mean sea level persists.
- ❖ **Southwest Monsoon** is very likely to advance into South Andaman Sea, some parts of Southeast Bay of Bengal and Nicobar Islands around 13<sup>th</sup> May, 2025.
- ❖ The upper air **cyclonic circulation** over south Assam and neighbourhood at 0.9 km above mean sea level has become less marked.

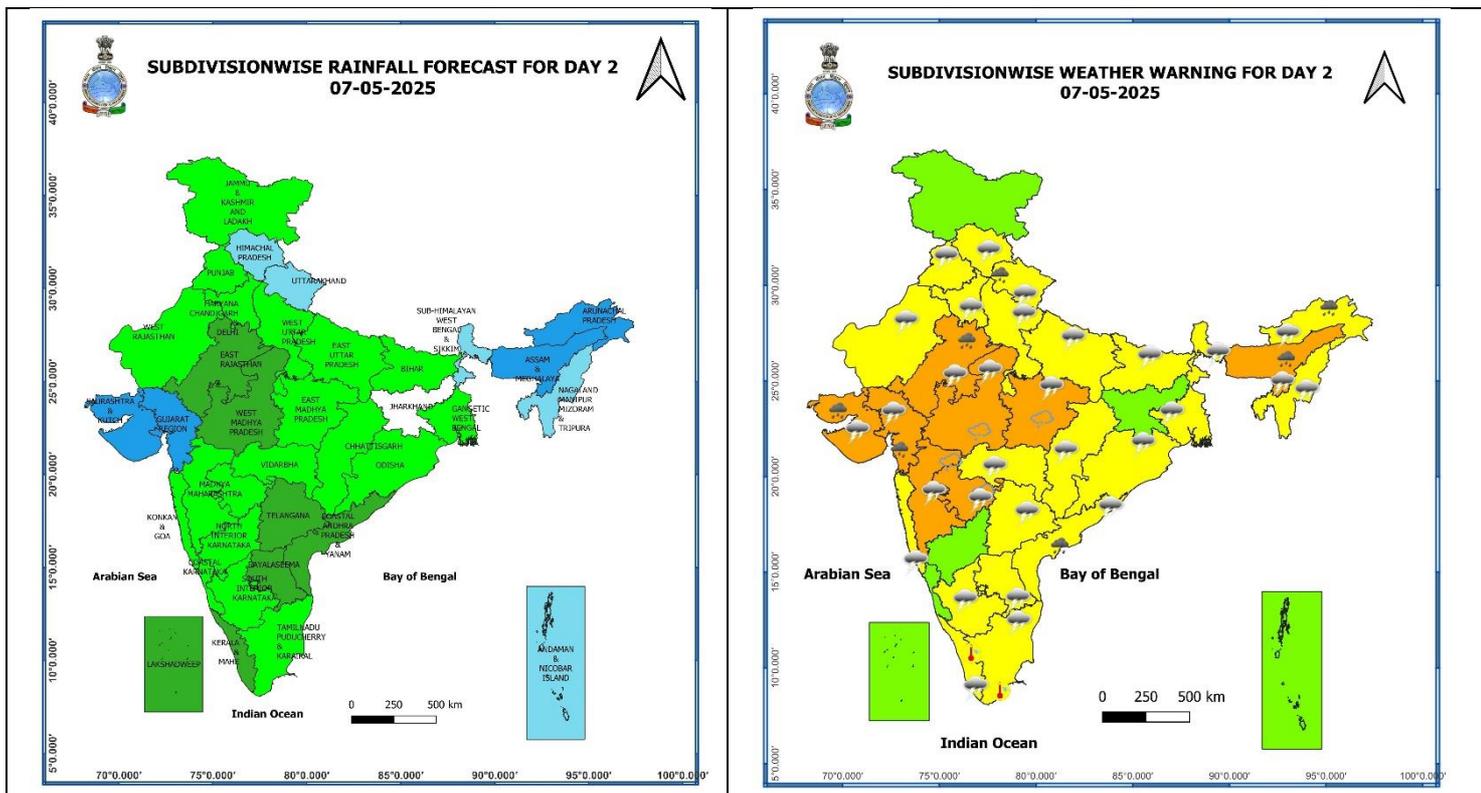
**Weather Forecast & Warnings for next 7 days (Upto 0830 hours IST of 13<sup>th</sup> May, 2025)**



**06<sup>th</sup> May (Day 1)**

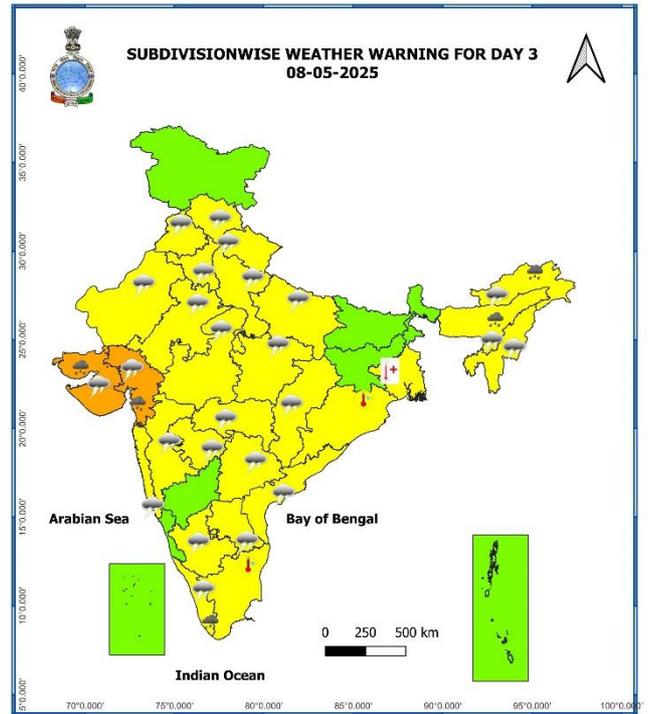
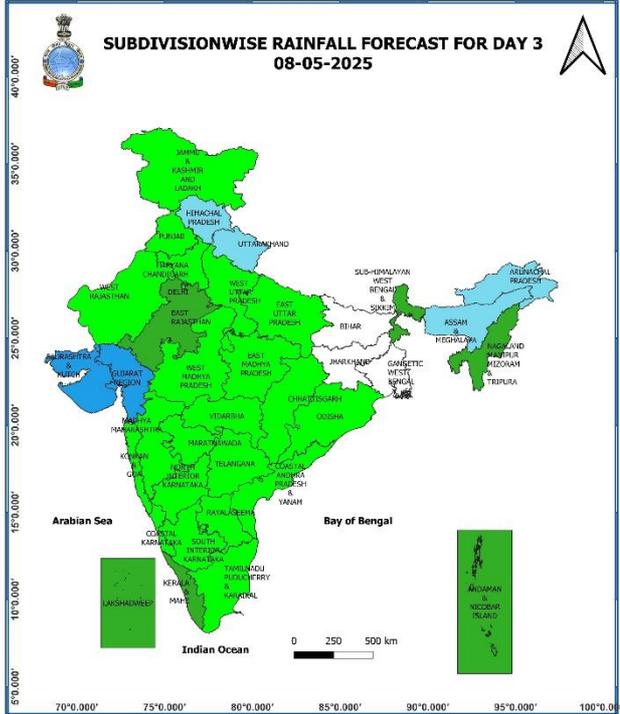
- ❖ **Thundersquall with wind speed reaching(50-60kmph)** very likely at isolated places over Bihar, East Rajasthan, Gujarat, Madhya Maharashtra, Madhya Pradesh, Marathwada, Rayalaseema, Telangana and Uttarakhand.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Assam & Meghalaya, Chhattisgarh, Coastal Andhra Pradesh, Gangetic West Bengal, Himachal Pradesh, Kerala and Mahe, Konkan & Goa, Nagaland, Manipur, Mizoram and Tripura, South Interior Karnataka, Uttar Pradesh, Vidarbha and West Rajasthan.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Haryana, Chandigarh & Delhi, Jharkhand, Odisha, Punjab, Sub Himalayan West Bengal & Sikkim and Tamilnadu & Puducherry.
- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Gujarat.
- ❖ **Hot and Humid** very likely at isolated places over Kerala and Mahe and Tamilnadu & Puducherry.
- ❖ **Thunderstorm accompanied with Hailstorm** very likely at isolated places over Himachal Pradesh, Madhya Maharashtra, Madhya Pradesh, Marathwada, Telangana and Uttarakhand.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Andhra Pradesh, Arunachal Pradesh, Assam & Meghalaya, Bihar, Chhattisgarh, Haryana, Chandigarh & Delhi, Himachal Pradesh, Jharkhand, Kerala and Mahe, Konkan & Goa, Lakshadweep, Madhya Pradesh, Maharashtra, Nagaland, Manipur, Mizoram and Tripura, Odisha, Punjab, Rajasthan, Saurashtra & Kutch, South Interior Karnataka, Tamilnadu & Puducherry, Telangana, Uttar Pradesh and West Bengal & Sikkim.
- ❖ **Heavy Rainfall** very likely at isolated places over Andaman & Nicobar Islands, Assam & Meghalaya, Bihar, East Rajasthan, Sub Himalayan West Bengal & Sikkim and Uttarakhand.
- ❖ **Squally wind with speed 45 kmph to 50 kmph gusting to 55 kmph** likely to prevail along and off Oman coast, over some parts of northwest Arabian Sea, along & off Gujarat coast. **Squally wind with speed 45 kmph to 50 kmph gusting to 55 kmph** very likely to prevail along and off Oman coast, over some parts of northwest Arabian Sea, along & off Gujarat coast. Fisherman advice not to venture in this sea area.

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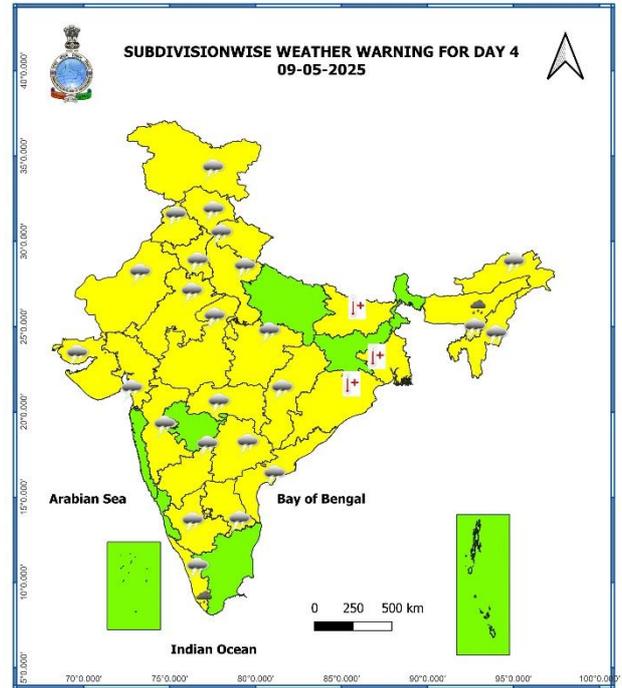
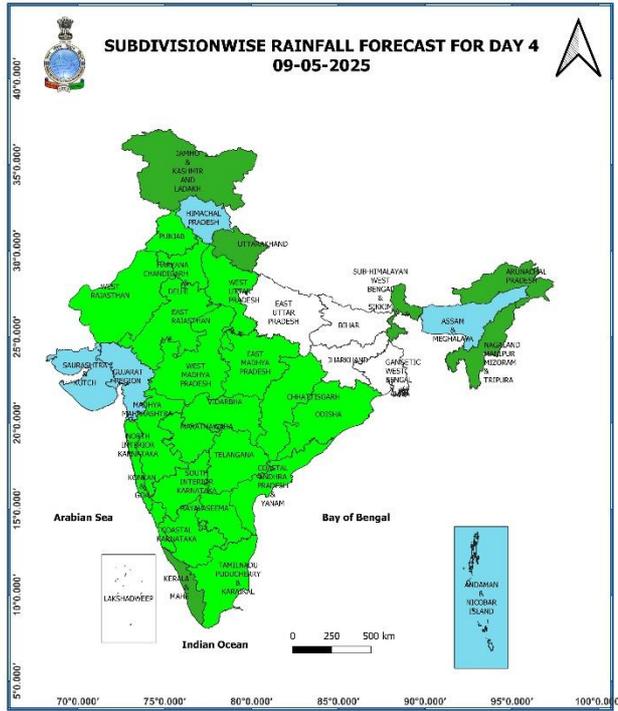
**07<sup>th</sup> May (Day 2)**

- ❖ **Thundersquall with wind speed reaching(50-60kmph)** very likely at isolated places over Assam & Meghalaya, East Rajasthan, Gujarat, Madhya Maharashtra, Madhya Pradesh and Marathwada.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Andhra Pradesh, Himachal Pradesh, Konkan & Goa, Telangana, Uttarakhand and West Rajasthan.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Bihar, Chhattisgarh, Haryana, Chandigarh & Delhi, Kerala and Mahe, Nagaland, Manipur, Mizoram and Tripura, Odisha, Punjab, South Interior Karnataka, Tamilnadu & Puducherry, Uttar Pradesh, Vidarbha and West Bengal & Sikkim.
- ❖ **Hot and Humid** very likely at isolated places over Kerala and Mahe and Tamilnadu & Puducherry.
- ❖ **Thunderstorm accompanied with Hailstorm** very likely at isolated places over Madhya Maharashtra, Madhya Pradesh and Marathwada.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Andhra Pradesh, Arunachal Pradesh, Assam & Meghalaya, Bihar, Chhattisgarh, Haryana, Chandigarh & Delhi, Himachal Pradesh, Kerala and Mahe, Konkan & Goa, Madhya Pradesh, Maharashtra, Nagaland, Manipur, Mizoram and Tripura, Odisha, Punjab, Rajasthan, Saurashtra & Kutch, South Interior Karnataka, Tamilnadu & Puducherry, Telangana, Uttar Pradesh and West Bengal & Sikkim.
- ❖ **Heavy Rainfall** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Coastal Andhra Pradesh, East Rajasthan, Gujarat and Uttarakhand.
- ❖ **Squally wind with speed 45 kmph to 50 kmph gusting to 55 kmph** very likely to prevail along and off Oman coast, over some parts of northwest Arabian Sea, along & off Gujarat coast. **Squally wind with speed 45 kmph to 50 kmph gusting to 55 kmph** very likely to prevail along and off north Konkan coast. Fisherman advice not to venture in this sea area.



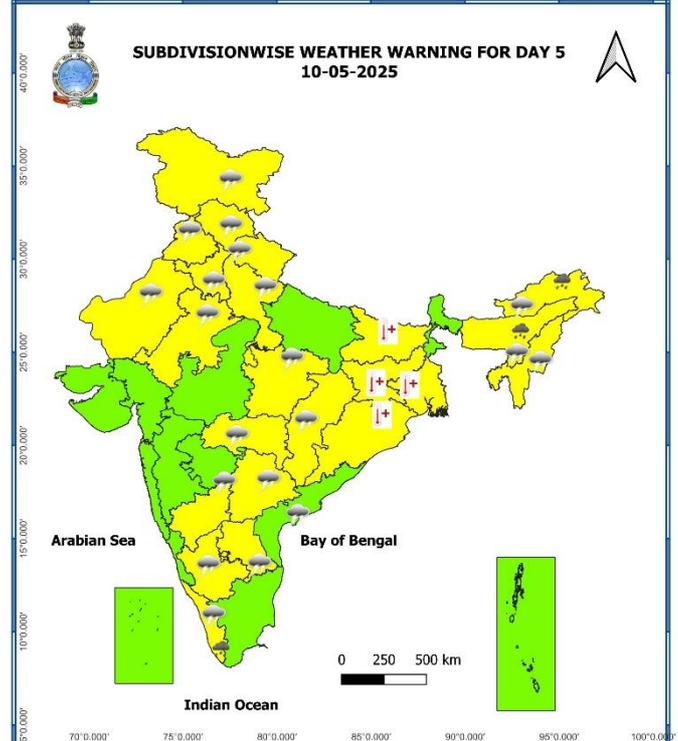
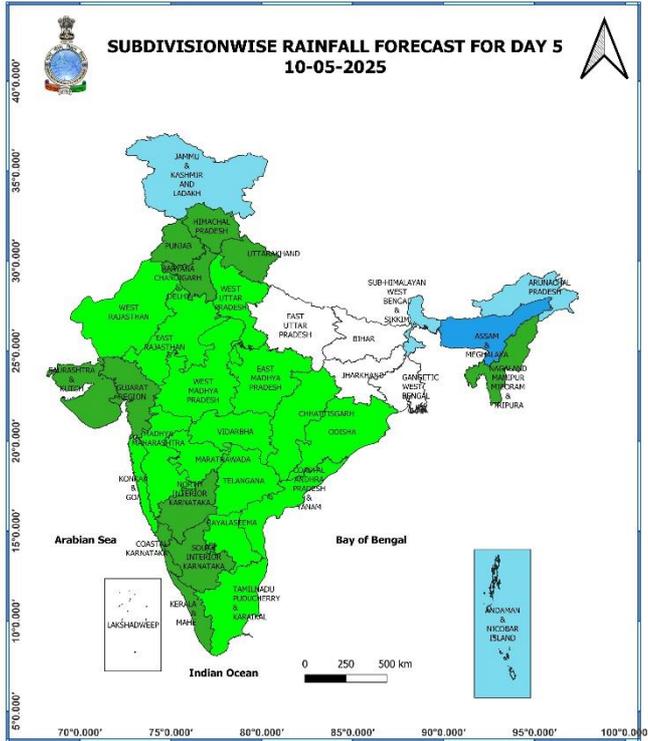
**08th May (Day 3)**

- ❖ **Thundersquall with wind speed reaching(50-60kmph)** very likely at isolated places over Gujarat Region.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Assam & Meghalaya, Coastal Andhra Pradesh, Himachal Pradesh, Madhya Pradesh, Marathwada, Rajasthan, Saurashtra & Kutch and Uttarakhand.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Chhattisgarh, Haryana, Chandigarh & Delhi, Kerala and Mahe, Nagaland, Manipur, Mizoram and Tripura, Punjab, Rayalaseema, South Interior Karnataka, Telangana, Vidarbha and West Uttar Pradesh.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Andhra Pradesh, Arunachal Pradesh, Assam & Meghalaya, Chhattisgarh, Haryana, Chandigarh & Delhi, Himachal Pradesh, Kerala and Mahe, Konkan & Goa, Madhya Pradesh, Maharashtra, Nagaland, Manipur, Mizoram and Tripura, Punjab, Rajasthan, Saurashtra & Kutch, South Interior Karnataka, Telangana and Uttar Pradesh.
- ❖ **Hot and Humid** very likely at isolated places over Odisha and Tamilnadu & Puducherry.
- ❖ **Heat Wave** very likely at isolated places over Gangetic West Bengal.
- ❖ **Heavy Rainfall** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Gujarat and Kerala and Mahe.



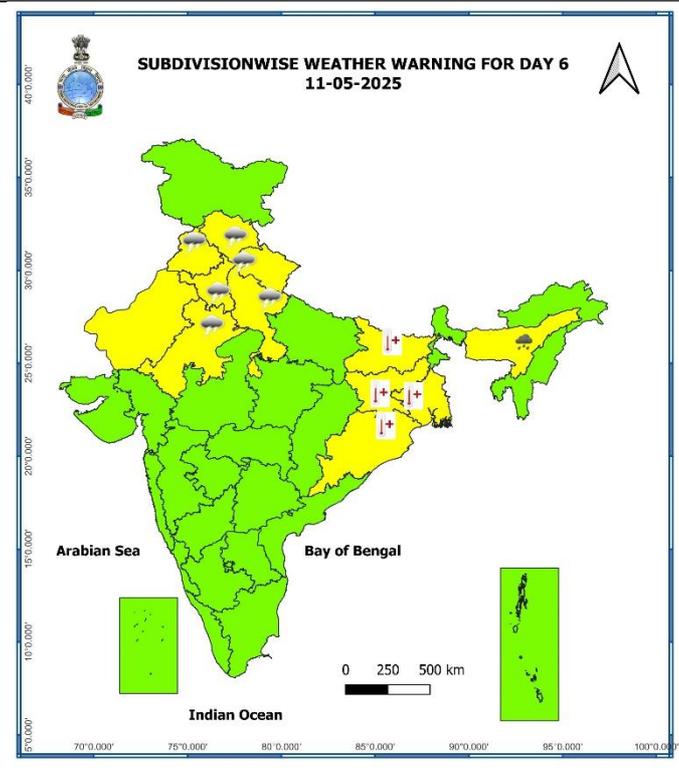
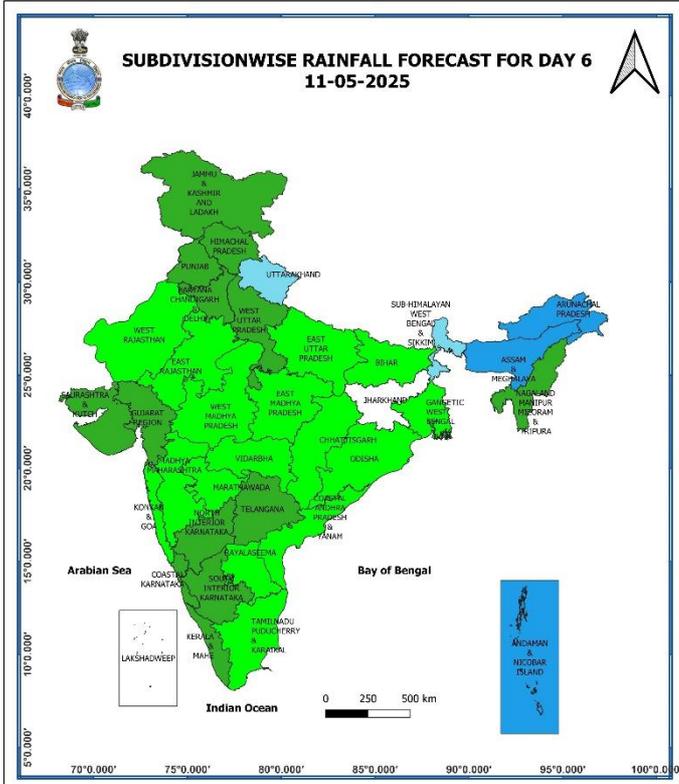
**09<sup>th</sup> May (Day 4)**

- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Assam & Meghalaya, Chhattisgarh, Coastal Andhra Pradesh, Gujarat, Himachal Pradesh, Jammu and Kashmir and Ladakh, Madhya Pradesh, Rajasthan, South Interior Karnataka, Uttarakhand and Vidarbha.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Haryana, Chandigarh & Delhi, Kerala and Mahe, Nagaland, Manipur, Mizoram and Tripura, North Interior Karnataka, Punjab, Rayalaseema, Telangana and West Uttar Pradesh.
- ❖ **Heat Wave** likely at isolated places over Bihar, Gangetic West Bengal and Odisha.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Andhra Pradesh, Arunachal Pradesh, Assam & Meghalaya, Chhattisgarh, Haryana, Chandigarh & Delhi, Himachal Pradesh, Interior Karnataka, Jammu and Kashmir and Ladakh, Kerala and Mahe, Madhya Maharashtra, Madhya Pradesh, Nagaland, Manipur, Mizoram and Tripura, Punjab, Rajasthan, Saurashtra & Kutch, Telangana, Vidarbha and West Uttar Pradesh.
- ❖ **Heavy Rainfall** likely at isolated places over Assam & Meghalaya and Kerala and Mahe.



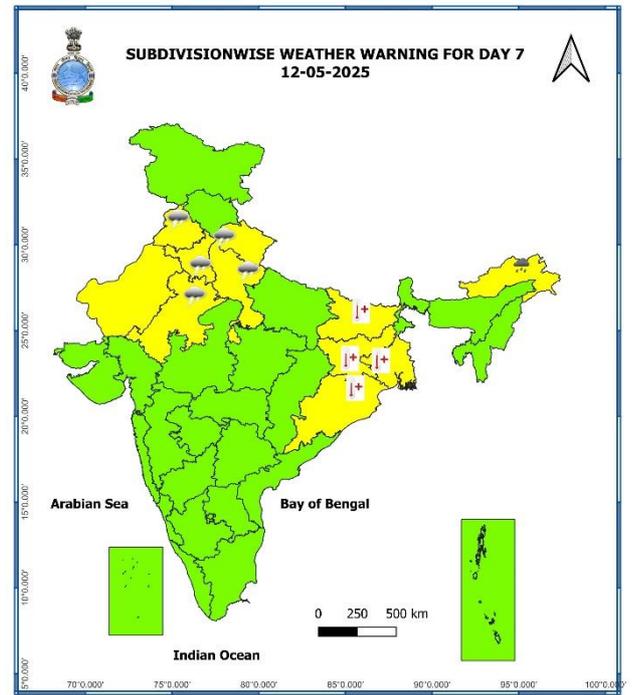
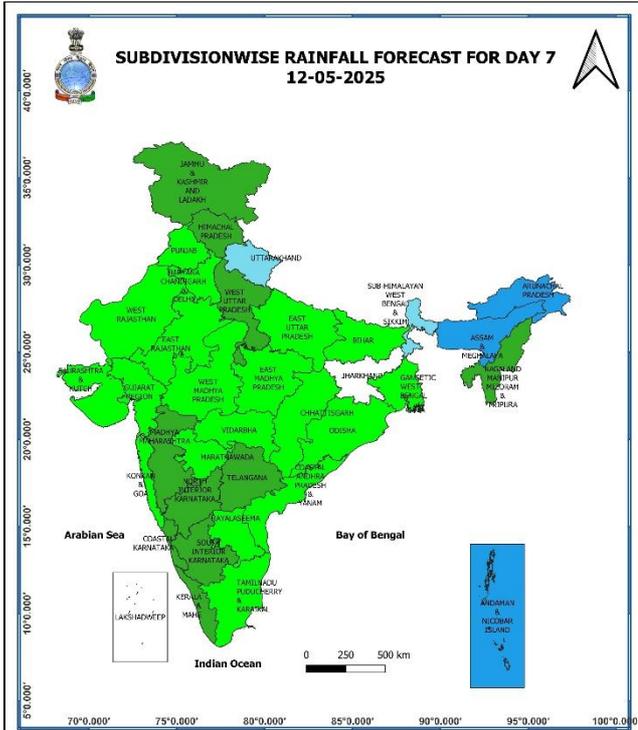
**10<sup>th</sup> May (Day 5)**

- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Assam & Meghalaya, Chhattisgarh, East Madhya Pradesh, Jammu and Kashmir and Ladakh, Rajasthan, South Interior Karnataka, Uttarakhand and Vidarbha.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Andhra Pradesh, Haryana, Chandigarh & Delhi, Himachal Pradesh, Kerala and Mahe, Nagaland, Manipur, Mizoram and Tripura, North Interior Karnataka, Punjab, Telangana and West Uttar Pradesh.
- ❖ **Heat Wave** likely at isolated places over Bihar, Gangetic West Bengal, Jharkhand and Odisha.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Andhra Pradesh, Arunachal Pradesh, Assam & Meghalaya, Chhattisgarh, East Madhya Pradesh, Haryana, Chandigarh & Delhi, Himachal Pradesh, Interior Karnataka, Jammu and Kashmir and Ladakh, Kerala and Mahe, Nagaland, Manipur, Mizoram and Tripura, Punjab, Rajasthan, Telangana, Vidarbha and West Uttar Pradesh.
- ❖ **Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya and Kerala and Mahe.



**11<sup>th</sup> May (Day 6)**

- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over East Rajasthan and Uttarakhand.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Haryana, Chandigarh & Delhi, Himachal Pradesh, Punjab and West Uttar Pradesh.
- ❖ **Heat Wave** likely at isolated places over Bihar, Gangetic West Bengal, Jharkhand and Odisha.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over East Rajasthan, Haryana, Chandigarh & Delhi, Himachal Pradesh, Punjab and West Uttar Pradesh.
- ❖ **Heavy Rainfall** likely at isolated places over Assam & Meghalaya.



**12<sup>th</sup> May (Day 7)**

- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over East Rajasthan and Uttarakhand.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Haryana, Chandigarh & Delhi, Punjab and West Uttar Pradesh.
- ❖ **Heat Wave** likely at isolated places over Bihar, Gangetic West Bengal, Jharkhand and Odisha.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over East Rajasthan, Haryana, Chandigarh & Delhi, Punjab and West Uttar Pradesh.
- ❖ **Heavy Rainfall** likely at isolated places over Arunachal Pradesh.

**Weather Outlook for subsequent 3 days (During 13<sup>th</sup> May- 15<sup>th</sup> May, 2025)**

- ❖ **Fairly widespread to widespread** rainfall activity likely over northeast India.
- ❖ **Scattered to fairly widespread** rainfall activity likely over northwest and south peninsular India.
- ❖ **Isolated to scattered rainfall** likely over East India, Chhattisgarh, Vidarbha and East Madhya Pradesh.

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

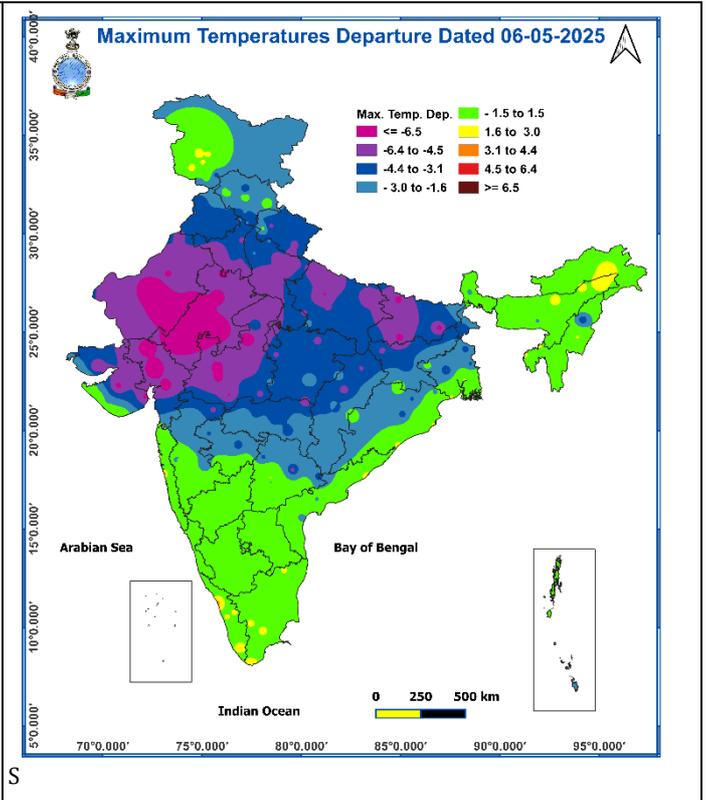
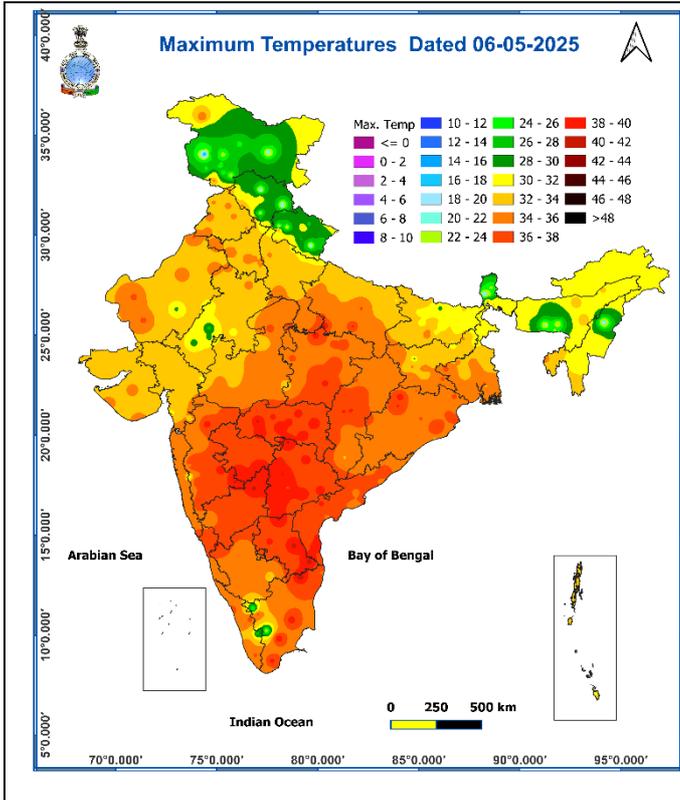


Fig. 3: Minimum Temperatures

Fig. 4: Departure of Minimum Temperatures

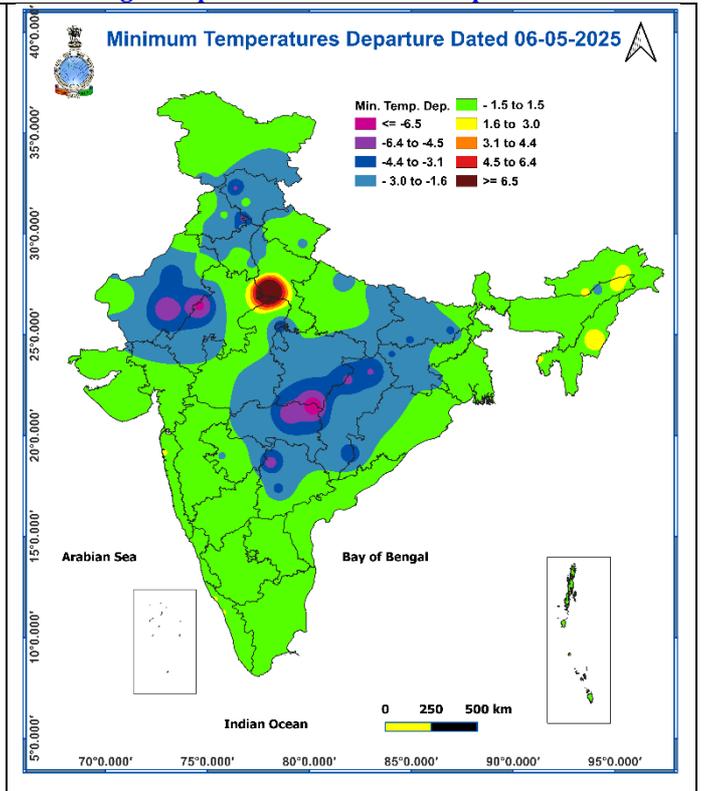
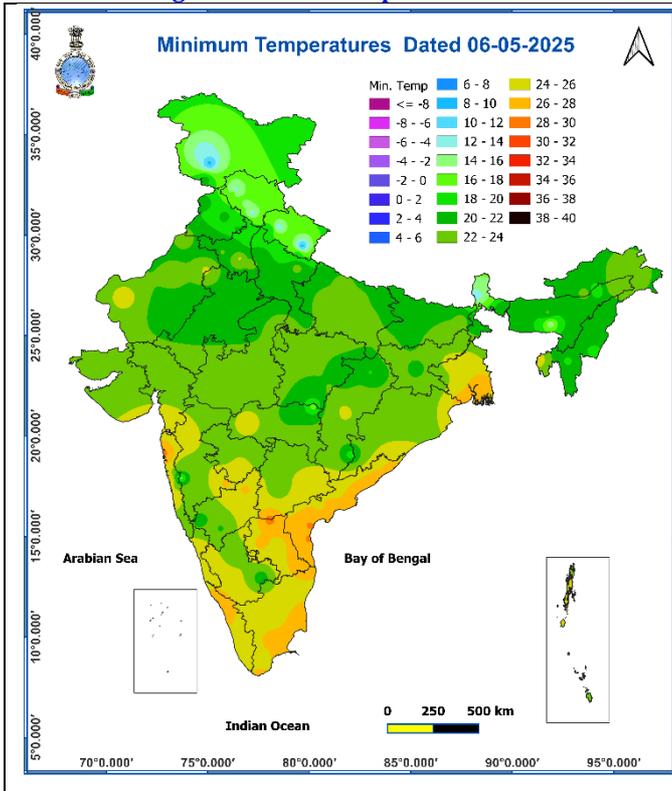
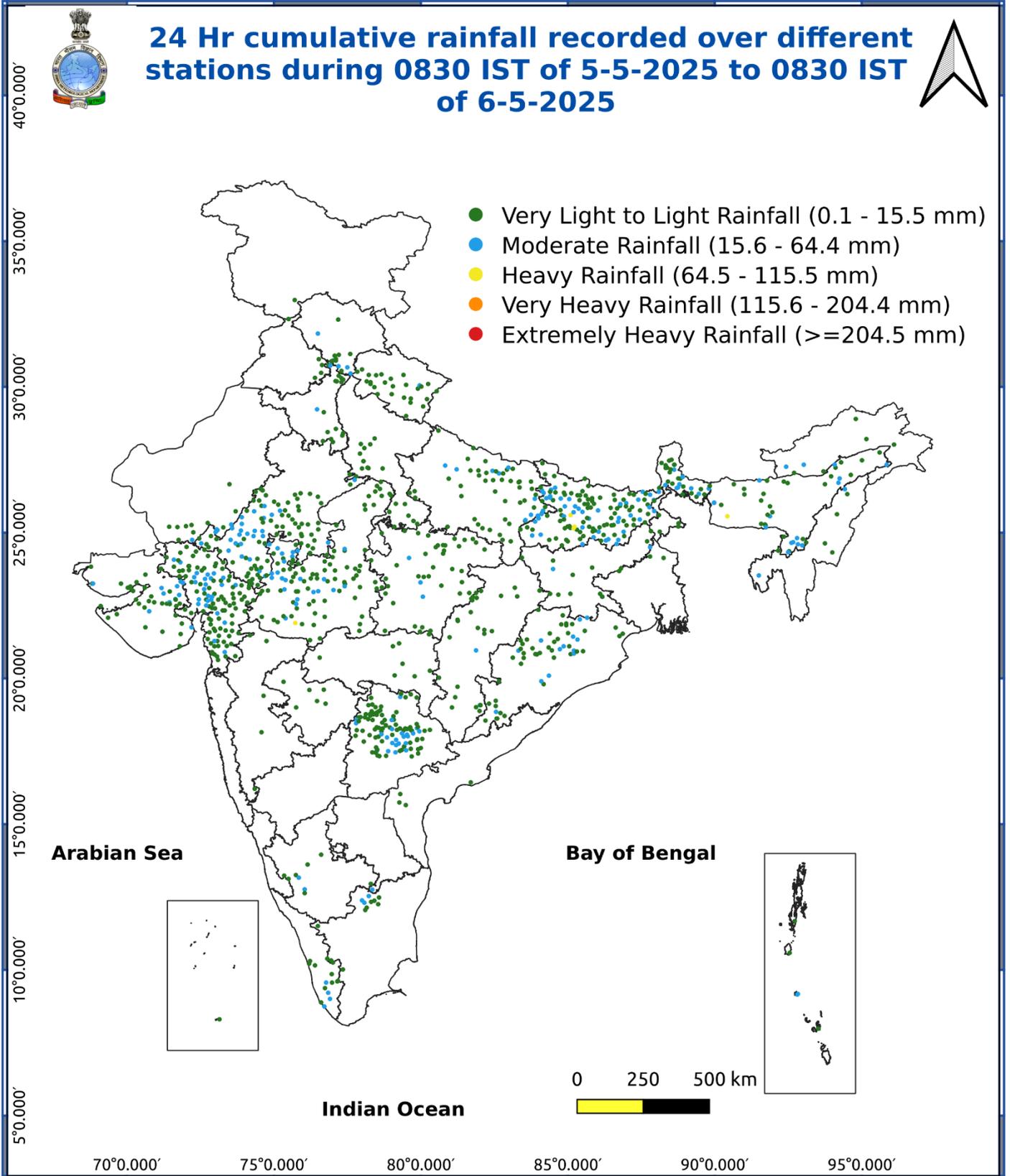


Fig. 5: Accumulated Rainfall (mm) during past 24 hours

\* Red colour warning does not mean "Red Alert", Red colour warning means "Take Action".  
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## Impact expected and action suggested due to isolated thunderstorm with lightning/gusty & Squally winds & Hailstorm over

- ✓ **Thundersquall (wind speed reaching 60-70 kmph gusting to 80 kmph)** over East Rajasthan, Gujarat State, West Madhya Pradesh on 06<sup>th</sup> May; **wind speed reaching 50-60 kmph gusting to 70 kmph** over East Rajasthan on 07<sup>th</sup>; Gujarat State on 07<sup>th</sup> & 08<sup>th</sup>; Madhya Maharashtra & Marathawada on 06<sup>th</sup> & 07<sup>th</sup>; West Madhya Pradesh & Assam & Meghalaya on 07<sup>th</sup>; East Madhya Pradesh on 06<sup>th</sup> & 07<sup>th</sup>; Bihar, Rayalaseema & Telangana on 06<sup>th</sup> May.
- ✓ **Isolated hailstorm** activity over Himachal Pradesh, Telangana & Gujarat State on 06<sup>th</sup> and Uttarakhand, Madhya Maharashtra & Marathawada, Madhya Pradesh on 06<sup>th</sup> & 07<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.

## Impact & Action Suggested due to heavy to very heavy rainfall over Gujarat State on 06<sup>th</sup> May.

### Impact Expected

- ❖ Localized Flooding of roads, water logging in low lying areas and closure of underpasses mainly in urban areas of the above region.
- ❖ 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
- ❖ 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.

\* 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)

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

- In **Arunachal Pradesh, Assam & Meghalaya, Nicobar Island, Sub Himalayan West Bengal & Sikkim, Bihar, Uttarakhand, East Rajasthan and Gujarat** make provision to drain out excess water from standing crop and vegetable fields.
- In **Himachal Pradesh, Uttarakhand, Madhya Pradesh, Madhya Maharashtra, Marathwada and Gujrat**, use hail nets and hail caps to prevent mechanical damage in vegetables and orchards due to the possibility of hailstorms.
- 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.
- 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.
- 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.

## Flash Flood Guidance

### 24 hours Outlook for the Flash Flood

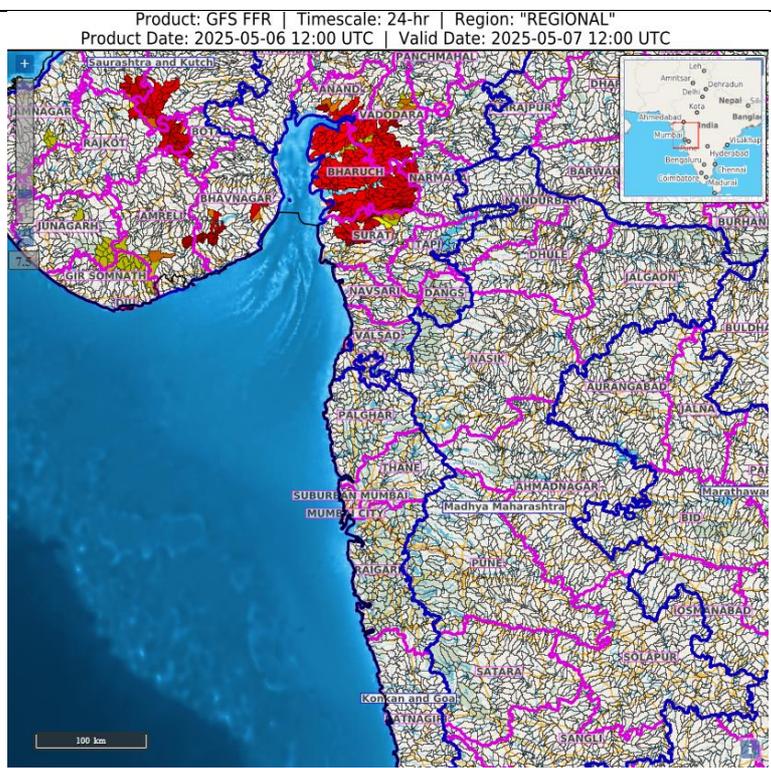
### Risk (FFR) till 1730 IST of 07-05-2025 :

**Low to Moderate flash flood risk** likely over few watersheds & neighbourhoods of following Met Sub-divisions during next 24 hours.

**Gujarat Region** - Bharuch, Anand, Surat, Narmada and Vadodara districts.

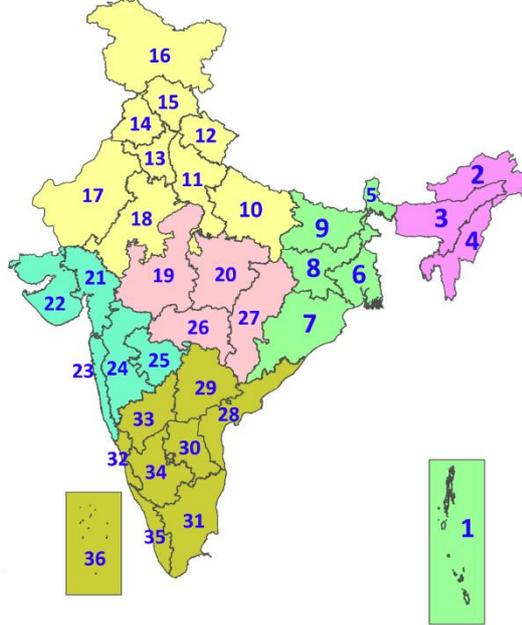
**Saurashtra & Kutch:** Rajkot, Morbi, Botad, Suremdernagar and Bahvnagar Districts

Surface runoff/ Inundation may occur at some fully saturated soils & low-lying areas over Area of Concern (AoC) as shown in map due to expected rainfall occurrence in next 24 hours.



## 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 Snow           | Cold Wave    |
| Heavy Rain           | Dust Storm           | Cold Day     |
| Very Heavy Rain      | Heat Wave            | Ground Frost |
| Extremely Heavy Rain | Warm Night           |              |
| Thunder & Lightning  | Hot Day              |              |
| Hailstorm            | Hot & Humid          |              |
| Dust Raising Winds   | Strong Surface Winds |              |

### 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

## 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)