

Saturday, March 8, 2025  
Time of Issue: 0800 hours IST  
(MORNING)

## ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

### Significant Weather Features:

#### Weather Systems, Forecast and warning

- ❖ A fresh **Western Disturbance** is likely to affect Western Himalayan region from 09<sup>th</sup> March, 2025. Under its influence;
  - ✓ **Scattered to fairly widespread** light/moderate rainfall/snowfall likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 09<sup>th</sup> - 13<sup>th</sup> and **Isolated to Scattered** light/moderate rainfall/snowfall likely over Himachal Pradesh during 09<sup>th</sup> - 13<sup>th</sup> and Uttarakhand during 10<sup>th</sup> -13<sup>th</sup> March. **Isolated** light/moderate rainfall likely over Punjab on 12<sup>th</sup> & 13<sup>th</sup> March.
- ❖ **Isolated to Scattered** light/moderate rainfall accompanied with **thunderstorm & lightning** likely over Tamilnadu Puducherry & Karaikal and Kerala & Mahe on 10<sup>th</sup> & 11<sup>th</sup>; Lakshadweep and South Interior Karnataka on 11<sup>th</sup> March with isolated **heavy rainfall** over Tamilnadu Puducherry & Karaikal on 11<sup>th</sup> March.
- ❖ **Isolated to Scattered light/moderate rainfall/snowfall** accompanied with **thunderstorm and lightning** likely over Arunachal Pradesh on 08<sup>th</sup>; **Isolated to Scattered light/moderate rainfall** accompanied with **thunderstorm and lightning** over Assam & Meghalaya, Sikkim on 08<sup>th</sup> March.

#### Temperature Forecast:

##### Forecast of temperature:

##### Maximum temperature:

- ❖ Gradual rise in maximum temperatures by 2-4°C likely over Northwest & Central India during next 3-4 days and no significant change thereafter.
- ❖ Gradual rise in maximum temperatures by 3-5°C likely over East & West India during next 4-5 days.
- ❖ No significant change in maximum temperatures likely over rest parts of the country.

#### Hot & Humid weather warning:

- ❖ **Hot and humid weather** very likely to prevail over Konkan & Goa, Coastal Andhra Pradesh & Yanam and Coastal Karnataka on 08<sup>th</sup>; Gujarat Region during 09<sup>th</sup> -11<sup>th</sup>; Kerala & Mahe on 08<sup>th</sup> & 09<sup>th</sup> March.

#### Heat Wave Warning:

- ❖ **Heat wave** very likely to prevail over Konkan & Goa during 09<sup>th</sup> - 11<sup>th</sup> and Madhya Maharashtra on 11<sup>th</sup> March.

#### Fishermen Warnings:

- ❖ Fishermen are advised not to venture into many parts of southwest Bay of Bengal and along and off Sri Lanka coast, Gulf of Mannar and adjoining Comorin area, along and off south Tamil Nadu coast on 11<sup>th</sup> March.

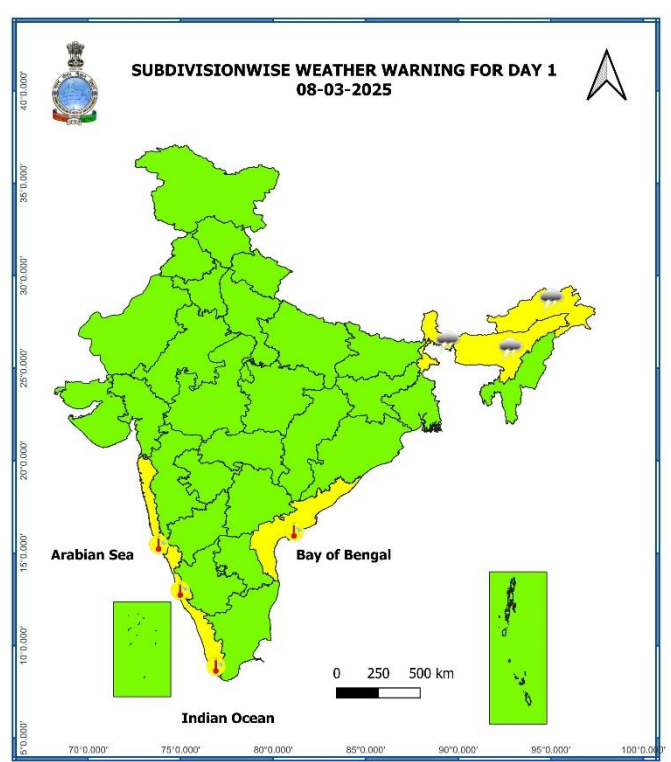
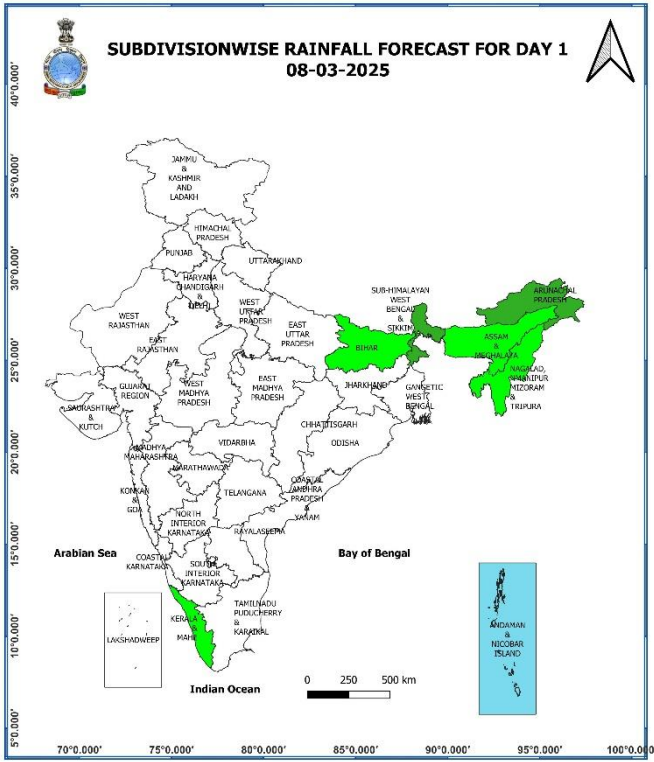
## Main Weather Observations:

- ❖ **Rainfall distribution** (from 0830 hours IST to 1730 hours IST of yesterday): at isolated places over Sub-Himalayan West Bengal & Sikkim.
- ❖ **Significant amount of rainfall** (from 0830 hours IST to 1730 hours IST of yesterday) (in cm): **NIL**.
- ❖ **Minimum Temperature Departures (as on 07-03-2025)**: Minimum temperatures were **above normal (1.6°C to 3.0°C)** at isolated places over Coastal Karnataka and Kerala & Mahe. These were **markedly below normal (-5.1°C or less)** at isolated places over East Madhya Pradesh, Chhattisgarh, Odisha, Bihar, Gangetic West Bengal, Telangana, Rayalaseema and Vidarbha; **appreciably below normal (-3.1°C -5.0°C)** at many places over Marathwada; at a few places over Haryana-Chandigarh-Delhi and Jharkhand; at isolated places over Uttar Pradesh, West Madhya Pradesh, North Interior Karnataka; **below normal (-3.0°C to -1.6°C)** at most places over East Rajasthan; at many places over Arunachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Uttarakhand, Punjab, West Rajasthan, Madhya Maharashtra; at a few places over Arunachal Pradesh, Himachal Pradesh, West Rajasthan, and Coastal Andhra Pradesh & Yanam; at isolated places over Sub-Himalayan West Bengal & Sikkim, Nagaland, Manipur, Mizoram & Tripura, Gujarat Region, South Interior Karnataka and Tamil Nadu, Puducherry & Karaikal and near normal over rest parts of the country (**Fig. 4**). Yesterday, the **lowest minimum temperature of 7.9°C** was reported **Ambikapur (Chhattisgarh)** over the plains of the country.
- ❖ **Maximum Temperature Departures (as on 07-03-2025)**: Maximum temperatures were **markedly above normal (5.0°C or more)** at isolated places over Konkan & Goa; **appreciably above normal (3.1°C to 5.0°C)** at many places over Saurashtra & Kutch; at a few places over Rajasthan, Gujarat Region and Coastal Karnataka; at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and West Madhya Pradesh; **above normal (1.6°C to 3.0°C)** at a few places over Himachal Pradesh, Madhya Maharashtra, Interior Karnataka, Telangana and Tamil Nadu, Puducherry & Karaikal; at isolated places over Uttarakhand, East Madhya Pradesh, Marathwada, Vidarbha, Odisha, Gangetic West Bengal and Coastal Andhra Pradesh & Yanam. These were **appreciably below normal (-3.1°C -5.0°C)** at isolated places over East Uttar Pradesh and Bihar; **below normal (-3.0°C to -1.6°C)** at a few places over Jharkhand; at isolated places over Nagaland, Manipur, Mizoram & Tripura and Andaman & Nicobar Islands and near normal over rest parts of the country (**Fig. 2**). Yesterday, the highest **maximum temperature of 41.2°C** was reported at **Yavatmal (Vidarbha)** over the country.

## Meteorological Analysis (Based on 0530 hours IST)

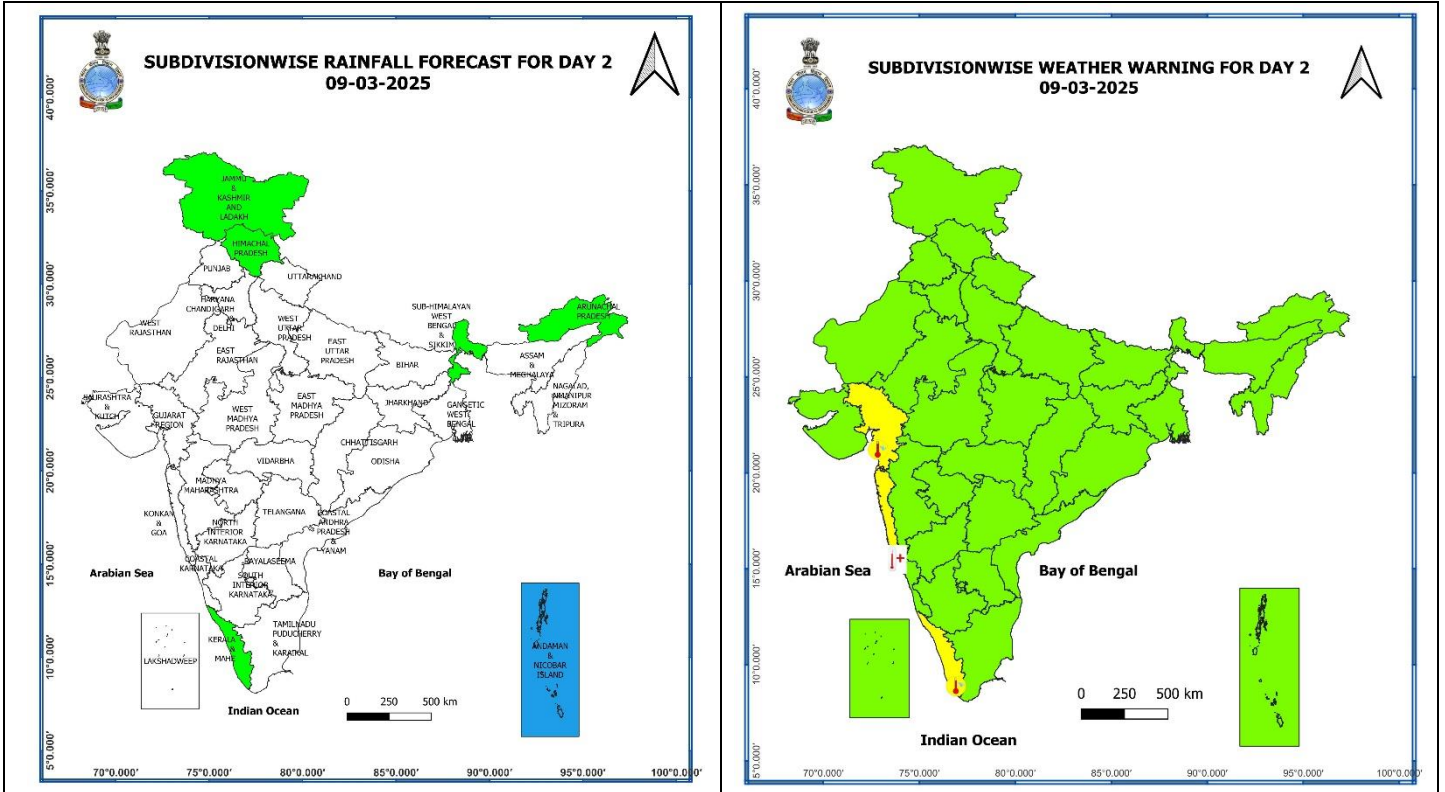
- ❖ A cyclonic circulation lies over northeast Assam & neighbourhood at 1.5 km above mean sea level.
- ❖ A fresh **Western Disturbance** is likely to affect Western Himalayan region from 09th March, 2025.
- ❖ The **trough** roughly along Long. 90°E to the north of Lat. 25°N extending upto 1.5 km above mean sea level has become less marked.

**Weather Forecast & Warnings for next 7 days (Upto 0830 hours IST of 15<sup>th</sup> March, 2025)**



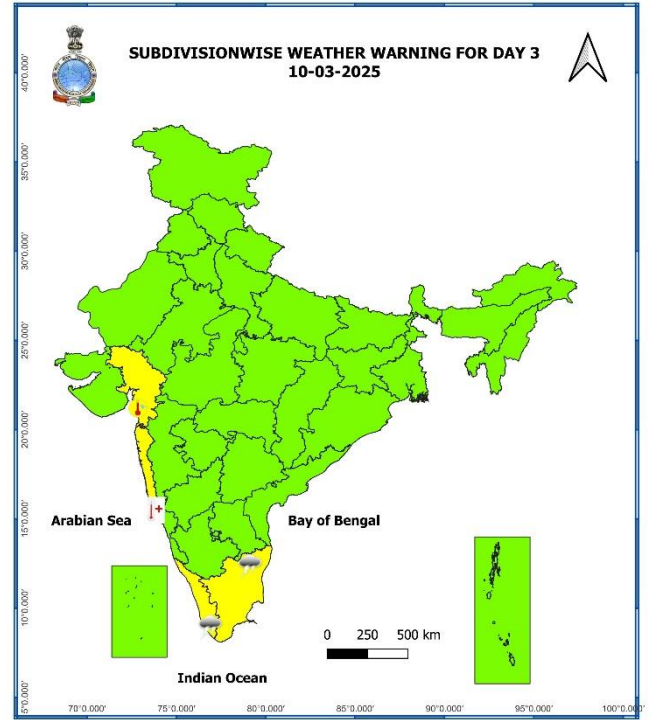
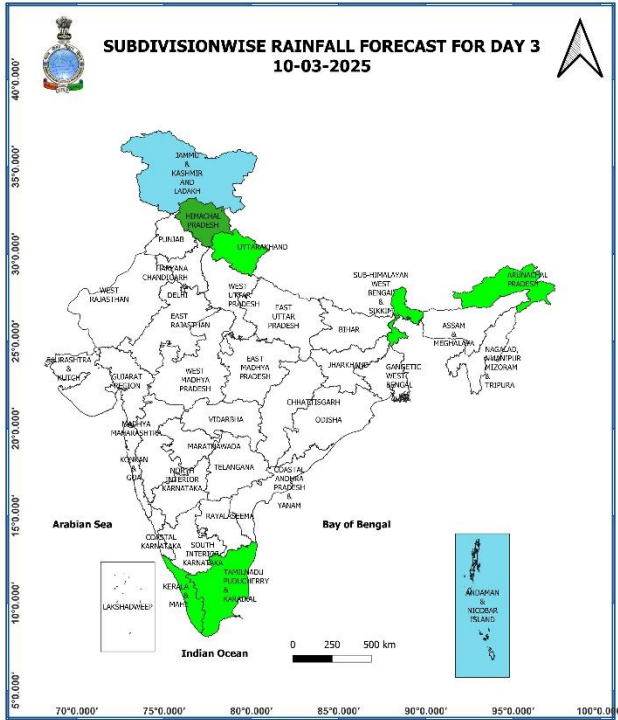
**08<sup>th</sup> March (Day 1):**

- ❖ **Thunderstorm accompanied with lightning very likely** at isolated places over Arunachal Pradesh, Assam & Meghalaya and Sikkim.
- ❖ **Hot and Humid condition** very likely at isolated places over Konkan & Goa, Kerala & Mahe, Coastal Andhra Pradesh & Yanam and Coastal Karnataka.



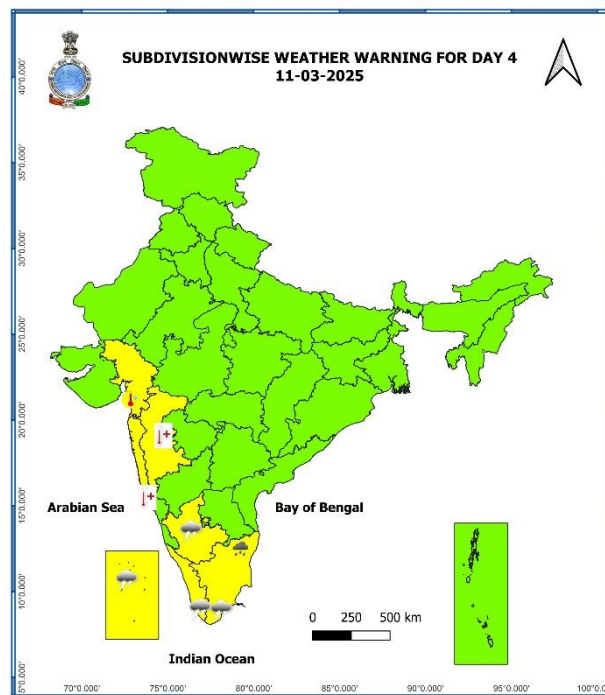
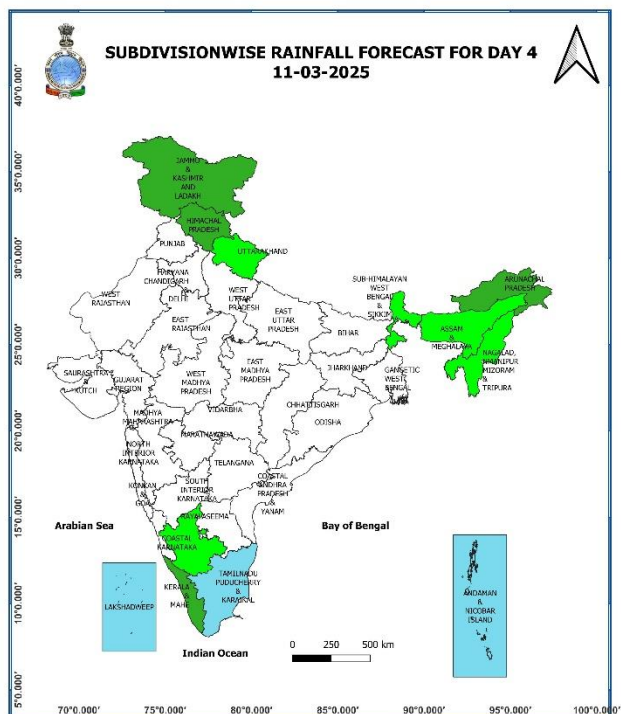
**09<sup>th</sup> March (Day 2):**

- ❖ **Heat Wave Condition** very likely at isolated places over Konkan & Goa.
- ❖ **Hot and Humid condition** very likely at isolated places over Gujarat Region and Kerala & Mahe.



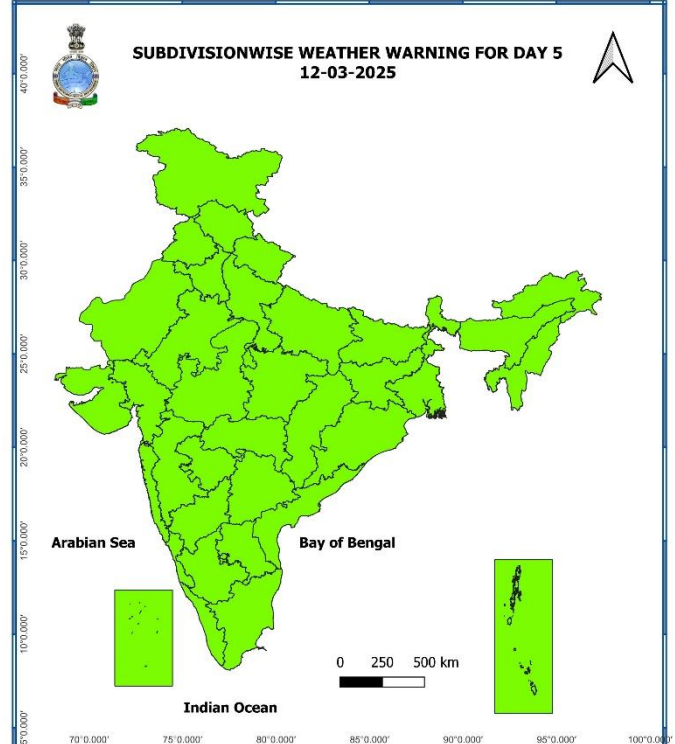
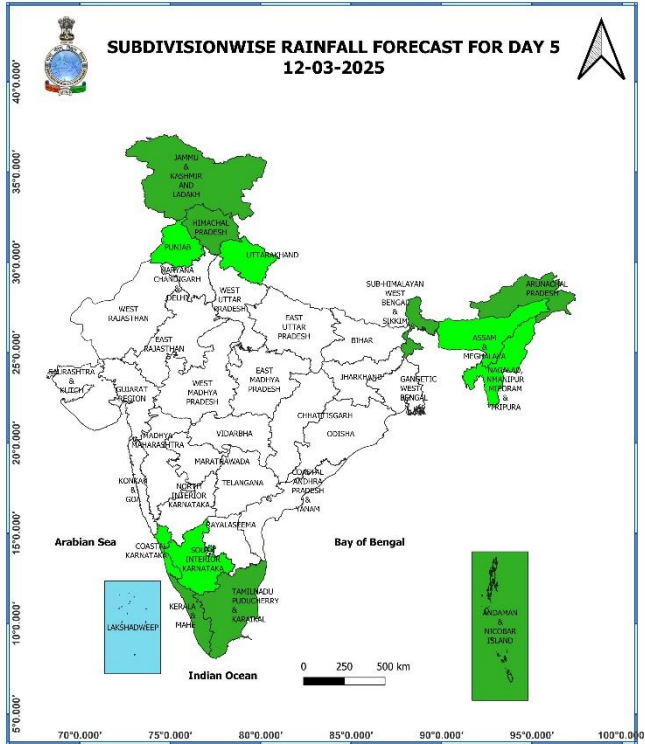
**10<sup>th</sup> March (Day 3):**

- ❖ **Thunderstorm accompanied with lightning** likely at isolated places over Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.
- ❖ **Heat Wave Condition** likely at isolated places over Konkan & Goa.
- ❖ **Hot and Humid condition** likely at isolated places over Gujarat Region.



### 11<sup>th</sup> March (Day 4):

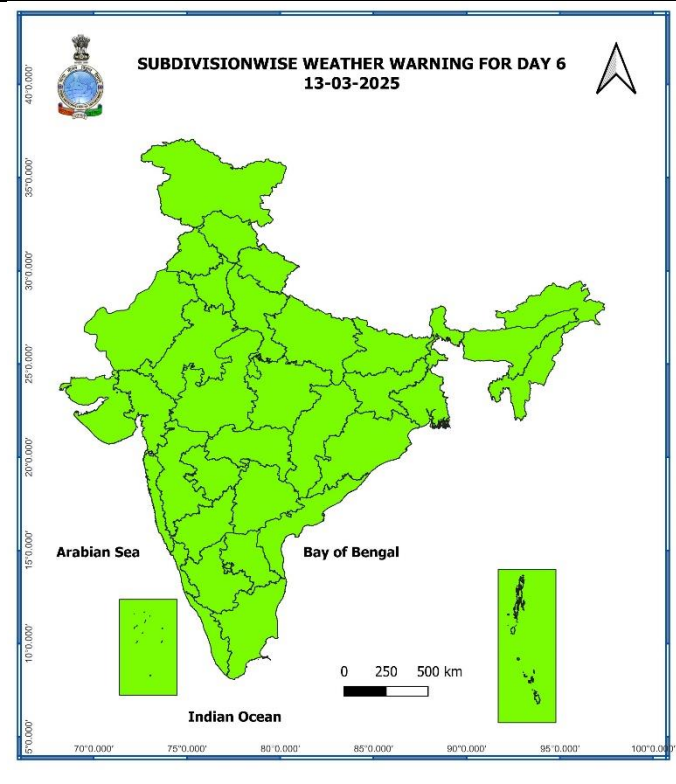
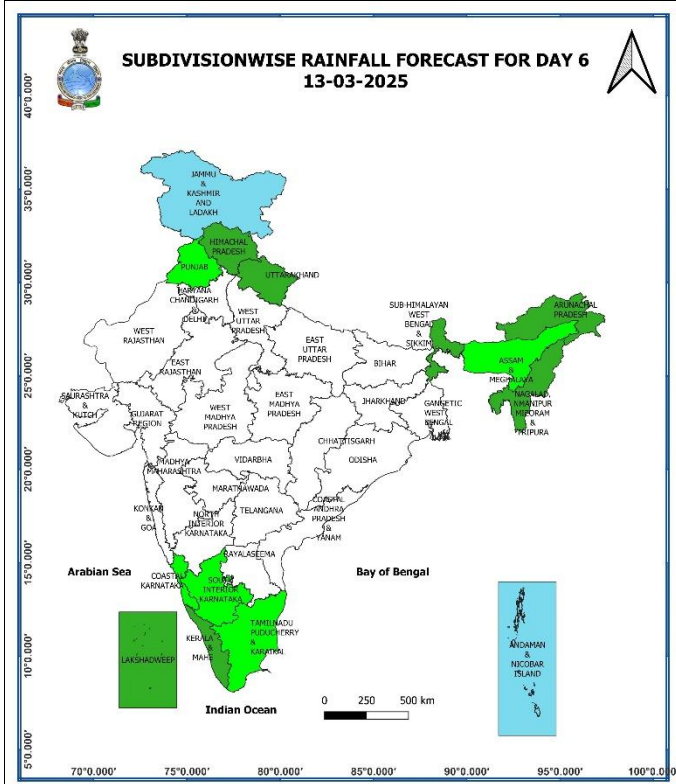
- ❖ **Heavy rainfall** likely at isolated places over Tamil Nadu, Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with lightning** likely at isolated places over Tamil Nadu, Puducherry & Karaikal, Lakshadweep, South Interior Karnataka and Kerala & Mahe.
- ❖ **Heat Wave Condition** likely at isolated places over Konkan & Goa and Madhya Maharashtra.
- ❖ **Hot and Humid condition** likely at isolated places over Gujarat Region.
- ❖ **Squally weather with wind speed 35 kmph to 45 kmph gusting to 55 kmph** likely to prevailing over many parts of southwest Bay of Bengal and along and off Sri Lanka coast, Gulf of Mannar and adjoining Comorin area, along and off south Tamil Nadu coast.



**12<sup>th</sup> March (Day 5):**

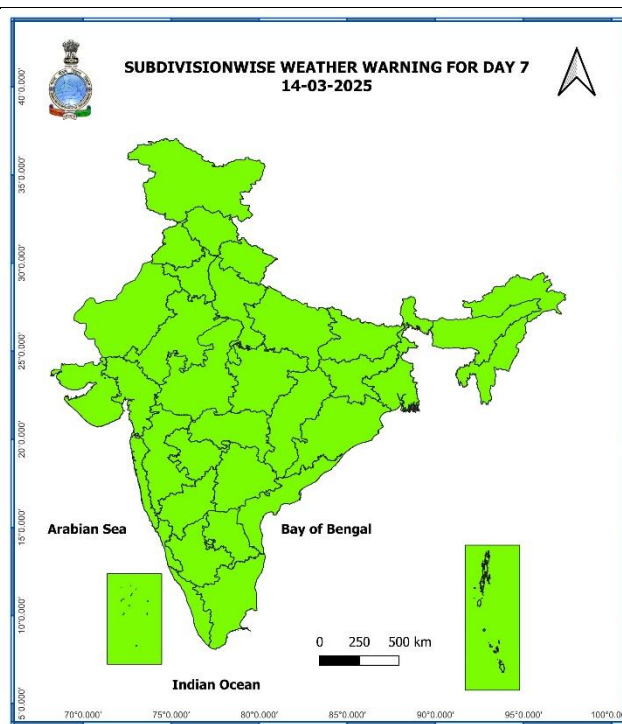
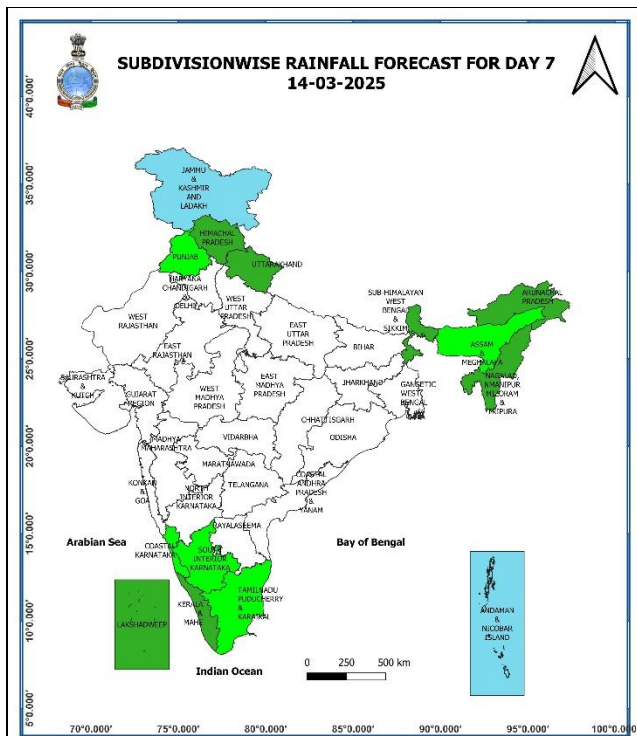
❖ **No Weather Warning.**





**13<sup>th</sup> March (Day 6):**

❖ **No Weather Warning.**



### 14<sup>th</sup> March (Day 7):

❖ **No Weather Warning.**

### Weather Outlook for subsequent 3 days (During 15<sup>th</sup> March- 17<sup>th</sup> March, 2025)

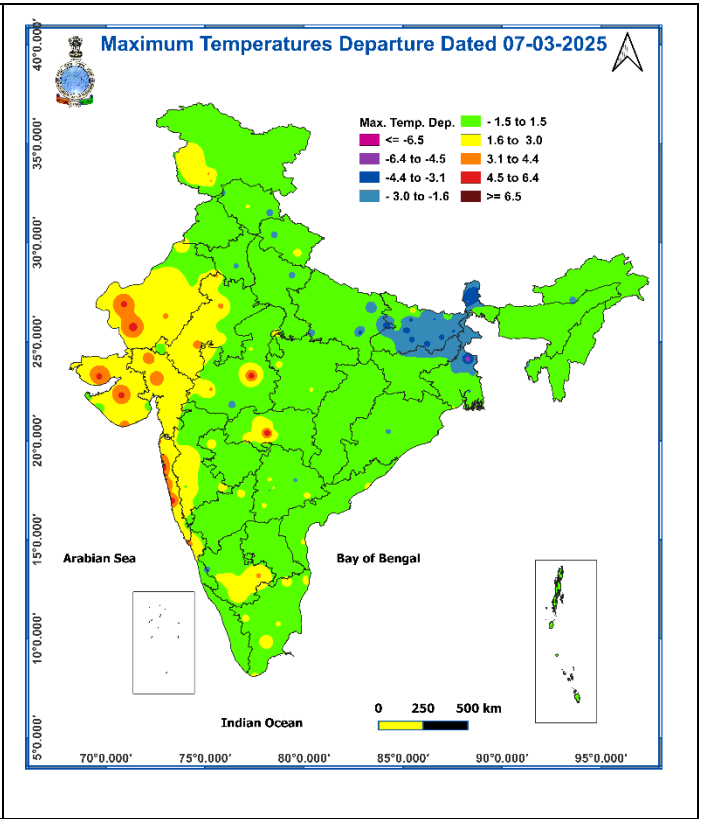
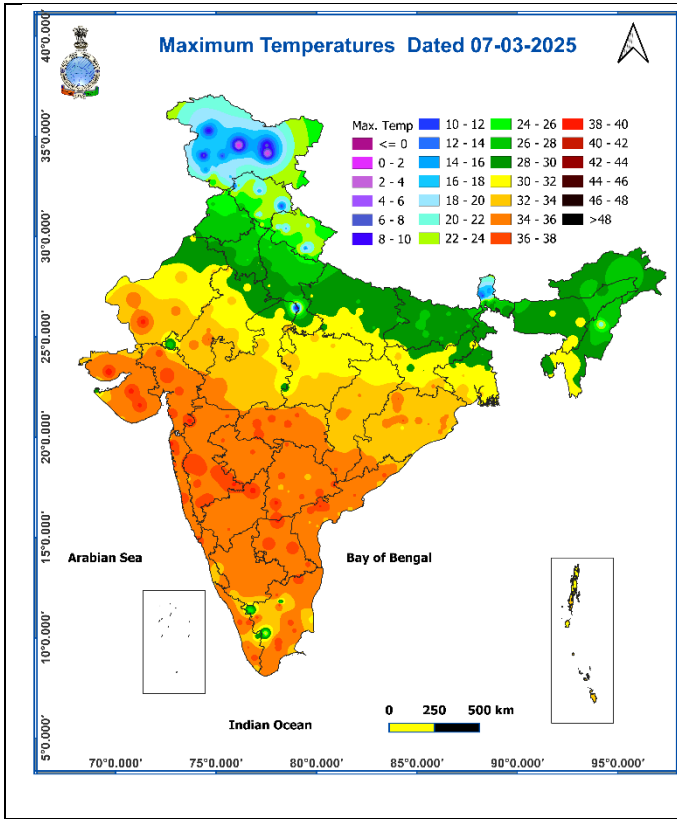
- ❖ **Scattered to fairly widespread rainfall/snowfall** likely over Western Himalayan region.
- ❖ **Isolated to scattered rainfall** likely over Arunachal Pradesh, Northeast Assam, Nagaland, Manipur, Mizoram & Tripura, Kerala & Mahe, Tamil Nadu, Puducherry & Karaikal, Lakshadweep and Andaman & Nicobar 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**

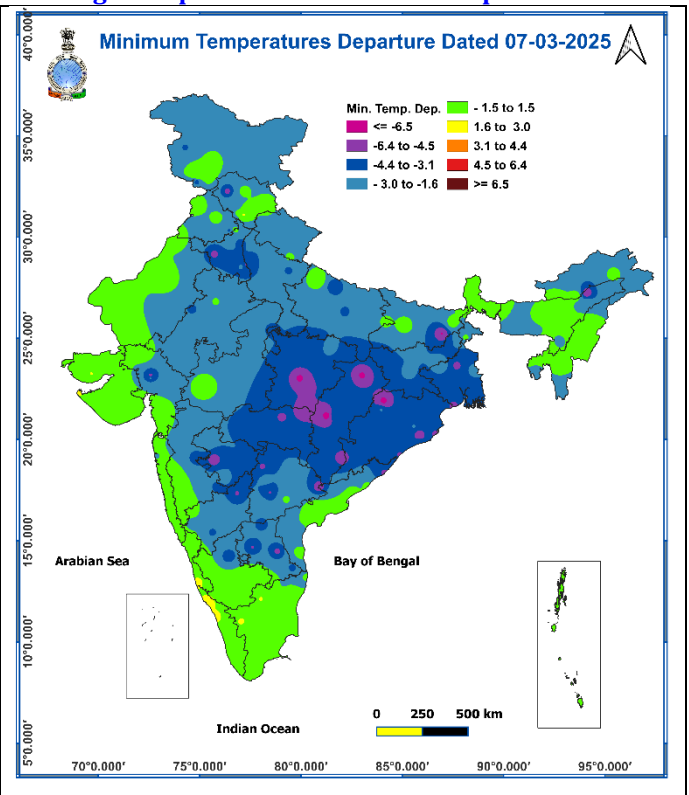
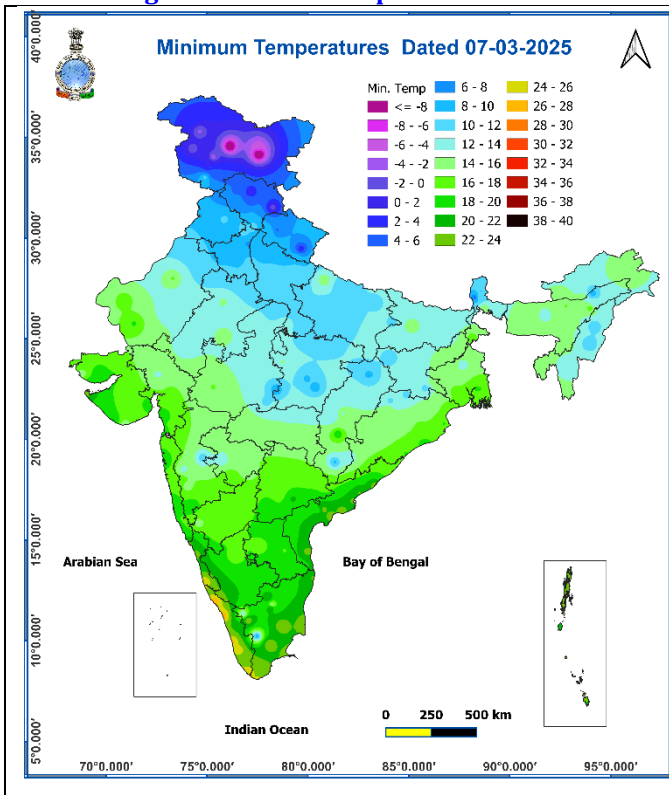
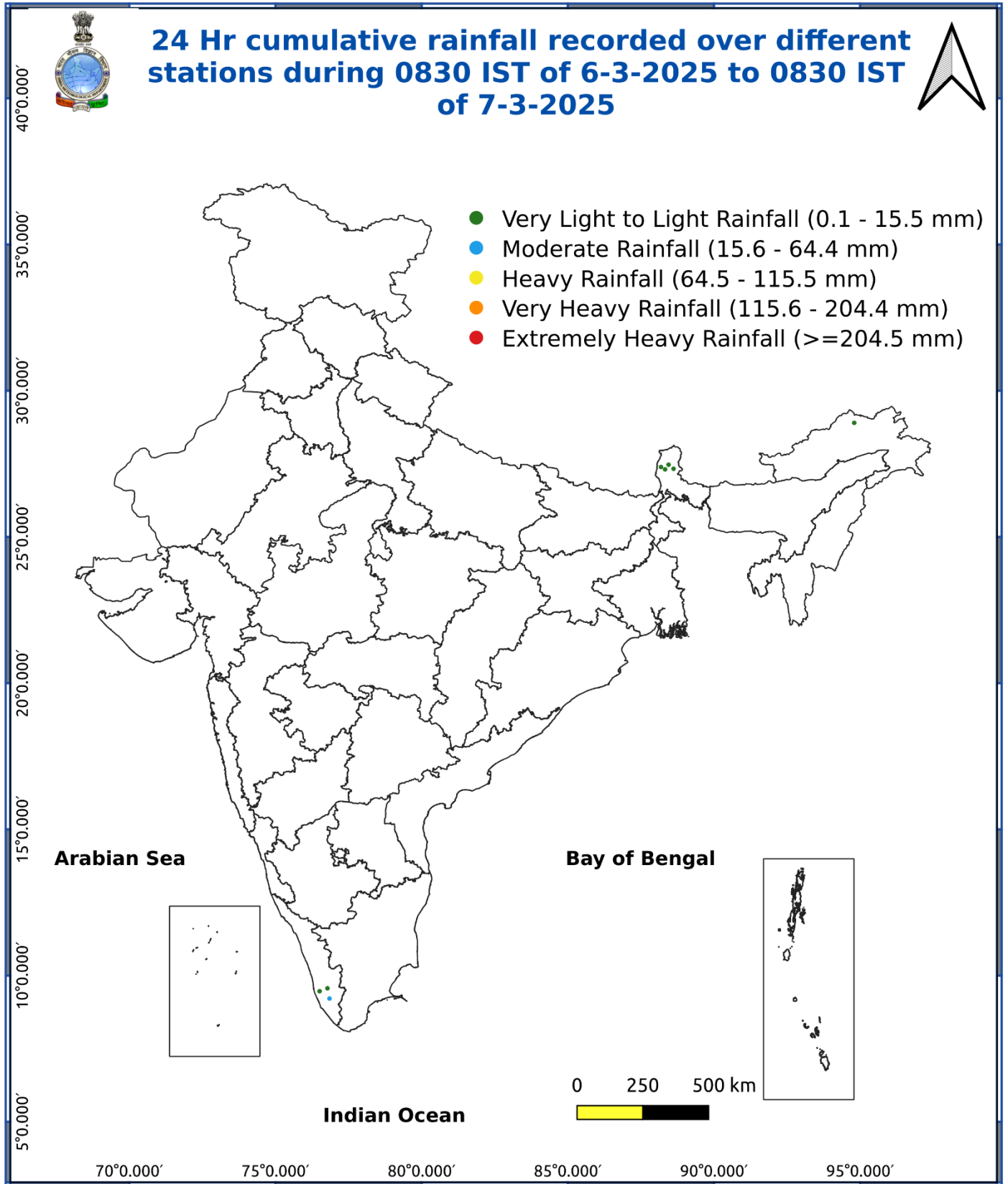


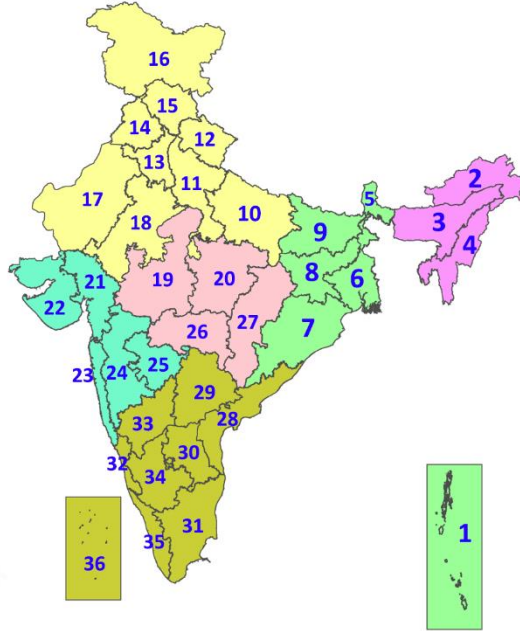
Fig. 5: Accumulated Rainfall (mm) during past 24 hours



\* 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)

## 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)