

Wednesday, April 9, 2025
Time of Issue: 0800 hours IST
(MORNING)

ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

Significant Weather Features:

Weather Systems, Forecast and Warnings:

- ❖ The **Well-Marked Low**-pressure area over southwest and adjoining Westcentral Bay of Bengal moved northwards and lay over westcentral & adjoining southwest Bay of Bengal at 0530 hrs IST of today, the 09th April, 2025 with the associated cyclonic circulation extending upto middle tropospheric levels. It is likely to move nearly northwards during next 12 hours over westcentral Bay of Bengal, maintaining the intensity of well marked low pressure area. Thereafter, it is likely to recurve north-northeastwards and weaken gradually over central Bay of Bengal during subsequent 24 hours.
- ❖ A trough runs from southeast Uttar Pradesh to North Bangladesh in lower tropospheric levels.
- ❖ An upper air cyclonic circulation lies over Madhya Maharashtra & neighbourhood and a trough from this cyclonic circulation to south Interior Karnataka in lower tropospheric levels.
- ❖ Under the influence of these systems;
 - ✓ **Isolated to Scattered** light/moderate rainfall accompanied with **thunderstorm, lightning & gusty winds (speed 40-50 kmph)** likely over Tamilnadu, Puducherry & Karaikal, Coastal Andhra Pradesh & Yanam, Kerala & Mahe, Coastal Andhra Pradesh & Yanam, Telangana, Karnataka on 09th; East and Northeast India during 09th-12th April.
 - ✓ **Isolated Hailstorm** likely over Bihar on 09th April.
 - ✓ **Heavy rainfall** very likely at isolated places over Assam & Meghalaya on 09th & 10th; Arunachal Pradesh on 10th April.
- ❖ A fresh Western Disturbance as a trough in westerlies in middle tropospheric levels runs roughly along Long. 59°E to the north of Lat. 28°N. A trough runs from West Rajasthan to west Vidarbha in lower tropospheric levels. Under the influence of these systems:
 - ✓ **Scattered to fairly widespread** light/moderate rainfall accompanied with **thunderstorm, lightning & gusty winds (speed 40-50 kmph)** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and isolated to scattered rainfall over Himachal Pradesh and Uttarakhand during 09th-11th April and isolated rainfall over plains of Northwest India on 10th April.
 - ✓ **Isolated Hailstorm** likely over Jammu-Kashmir on 09th April.

Temperature Forecast:

- ❖ No significant change in maximum temperatures likely over Northwest India, Gujarat and Maharashtra during next 2 days and fall by 2-4°C during subsequent 4 days.
- ❖ No significant change in maximum temperatures likely over Central India during next 3 days and fall by 2-3°C during subsequent 4 days.

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

- ❖ **Heat wave conditions** very likely at some/many places over West Rajasthan on 09th April.
- ❖ **Heat wave conditions** likely at isolated to some pockets over Saurashtra & Kutch, East Rajasthan, Punjab, Haryana Chandigarh & Delhi on 09th April.
- ❖ **Heat wave conditions** very likely in isolated pockets of West Uttar Pradesh, Vidarbha on 09th; Madhya Pradesh, Gujarat Region during 09th-10th April.
- ❖ **Warm night** conditions very likely in isolated pockets of West Madhya Pradesh during 09th-10th; Rajasthan, Marathwada, Madhya Maharashtra on 09th April.
- ❖ **Hot & humid** weather is likely to prevail over Konkan & Goa, Madhya Maharashtra on 09th April.

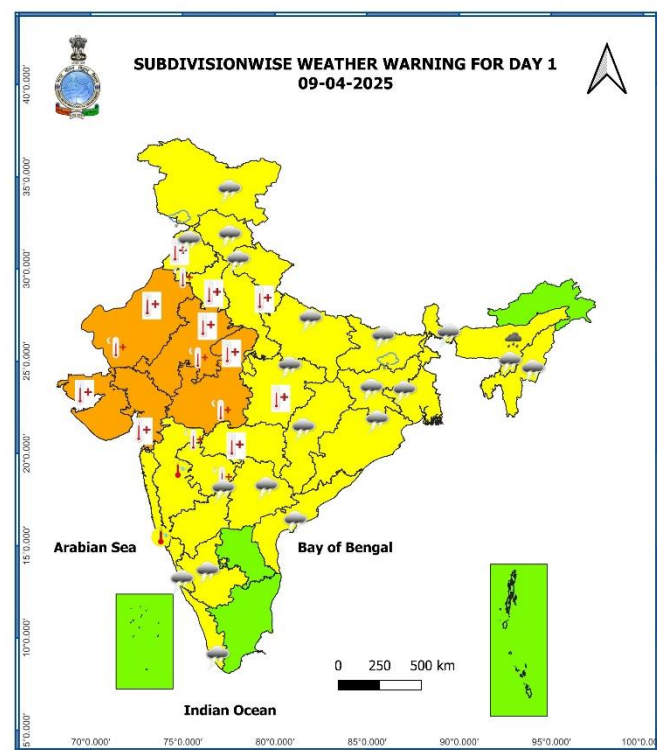
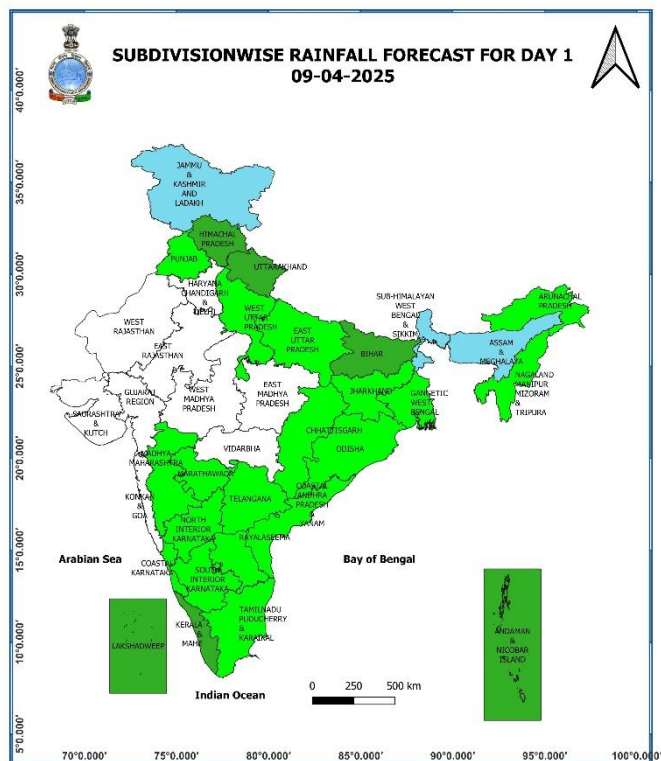
Main Weather Observations:

- ❖ **Rainfall distribution** (from 0830 hours IST to 1730 hours IST of yesterday): **at isolated places** over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, East Madhya Pradesh, Sub-Himalayan West Bengal & Sikkim, Madhya Maharashtra and Kerala & Mahe.
- ❖ **Significant amount of rainfall** (from 0830 hours IST to 1730 hours IST of yesterday) (in cm): **NIL**.
- ❖ **Yesterday, Heat wave to severe heat wave conditions** prevailed over many parts of West Rajasthan; in isolated pockets over East Rajasthan & south Haryana, Himachal Pradesh; **Heat wave conditions** prevailed over some parts of Gujarat state; in isolated pockets of West Madhya Pradesh.
- ❖ **Minimum Temperature Departures (as on 08-04-2025):** Minimum temperatures were **markedly above normal (5.1°C or more)** at many places over West Rajasthan; at isolated places over East Rajasthan, Punjab, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad; **appreciably above normal (3.1°C to 5.0°C)** at most places over West Uttar Pradesh, Himachal Pradesh, Uttarakhand, Haryana-Chandigarh-Delhi; at many places over East Uttar Pradesh; at a few places over Gujarat state; **above normal (1.6°C to 3.0°C)** at most places over Madhya Pradesh, Bihar, Jharkhand; at a few places over Chhattisgarh, Odisha, Gangetic West Bengal; at isolated places over Konkan & Goa, Madhya Maharashtra, Kerala & Mahe, Coastal Andhra Pradesh & Yanam. These were **below normal (-3.0°C to -1.6°C)** at isolated places over Telangana, Assam & Meghalaya and normal over rest parts of the country (**Fig. 4**). Yesterday, the **lowest minimum temperature of 14.0°C** was reported at **Muzaffarnagar (West Uttar Pradesh)** over the plains of the country.
- ❖ **Maximum Temperature Departures (as on 08-04-2025):** Maximum Temperatures were **markedly above normal (5.1°C or more)** at most places over West Rajasthan; at a few places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, East Rajasthan, Haryana-Chandigarh-Delhi, Punjab, Himachal Pradesh, Assam; at isolated places over Saurashtra & Kutch, West Madhya Pradesh; **appreciably above normal (3.1°C to 5.0°C)** at a few places over Gujarat Region, Madhya Pradesh, Konkan & Goa; at isolated places over West Uttar Pradesh, Madhya Maharashtra, Vidarbha, Sub-Himalayan West Bengal & Sikkim; **above normal (1.6°C to 3.0°C)** at isolated places over East Uttar Pradesh, Bihar, Jharkhand, Chhattisgarh, Gangetic West Bengal, Marathwada, Mizoram & Tripura, Coastal Andhra Pradesh & Yanam. These were **below normal (-3.0°C to -1.6°C)** at a few places over Andaman & Nicobar Islands; at isolated places over Odisha and near normal over rest parts of the country (**Fig. 2**). Yesterday, the highest **maximum temperature of 46.4°C** was reported at **Barmer (West Rajasthan)** over the country.

Meteorological Analysis (Based on 0530 hours IST)

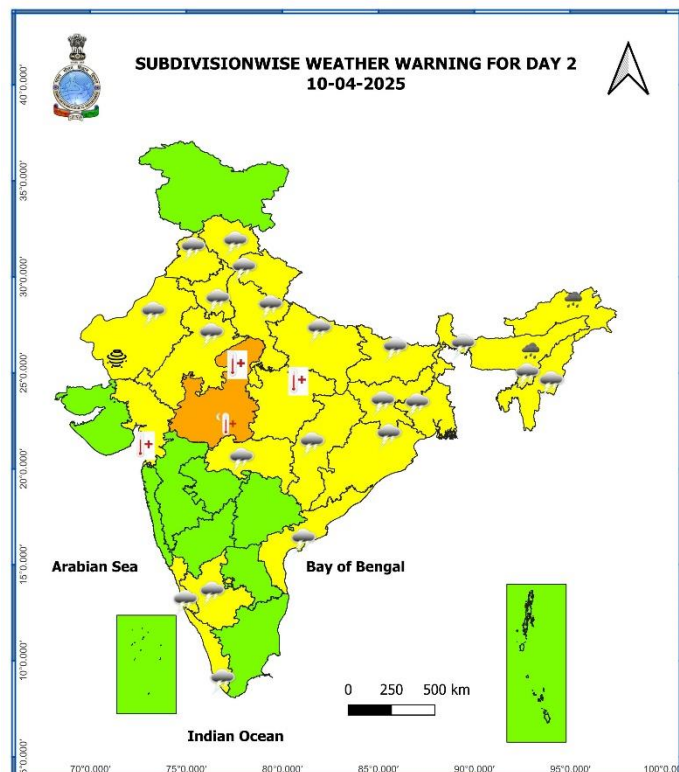
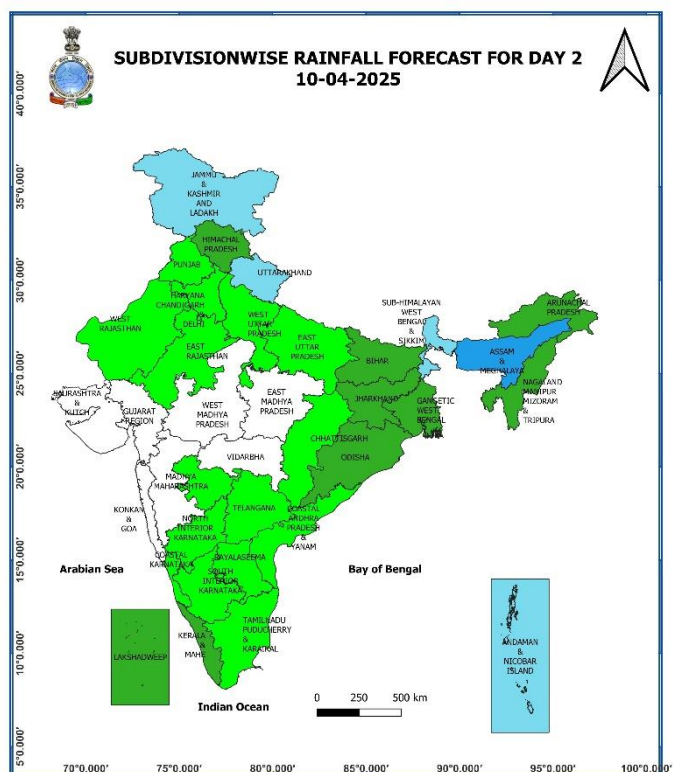
- ❖ The **Well-Marked Low**-pressure area over southwest and adjoining Westcentral Bay of Bengal moved northwards and lay over westcentral & adjoining southwest Bay of Bengal at 0530 hrs IST of today, the 09th April, 2025 with the associated cyclonic circulation extending upto middle tropospheric levels. It is likely to move nearly northwards during next 12 hours over westcentral Bay of Bengal, maintaining the intensity of well marked low pressure area. Thereafter, it is likely to recurve north-northeastwards and weaken gradually over central Bay of Bengal during subsequent 24 hours.
- ❖ The **trough** from the above cyclonic circulation over southwest Bay of Bengal to south Tamil Nadu extending upto 0.9 km above mean sea level persists.
- ❖ The **Western Disturbance** as a trough in westerlies with its axis at 5.8 km above mean sea level now runs roughly along Long. 59°E to the north of Lat. 28°N.
- ❖ The **trough** from west Rajasthan to west Vidarbha extending upto 1.5 km above mean sea level persists.
- ❖ The upper air **cyclonic circulation** over northeast Assam & neighbourhood at 3.1 km above mean sea level persists.
- ❖ The upper air **cyclonic circulation** over Madhya Maharashtra & neighbourhood at 0.9 km above mean sea level persists.
- ❖ The **trough** from above cyclonic circulation over Madhya Maharashtra to south Interior Karnataka across North Interior Karnataka at 0.9 km above mean sea level persists.
- ❖ The **trough** from southeast Uttar Pradesh to North Bangladesh across Bihar at 0.9 km above mean sea level persists.

Weather Forecast & Warnings for next 7 days (Upto 0830 hours IST of 15th April, 2025)



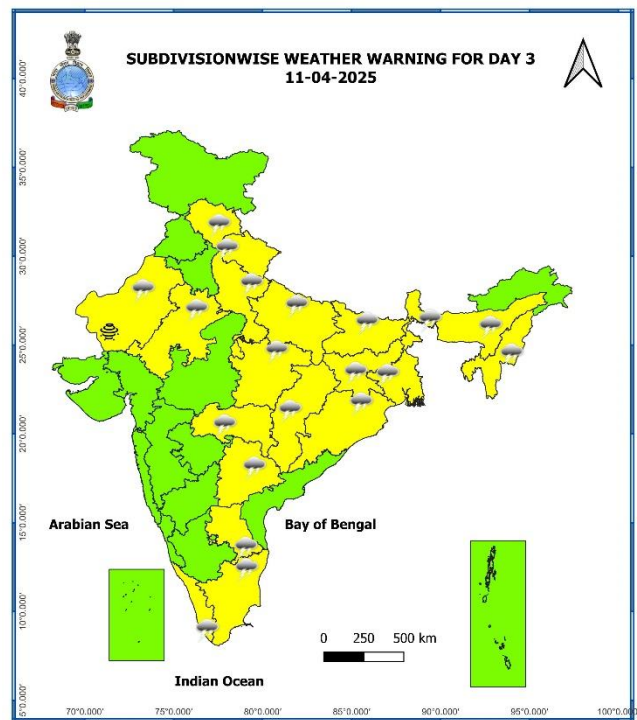
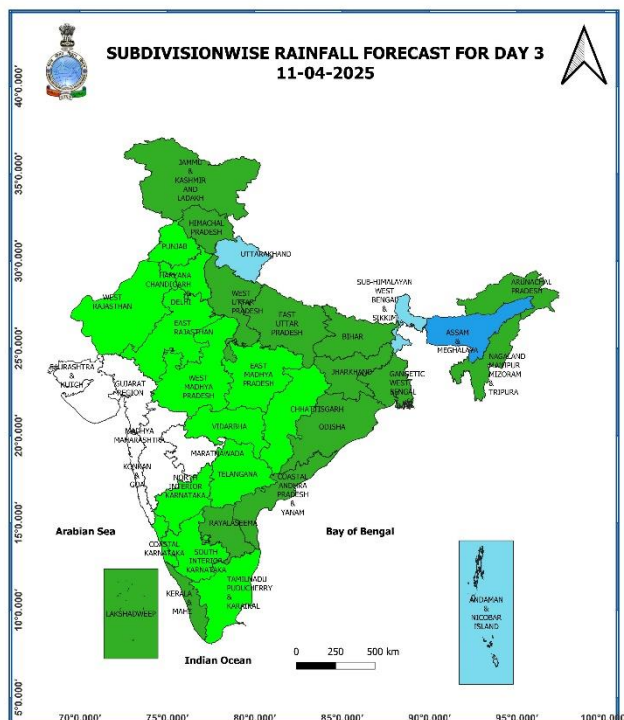
09th April (Day 1):

- ❖ **Thunderstorm accompanied with lightning & gusty winds (speed reaching 40 - 50 kmph) & hailstorm** very likely at isolated places over Bihar; **with lightning & gusty winds (speed reaching 30 - 40 kmph)** at isolated places over Sub-Himalayan West Bengal & Sikkim, Jharkhand, East Madhya Pradesh; **with lightning, gusty winds (speed reaching 30 - 40 kmph) & hailstorm** at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad; **with lightning & gusty winds (speed reaching 30 - 40 kmph)** at isolated places over Himachal Pradesh, Uttarakhand, Gangetic West Bengal, Odisha, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Chhattisgarh, Coastal Andhra Pradesh & Yanam, Telangana, Karnataka; **with lightning** at isolated places over Punjab, East Uttar Pradesh, Kerala & Mahe.
- ❖ **Heat wave at some places with severe Heat wave conditions** very likely in isolated pockets over Rajasthan; Heat wave to severe Heat wave **conditions** in some parts of Punjab & Haryana-Chandigarh-Delhi; **Heat wave conditions** in isolated pockets of Vidarbha, Gujarat state.
- ❖ **Hot and humid weather** very likely in isolated pockets of Konkan & Goa, Madhya Maharashtra.
- ❖ **Warm night conditions** very likely to prevail in isolated pockets over Rajasthan, West Madhya Pradesh, Madhya Maharashtra, Marathwada.
- ❖ **squally weather with wind speed 35 kmph to 45 kmph gusting to 55 kmph** likely to prevail over many parts of westcentral bay of Bengal and adjoining parts. **Squally wind with wind speed 45 kmph to 50 kmph gusting to 55 kmph** likely to prevail over south Gujarat and adjoining north Maharashtra coasts. fishermen are advised not to venture into these areas.



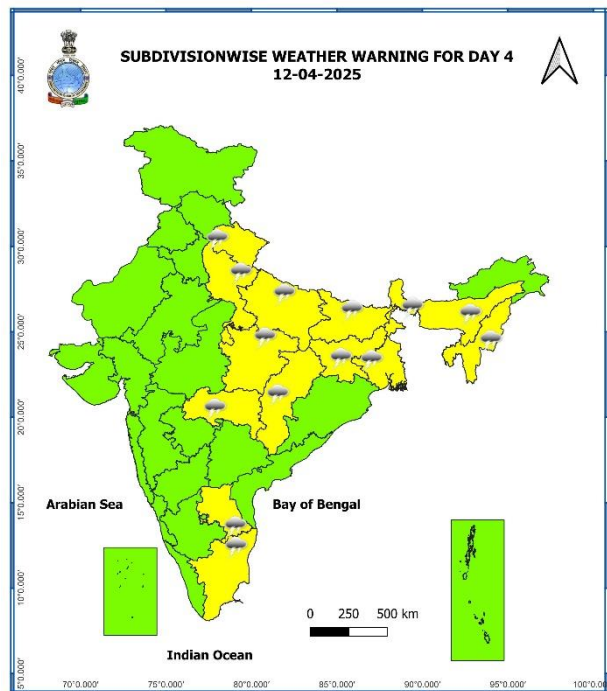
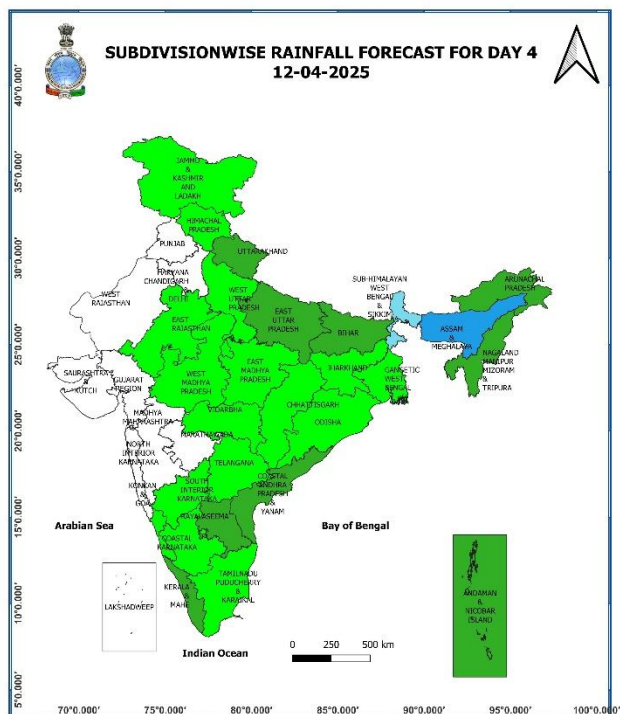
10th April (Day 2):

- ❖ **Thunderstorm accompanied with lightning, gusty winds (speed reaching 40 - 50 kmph) very likely** at isolated places over Haryana-Chandigarh-Delhi, Rajasthan, Gangetic West Bengal, Bihar, Jharkhand, Odisha; **with lightning & gusty winds (speed reaching 30 - 40 kmph)** at isolated places over Himachal Pradesh, Uttarakhand, Punjab, Sub-Himalayan West Bengal & Sikkim, Chhattisgarh, Vidarbha, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Coastal Andhra Pradesh & Yanam; **with lightning** at isolated places over Uttar Pradesh, Kerala & Mahe, Coastal Karnataka, South Interior Karnataka.
- ❖ **Heat wave conditions very likely** in isolated pockets over Madhya Pradesh and Gujarat state.
- ❖ **Warm night conditions** very likely to prevail in isolated pockets over West Madhya Pradesh.
- ❖ **Squally weather with wind speed 35 kmph to 45 kmph gusting to 55 kmph** likely to prevail over gulf of Mannar, along and off south Tamil Nadu coast, over southwestern parts of southwest bay of banal, along and off south Sri Lanka coast. **Squally wind with wind speed 45 kmph to 50 kmph gusting to 55 kmph** likely to prevail over south Gujarat and adjoining north Maharashtra coasts. fishermen are advised not to venture into these areas.



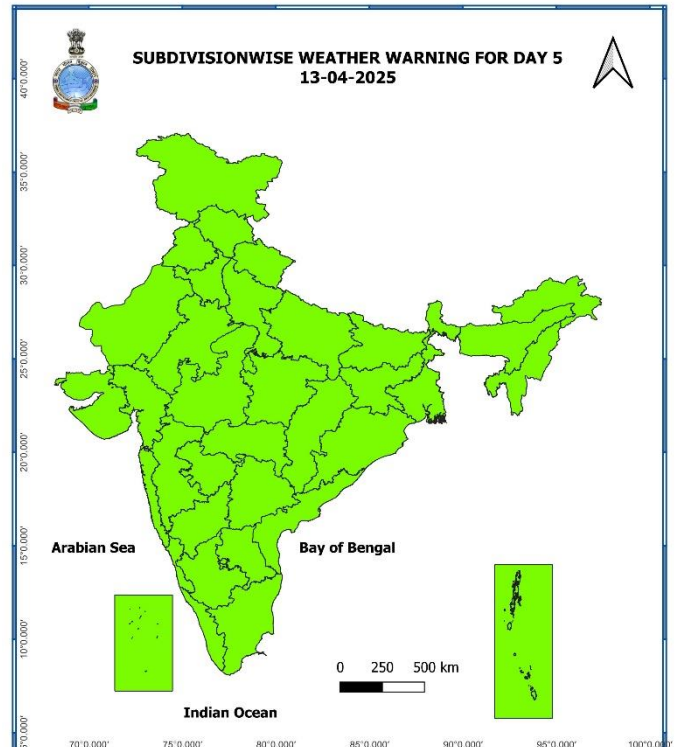
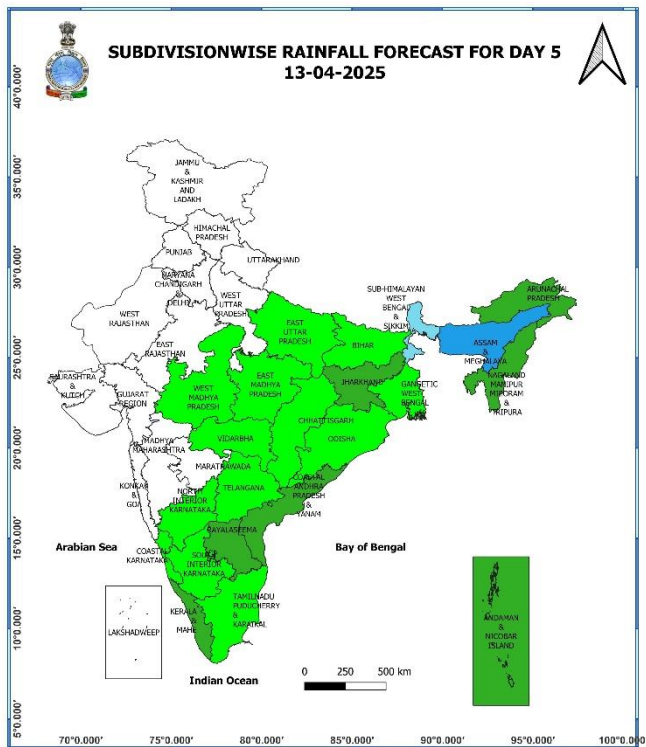
11th April (Day 3):

- ❖ **Thunderstorm accompanied with lightning & gusty winds (speed reaching 40 - 50 kmph)** likely at isolated places over Gangetic West Bengal, Odisha, Assam & Meghalaya; **with lightning & gusty winds (speed reaching 30 - 40 kmph)** at isolated places over Himachal Pradesh, Uttarakhand, Rajasthan, East Madhya Pradesh, Vidarbha, Sub-Himalayan West Bengal & Sikkim, Jharkhand, Bihar, Nagaland, Manipur, Mizoram & Tripura, Telangana, Rayalaseema; **with lightning** at isolated places over Uttar Pradesh, Chhattisgarh, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe.
- ❖ **Squally weather with wind speed 35 kmph to 45 kmph gusting to 55 kmph** likely to prevail over gulf of Mannar, along and off Tamil Nadu coast, along and off Sri Lanka coast and adjoining southwest bay of Bengal. **Squally wind with wind speed 45 kmph to 50 kmph gusting to 55 kmph** likely to prevail along and off Oman coast and adjoining westcentral and northwest Arabian sea. fishermen are advised not to venture into these areas.



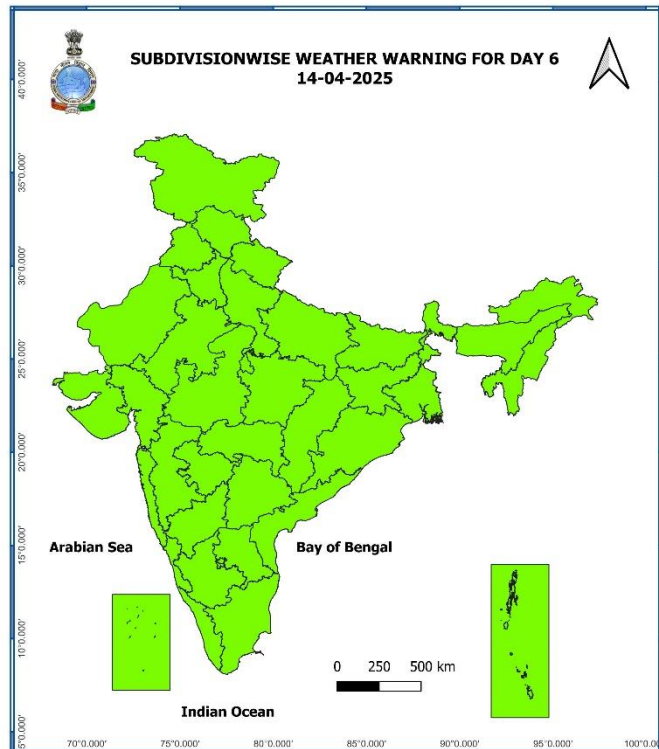
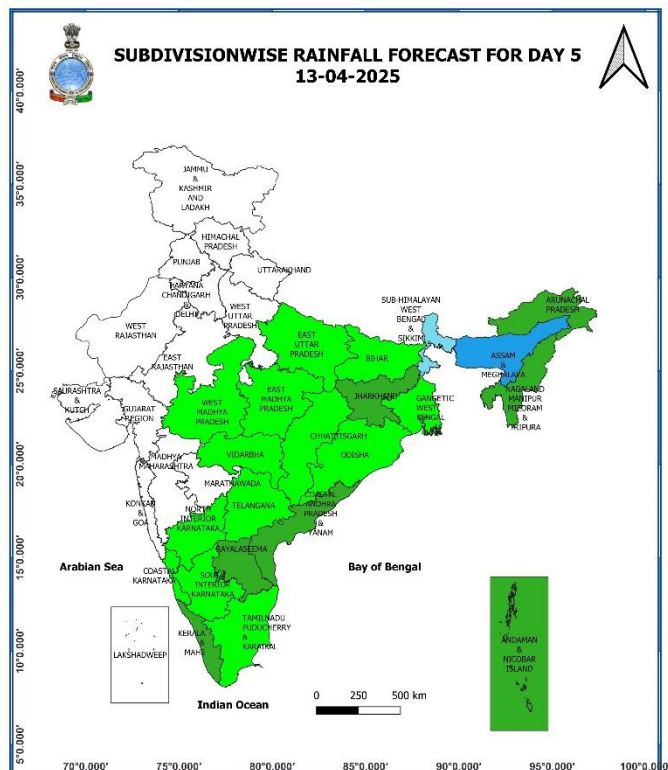
12th April (Day 4):

- ❖ **Thunderstorm accompanied with lightning & gusty winds (speed reaching 30 - 40 kmph)** likely at isolated places over Uttarakhand, East Madhya Pradesh, Vidarbha, West Bengal & Sikkim, Bihar, Jharkhand, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Rayalaseema; with lightning at isolated places over Uttar Pradesh, Chhattisgarh, Tamil Nadu, Puducherry & Karaikal.
- ❖ **Squally weather with wind speed 35 kmph to 45 kmph gusting to 55 kmph** likely to prevail over gulf of Mannar, along and off Tamil Nadu coast. **Squally wind with wind speed 45 kmph to 50 kmph gusting to 55 kmph** likely to prevail along and off Oman coast and adjoining westcentral and northwest Arabian sea. fishermen are advised not to venture into these areas.



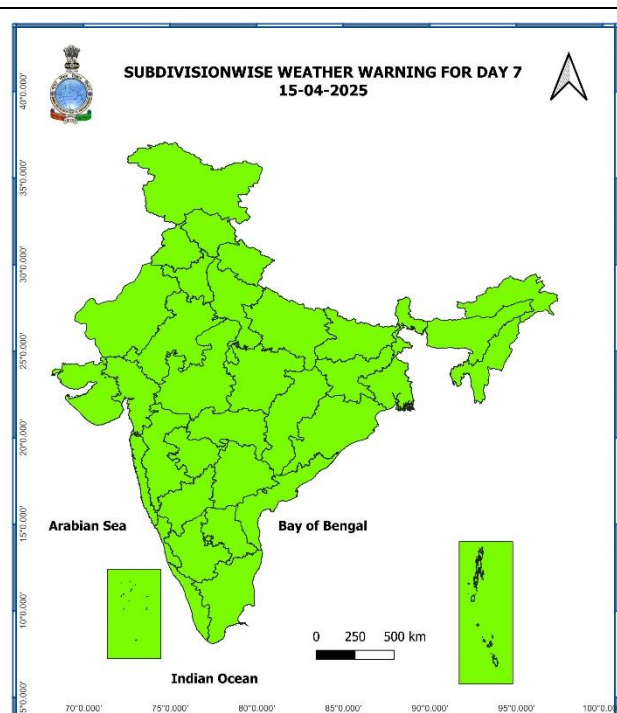
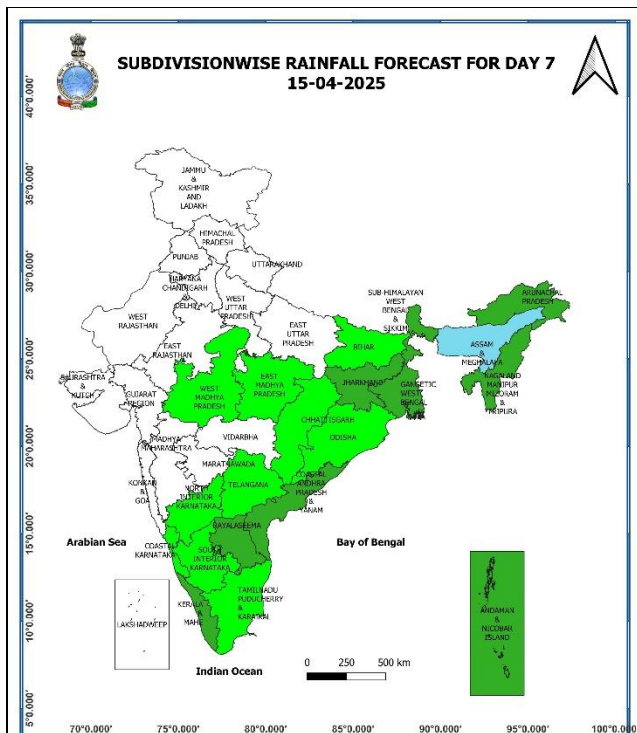
13th April (Day 5):

❖ **No weather warning.**



14th April (Day 6):

❖ No weather warning.



15th April (Day 7):

❖ **No weather warning.**

Weather Outlook for subsequent 3 days (During 16th April- 18th April, 2025)

❖ **Isolated to scattered rainfall** likely over East & Northeast India, south peninsular India.

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

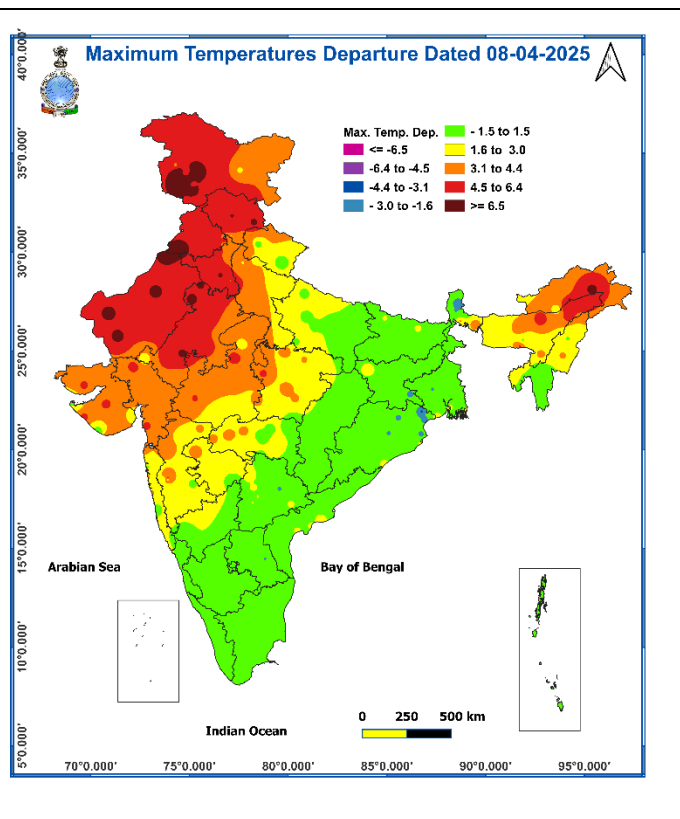
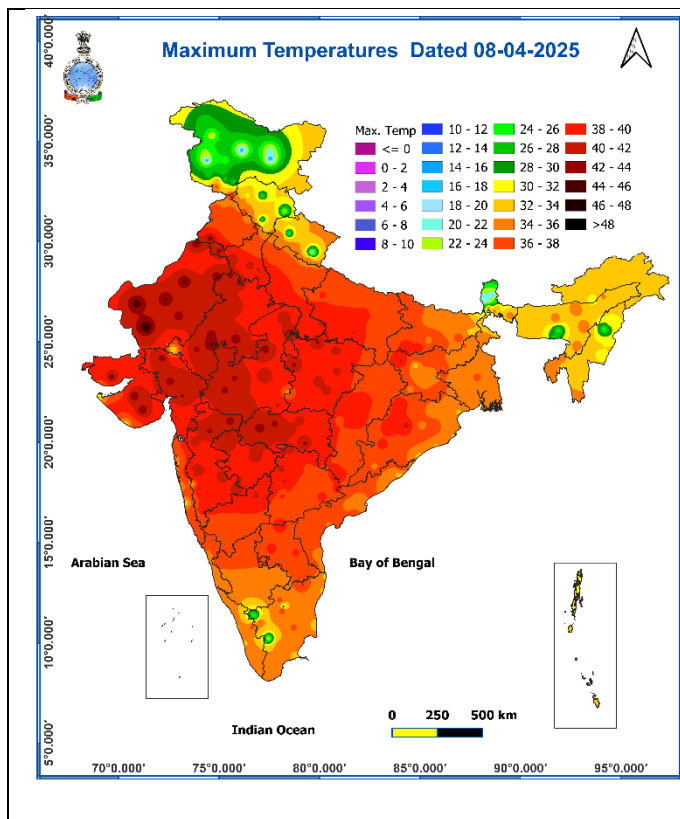
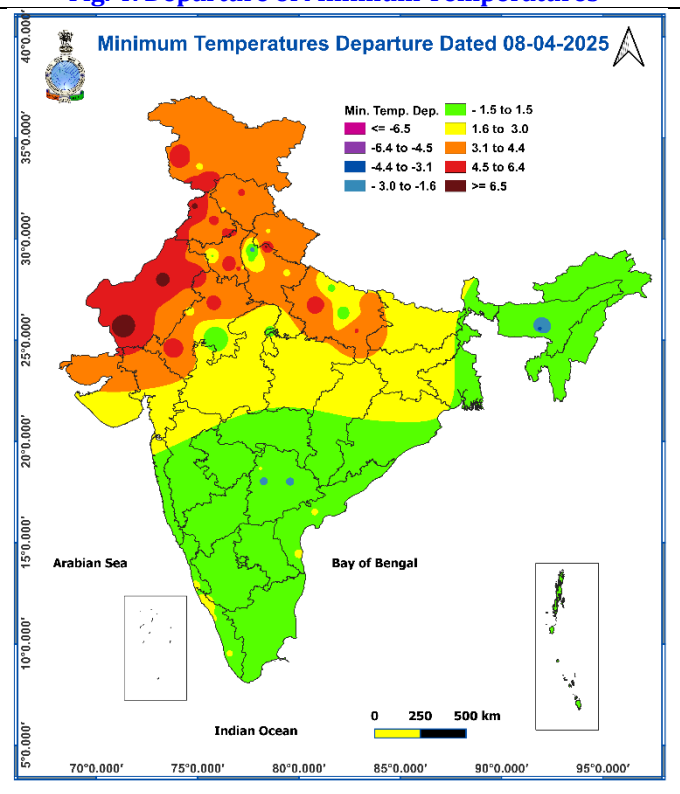
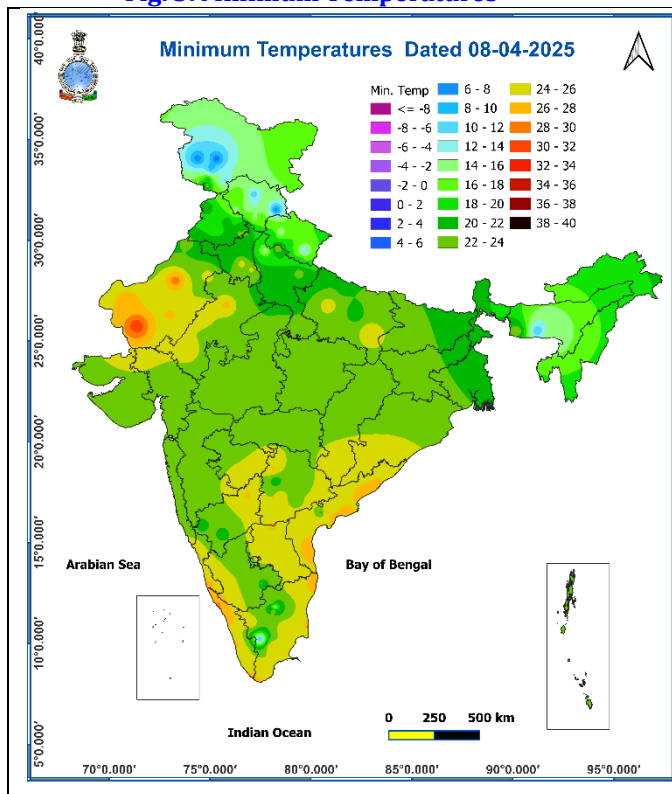


Fig. 3: Minimum Temperatures

Fig. 4: Departure of Minimum Temperatures



Impact expected and action suggested due to Heat wave to severe heat wave conditions likely at isolated to some pockets over Gujarat state, Rajasthan on 09th April.

Red alert Areas

- Very high likelihood of developing heat illness and heat stroke in all ages.
- Extreme care needed for vulnerable people.

Orange 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.

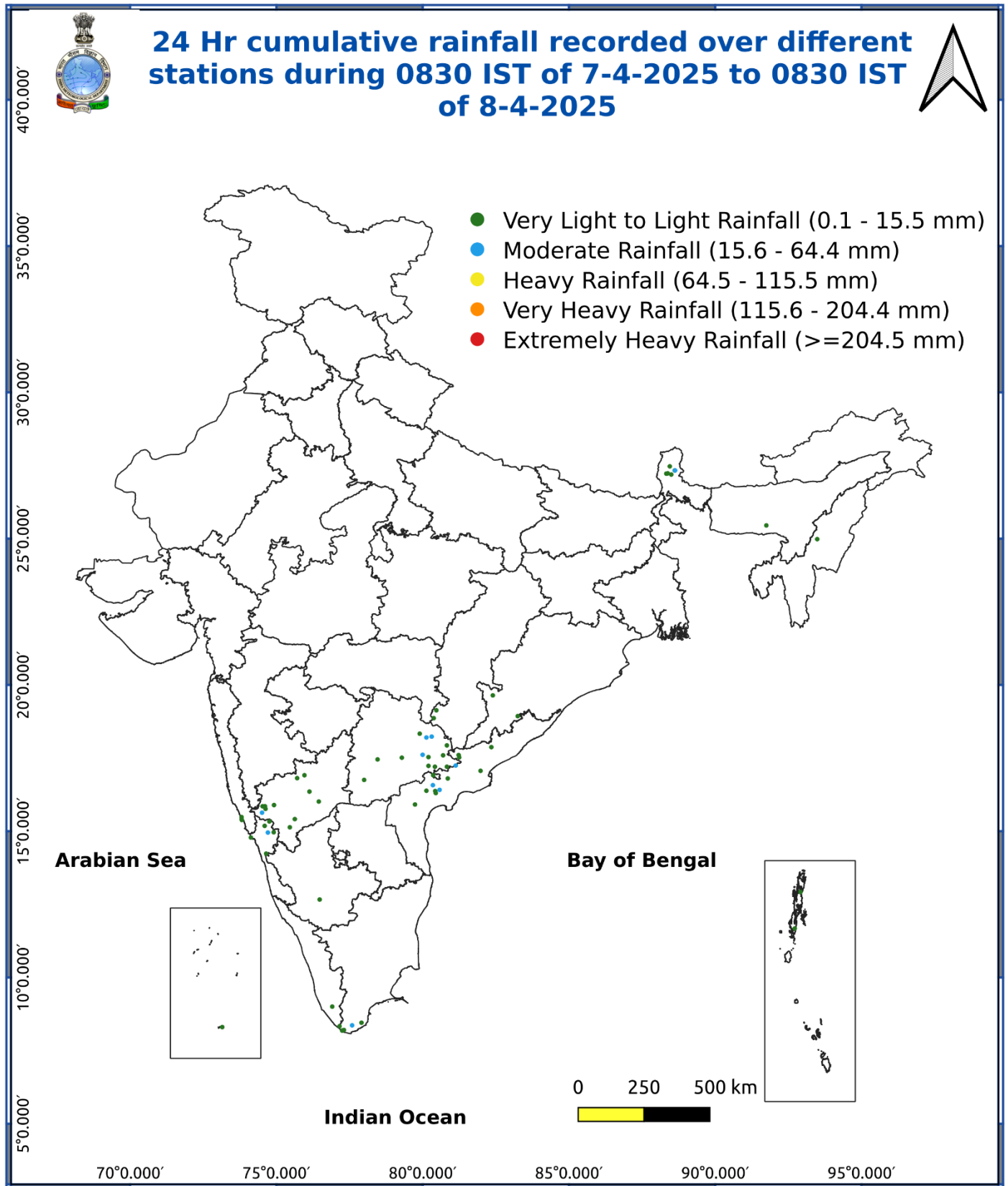
Yellow alert Areas

- Moderate temperature & heat is tolerable for general public but moderate health concern likely for vulnerable people e.g. infants, elderly, people with chronic diseases.
- Avoid heat exposure.
- Wear lightweight, light colour, loose, cotton clothes.
- Cover your head, use a cloth, hat or umbrella.

Agromet advisories for likely impact of Hailstorm / Heavy Rainfall / Gusty Winds / Heatwave

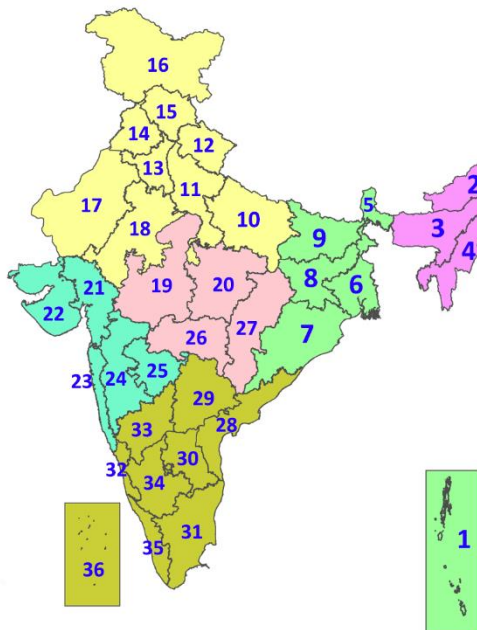
- In **Jammu & Kashmir and Bihar**, immediately harvest the matured crops, fruits and vegetables and shift the harvested produce in safer places or cover the produce with tarpaulin sheets in the fields to avoid the adverse impact of likely hailstorm. Use hail net and hail caps to prevent mechanical damage in orchards due to hailstorms.
- In **Arunachal Pradesh and Meghalaya**, immediately harvest the matured crops, fruits and vegetables and shift the harvested produce in safer places or cover the produce with tarpaulin sheets in the fields. Also make provision to drain out excess water from standing crop and vegetable fields.
- In **Himachal Pradesh, Punjab, Haryana, West Uttar Pradesh, Rajasthan, Madhya Pradesh, Vidarbha and Gujarat State**, apply light and frequent irrigation to standing crops in the evening to protect them from heat waves.
- 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.

Fig. 5: Accumulated Rainfall (mm) during past 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 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°C to 6.4°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°C

Warm Night: When minimum temperature departure 4.5°C to 6.4°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°C to -6.4°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°C to -6.4°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)

Hot and Humid: When maximum temperatures remains 3°C above normal along with the above normal relative humidity.