

Wednesday, March 5, 2025  
Time of Issue: 0800 hours IST  
(MORNING)

## ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

### Significant Weather Features:

#### Temperature:

- ❖ Maximum temperatures were in the range of 35-39°C at most places over Maharashtra state, Telangana, Kerala, Coastal & north interior Karnataka, south Chhattisgarh, Odisha, extreme south Gangetic West Bengal, north interior Tamil Nadu; 30-35°C at most places over remaining parts of Karnataka and Tamil Nadu, Andhra Pradesh, Gujarat, Madhya Pradesh, north Chhattisgarh, Jharkhand, remaining parts of Gangetic West Bengal, Bihar, East Uttar Pradesh, Mizoram and Tripura; 25-30°C over remaining parts of plains of Northwest India and Northeast India. Yesterday, the highest maximum temperature of **39.4°C** was reported at **Sholapur (Madhya Maharashtra)** over the country.
- ❖ During the past 24 hours, maximum temperatures had fallen by 2-5°C at many places northwest India and west Madhya Pradesh. It had risen by 1-2°C at many places over Jammu Division, Himachal Pradesh, Saurashtra & Kutch, Vidarbha, East Madhya Pradesh, East Uttar Pradesh, Chhattisgarh, Assam, East Telangana, south Tamil Nadu, coastal Karnataka and no significant change over rest parts of the country.

#### i. Weather Systems, Forecast and warning

- ❖ **Strong surface wind** speed 20-30 kmph likely to prevail over plains of northwest India during next 24 hours.
- ❖ A fresh **Western Disturbance** is likely to affect Western Himalayan region from 09<sup>th</sup> March, 2025. Under its influence;
  - ✓ **Isolated to Scattered** light/moderate rainfall/snowfall likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad & Himachal Pradesh on 09<sup>th</sup> & 10<sup>th</sup> and Uttarakhand on 10<sup>th</sup> March.
- ❖ A **cyclonic circulation** lies over northeast Assam in lower tropospheric levels. Under its influence, **Isolated to Scattered** light/moderate rainfall/snowfall likely over Arunachal Pradesh during 05<sup>th</sup>-09<sup>th</sup> March.
- ❖ **Isolated to Scattered** light/moderate rainfall accompanied with **thunderstorm, lightning & gusty winds (speed 30-40 kmph)** likely over Bihar on 08<sup>th</sup>; with **thunderstorm & lightning** over Sub-Himalayan West Bengal & Sikkim on 07<sup>th</sup> & 08<sup>th</sup> March.

#### Temperature Forecast:

##### **Maximum temperature:**

- ❖ No significant change in maximum temperatures likely over Northwest India during next 24 hours and gradual rise by 2-4°C thereafter.
- ❖ Gradual rise in maximum temperatures by 2-3°C likely over Northeast India during next 1-2 days and no significant change thereafter.
- ❖ No significant change in maximum temperatures likely over Maharashtra during next 2 days and gradual rise by 2-3°C thereafter.
- ❖ Gradual fall in maximum temperatures by 2-3°C likely over Central India and Gujarat Region during next 24 hours and gradual rise by 2-3°C thereafter.
- ❖ No significant change in maximum temperatures likely over rest parts of India during next 4-5 days.

#### Fishermen Warnings:

- ❖ Fishermen are advised not to venture into along and off Gujarat coast on 05<sup>th</sup> March.

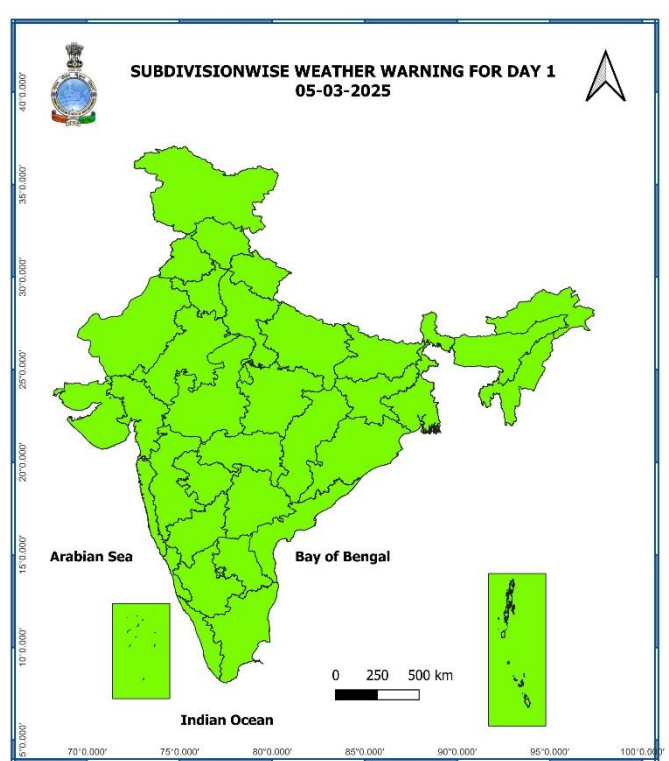
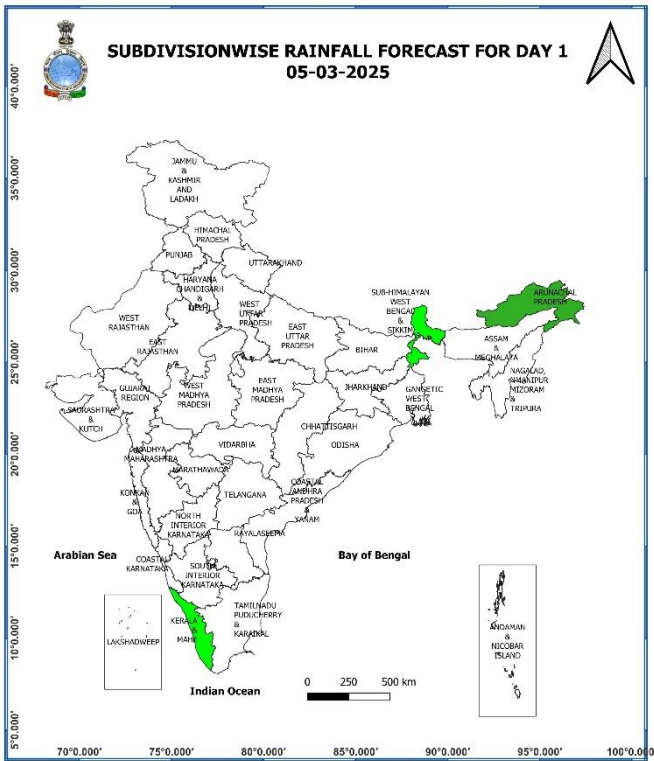
## Main Weather Observations:

- ❖ **Rainfall/snowfall distribution** (from 0830 hours IST to 1730 hours IST of yesterday): **at few places** over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, **at isolated places** over Himachal Pradesh and Uttarakhand.
- ❖ **Rainfall distribution** (from 0830 hours IST to 1730 hours IST of yesterday): **at isolated places over Haryana.**
- ❖ **Significant amount of rainfall** (from 0830 hours IST to 1730 hours IST of yesterday) (in cm): **Haryana: Nahan- 2.**
- ❖ **Thunderstorm with lightning** (from 0830 -1730 hours IST of yesterday): **Nil**
- ❖ **Minimum Temperature Departures (as on 04-03-2025):** Minimum temperatures were **appreciably above normal (3.1°C to 5.0°C)** at a few places over Madhya Maharashtra, Gujarat state and Coastal Karnataka; at isolated places over East Uttar Pradesh, West Madhya Pradesh, Coastal Andhra Pradesh & Yanam and Tamil Nadu, Puducherry & Karaikal; **above normal (1.6°C to 3.0°C) at most places over Punjab;** at many places over East Rajasthan and Odisha; at a few places over Haryana-Chandigarh-Delhi, West Uttar Pradesh, West Rajasthan, East Madhya Pradesh, Konkan & Goa, Rayalaseema, Kerala & Mahe and Interior Karnataka; at isolated places over Chhattisgarh, Lakshadweep, Andaman & Nicobar Islands and Gangetic West Bengal. These were **appreciably below normal (-3.1°C -5.0°C)** at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and Uttarakhand; **below normal (-3.0°C to -1.6°C)** at isolated places over Sub-Himalayan West Bengal & Sikkim and near normal over rest parts of the country (Fig. 4). Yesterday, the **lowest minimum temperature of 10.3°C** was reported **Amritsar (Punjab)** over the plains of the country.
- ❖ **Maximum Temperature Departures (as on 04-03-2025):** Maximum temperatures were **appreciably above normal (3.1°C to 5.0°C)** at a few places over Odisha; at isolated places over Coastal Karnataka; **above normal (1.6°C to 3.0°C)** at many places over Vidarbha and Telangana; at a few places over Konkan & Goa and Coastal Andhra Pradesh & Yanam; at isolated places over East Uttar Pradesh, Saurashtra & Kutch, Madhya Maharashtra, Marathwada, Gangetic West Bengal, Bihar, Assam & Meghalaya, North Interior Karnataka, Coastal Karnataka, Kerala & Mahe, Tamil Nadu, Puducherry & Karaikal. These were **markedly below normal (-5.1°C or less)** at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad; **appreciably below normal (-3.1°C to -5.0°C)** at isolated places over West Rajasthan; **below normal (-3.0°C to -1.6°C)** at isolated places over East Rajasthan, West Madhya Pradesh and near normal over rest parts of the country (Fig. 2). Yesterday, the **highest maximum temperature of 39.4°C** was reported at **Sholapur (Madhya Maharashtra)** over the country.

## Meteorological Analysis (Based on 0530 hours IST)

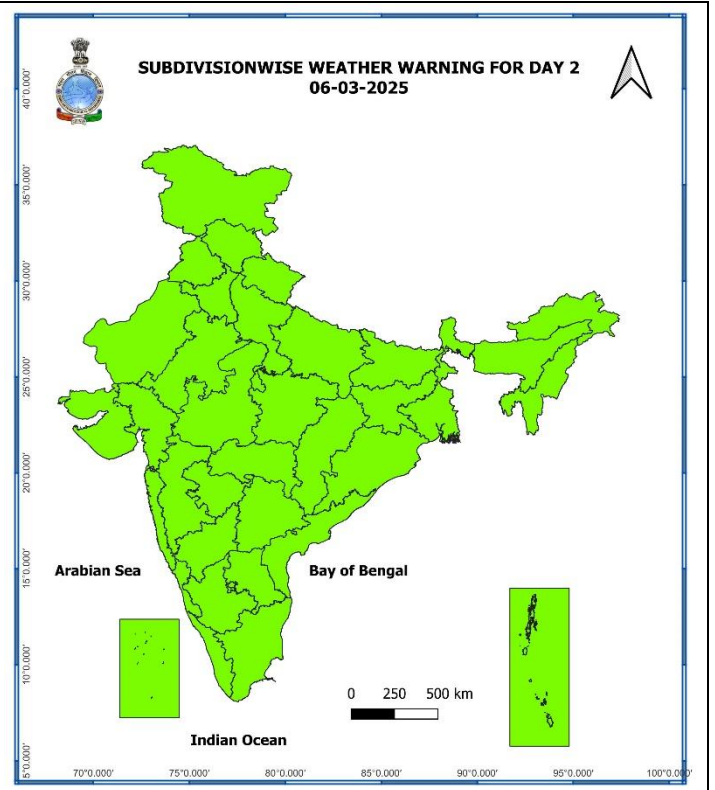
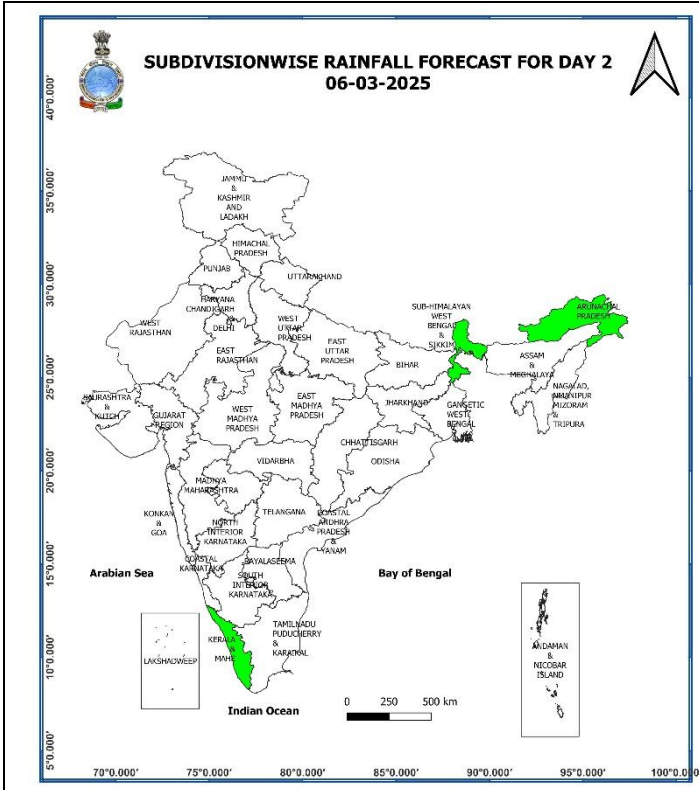
- ❖ The **cyclonic circulation** over northeast Assam & neighbourhood extending upto 1.5 km above mean sea level persists.
- ❖ A fresh **Western Disturbance** is likely to affect Western Himalayan region from 09th March, 2025.
- ❖ The **Western Disturbance** as a cyclonic circulation over north Pakistan & neighbourhood at 3.1 km above mean sea level with a trough aloft in middle & upper tropospheric levels roughly along Long. 72°E to the north of Lat. 32°N has moved away east-northeastwards.

**Weather Forecast & Warnings for next 7 days (Upto 0830 hours IST of 12<sup>th</sup> March, 2025)**



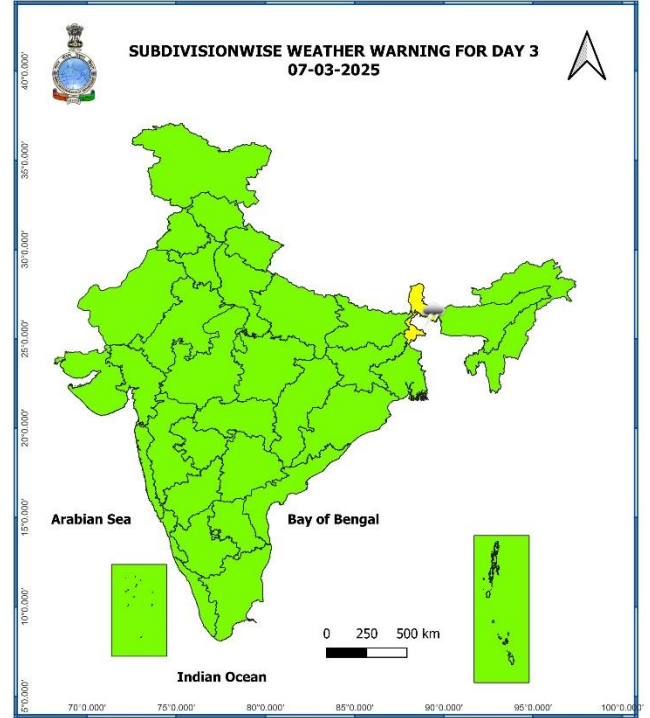
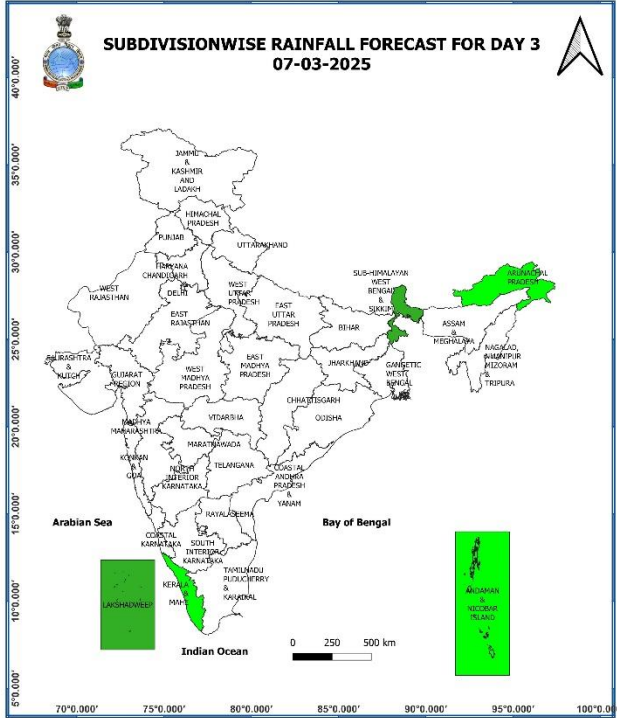
**05<sup>th</sup> March (Day 1):**

- ❖ Squally wind with speed 45 kmph to 50 kmph gusting to 55 kmph likely to prevail over along and off Gujarat coast. Fishermen are advised not to venture into these areas.



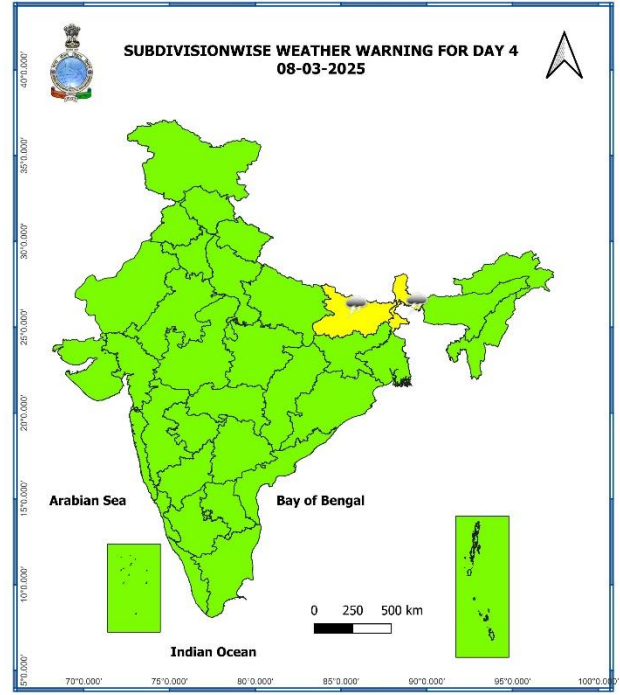
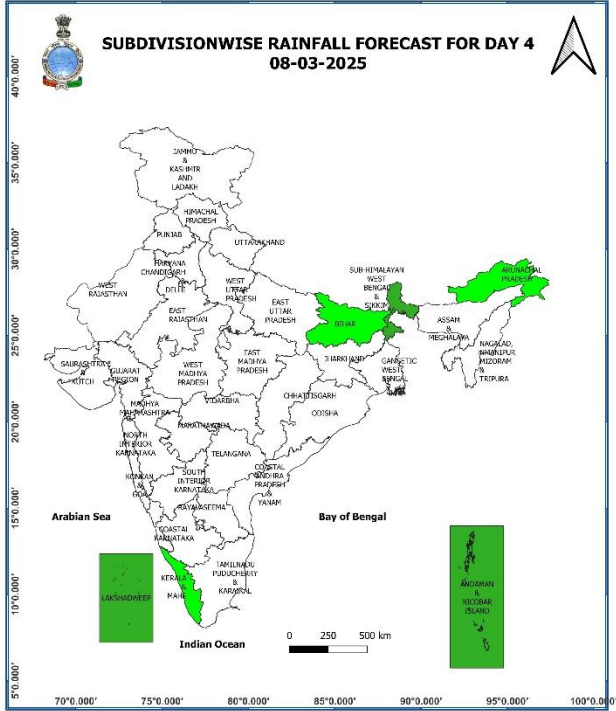
**06<sup>th</sup> March (Day 2):**

❖ **No Weather Warning.**



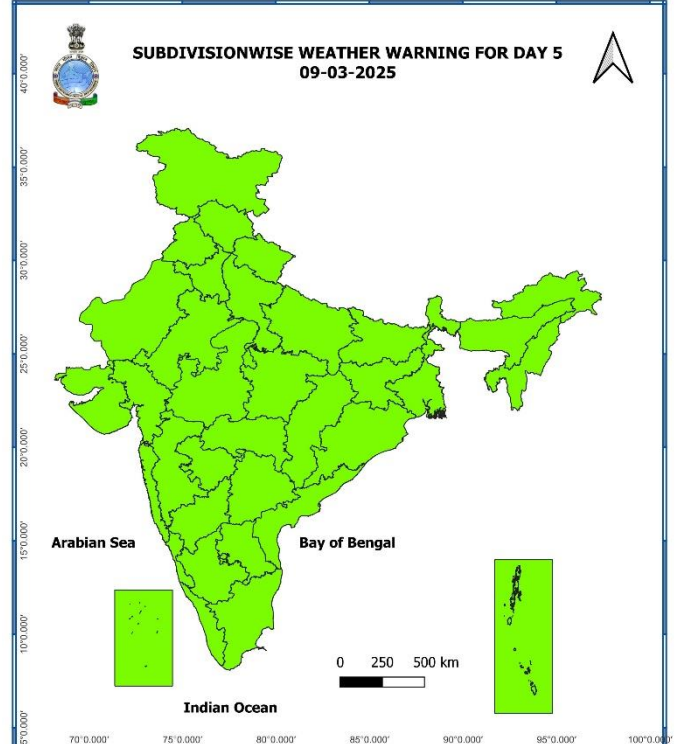
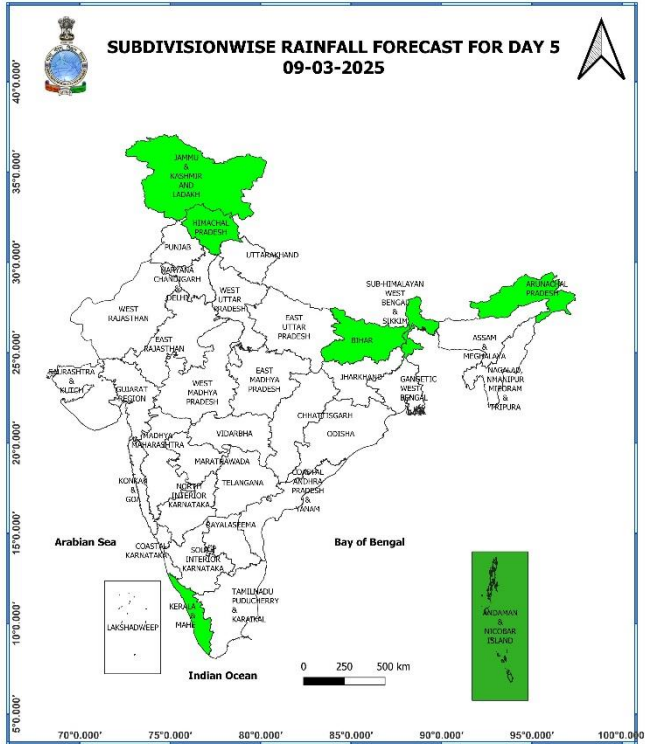
**07<sup>th</sup> March (Day 3):**

❖ **Thunderstorm accompanied with lightning** likely at isolated places over Sub-Himalayan West Bengal & Sikkim.



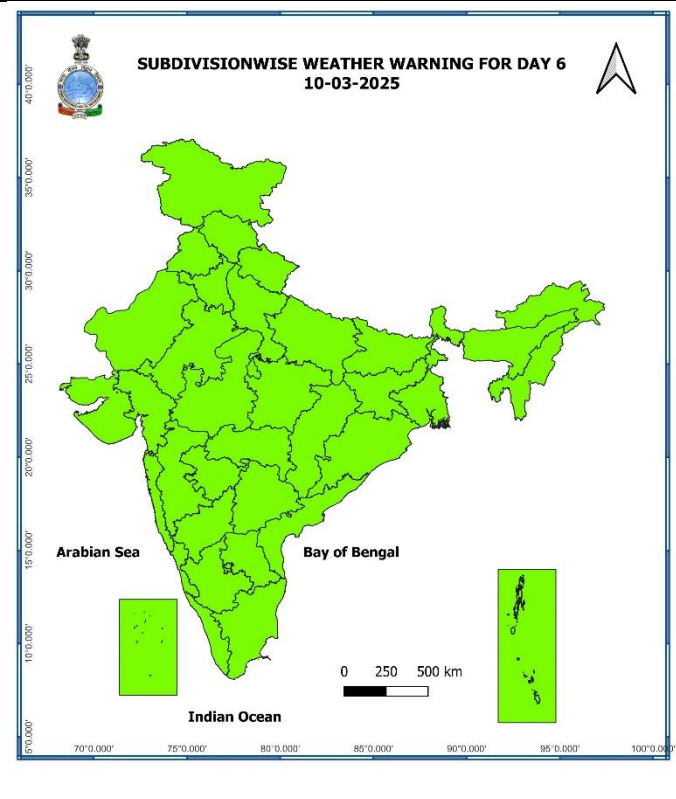
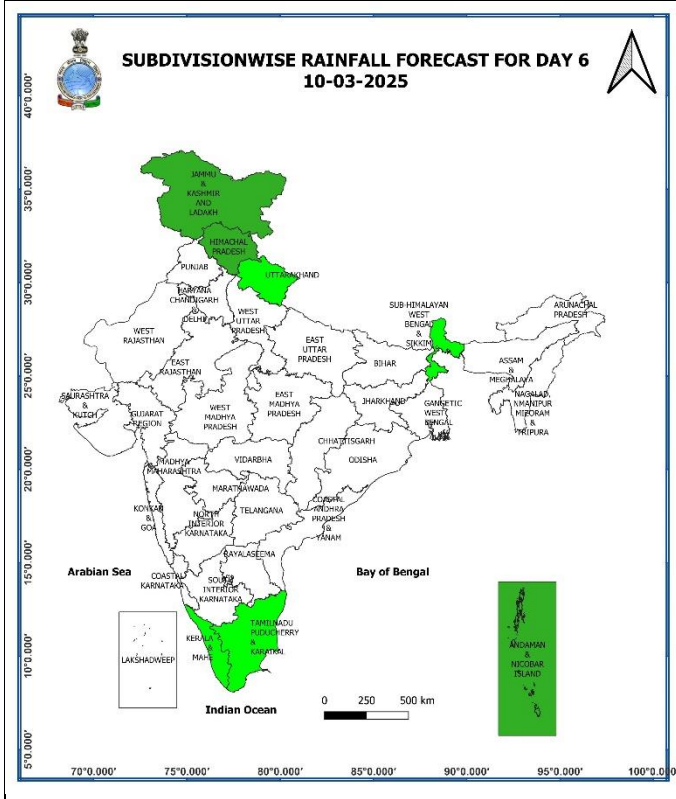
**08<sup>th</sup> March (Day 4):**

- ❖ **Thunderstorm accompanied with gusty wind (30-40 kmph) & lightning likely at isolated places over Bihar; with lightning at isolated places over Sub-Himalayan West Bengal & Sikkim.**



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

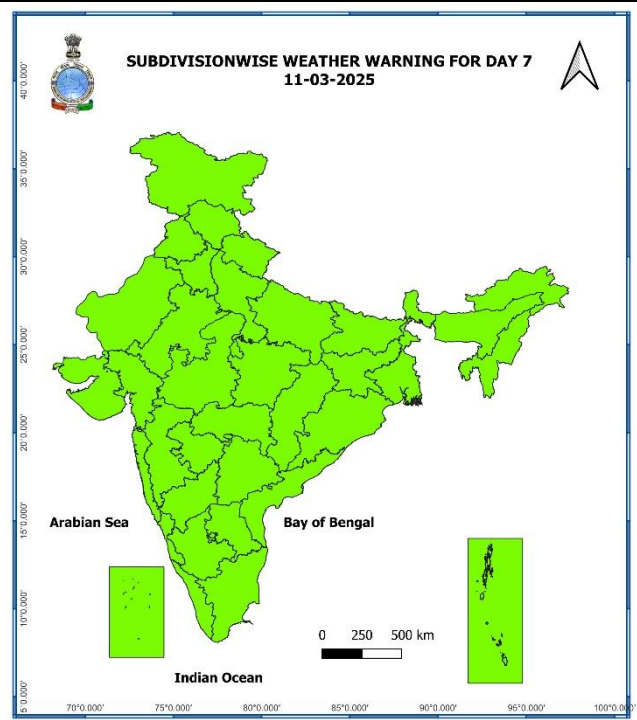
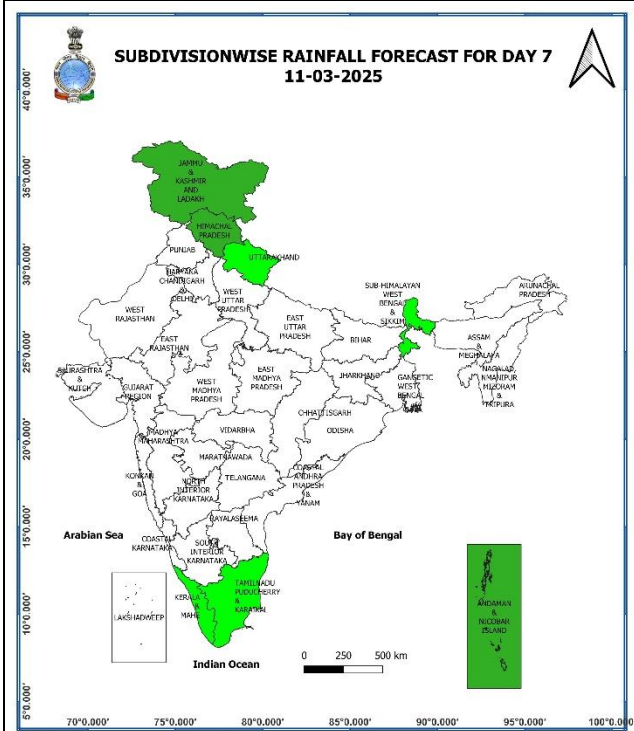
❖ **No Weather Warning.**



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

❖ **No Weather Warning.**

\* 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)



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

❖ **No Weather Warning.**

### Weather Outlook for subsequent 3 days (During 12<sup>th</sup> March- 14<sup>th</sup> March, 2025)

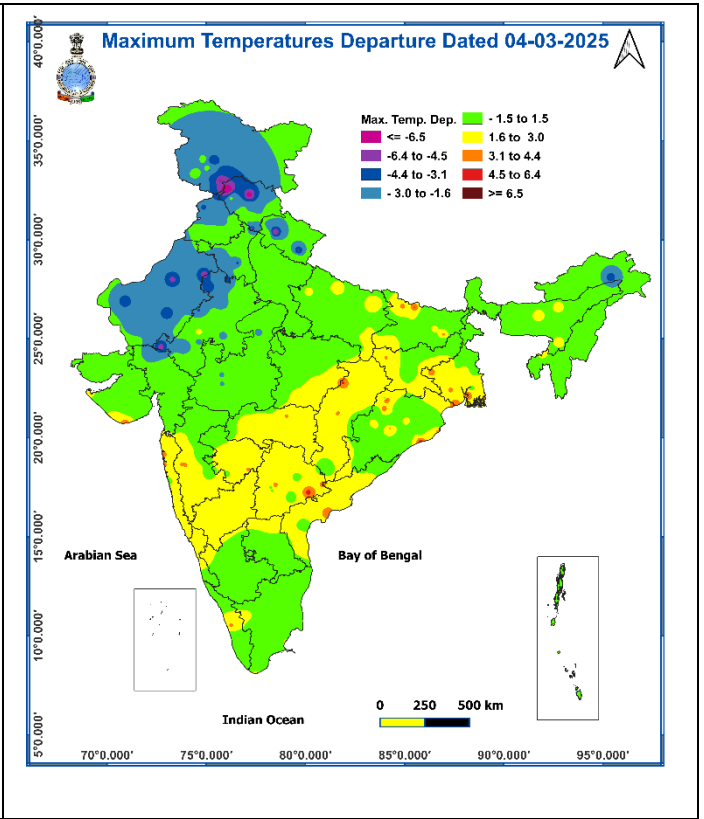
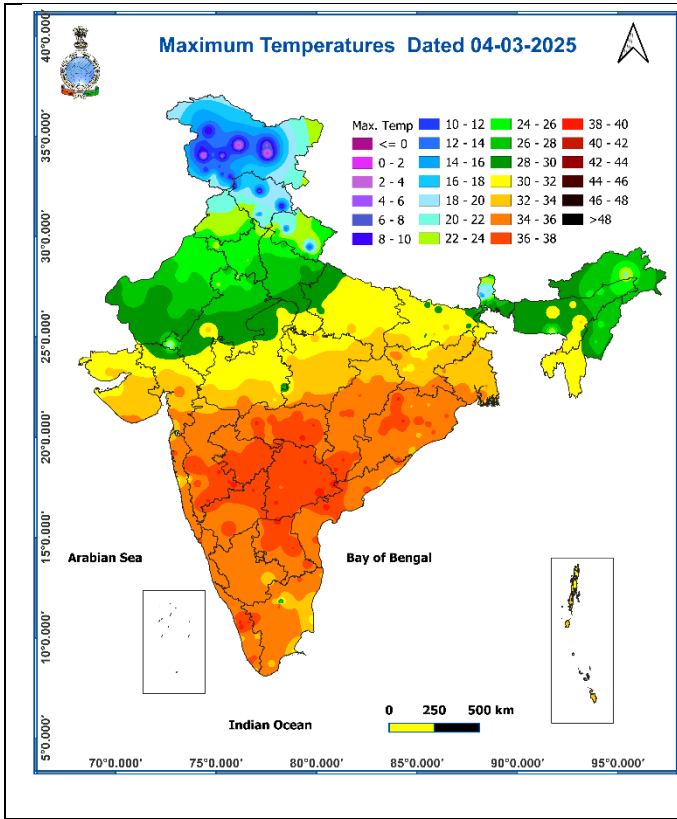
- ❖ **Scattered to fairly widespread rainfall/snowfall** likely over Western Himalayan region.
- ❖ **Isolated to scattered rainfall** likely over Arunachal Pradesh, Northeast Assam, Nagaland, Kerala & Mahe, Tamil Nadu, Puducherry & Karaikal, Lakshadweep and Andaman & Nicobar Islands.

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**

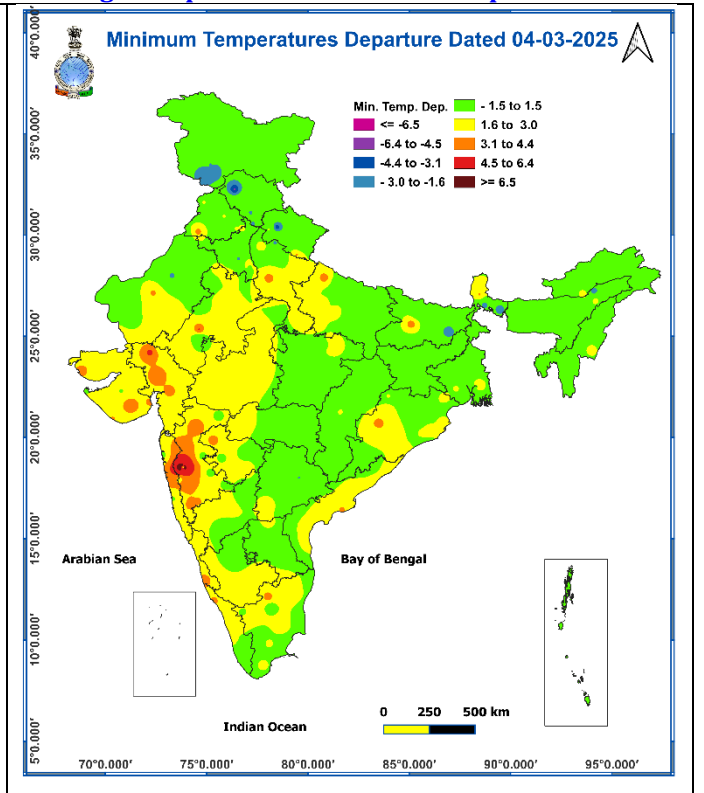
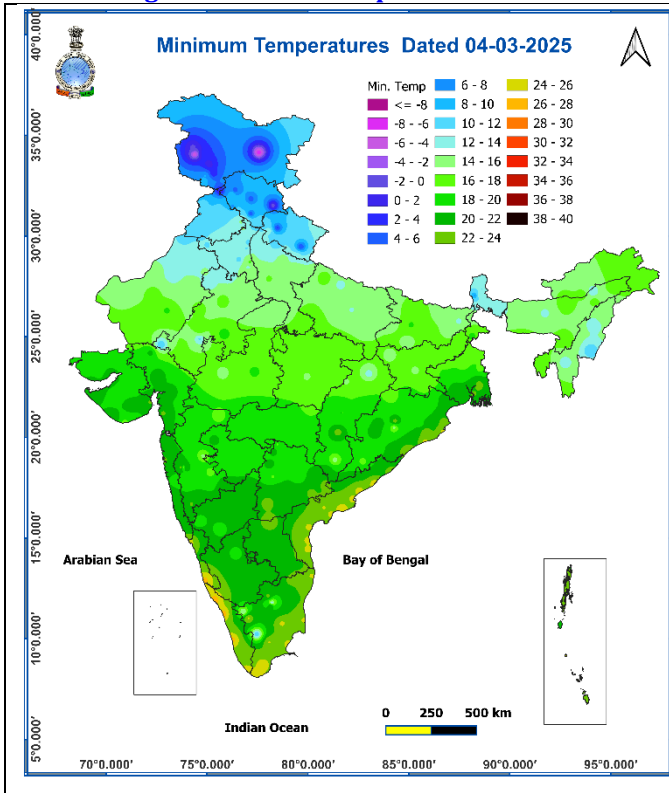
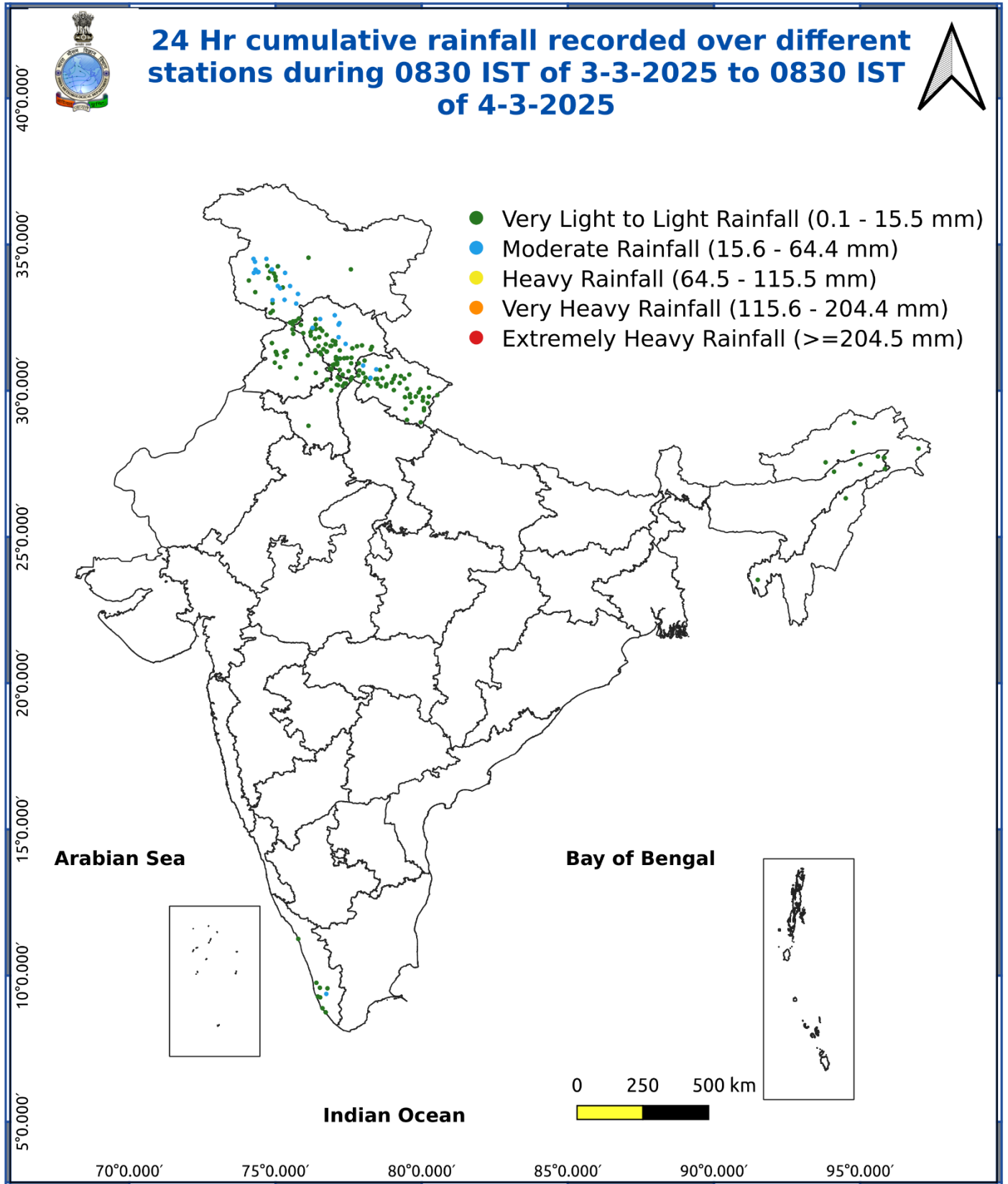


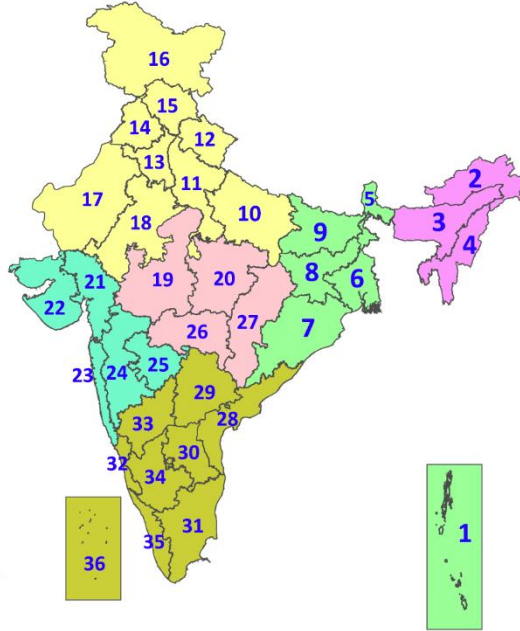
Fig. 5: Accumulated Rainfall (mm) during past 24 hours



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## 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)



### 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

<b>Rain/ Snow *</b>	<p><b>Heavy:</b> 64.5 to 115.5 mm/cm *</p> <p><b>Very Heavy:</b> 115.6 to 204.4 mm/cm*</p> <p><b>Extremely Heavy:</b> &gt; 204.4 mm/cm *</p>
<b>Heat Wave</b>	<p><b>When maximum temperature of a station reaches <math>\geq 40^\circ\text{C}</math> for plains and <math>\geq 30^\circ\text{C}</math> for hilly regions</b></p> <p><b>(a) Based on Departure from normal</b></p> <p><b>Heat Wave:</b> Maximum Temperature Departure from normal <math>4.5^\circ\text{C}</math> to <math>6.4^\circ\text{C}</math>.</p> <p><b>Severe Heat Wave:</b> Maximum Temperature Departure from normal <math>\geq 6.5^\circ\text{C}</math></p> <p><b>(b). Based on Actual maximum temperature</b></p> <p><b>Heat Wave:</b> When actual maximum temperature <math>\geq 45^\circ\text{C}</math>.</p> <p><b>Severe Heat Wave:</b> When actual maximum temperature <math>\geq 47^\circ\text{C}</math></p> <p><b>(c) Criteria for heat wave for coastal stations</b></p> <p>When maximum temperature departure is <math>&gt;4.5^\circ\text{C}</math> from normal. Heat Wave may be described provided maximum temperature <math>\geq 37^\circ\text{C}</math></p>
<b>Warm Night</b>	<p><b>When maximum temperature remains <math>40^\circ\text{C}</math></b></p> <p><b>Warm Night:</b> When minimum temperature departure <math>4.5^\circ\text{C}</math> to <math>6.4^\circ\text{C}</math>.</p> <p><b>Severe Warm Night:</b> When minimum temperature departure <math>&gt;6.4^\circ\text{C}</math>.</p>
<b>Cold Wave</b>	<p><b>When minimum temperature of a station <math>\leq 10^\circ\text{C}</math> for plains and <math>\leq 0^\circ\text{C}</math> for hilly regions.</b></p> <p><b>(a). Based on departure</b></p> <p><b>Cold Wave:</b> Minimum Temperature Departure from normal <math>-4.5^\circ\text{C}</math> to <math>-6.4^\circ\text{C}</math>.</p> <p><b>Severe Cold Wave:</b> Minimum Temperature Departure from normal <math>\leq -6.5^\circ\text{C}</math></p> <p><b>(b) Based on actual Minimum Temperature (for Plains only)</b></p> <p><b>Cold Wave :</b> When Minimum Temperature is <math>\leq 4.0^\circ\text{C}</math></p> <p><b>Severe Cold Wave:</b> When Minimum Temperature is <math>\leq 2.0^\circ\text{C}</math></p> <p><b>(c) For Coastal Stations</b></p> <p>When Minimum Temperature departure is <math>\leq -4.5^\circ\text{C}</math> &amp; actual Minimum Temperature is <math>\leq 15^\circ\text{C}</math></p>
<b>Cold Day</b>	<p><b>When minimum temperature of a station <math>\leq 10^\circ\text{C}</math> for plains and <math>\leq 0^\circ\text{C}</math> for hilly regions</b></p> <p><b>Based on departure</b></p> <p><b>Cold Day:</b> Maximum Temperature Departure from normal <math>-4.5^\circ\text{C}</math> to <math>-6.4^\circ\text{C}</math>.</p> <p><b>Severe Cold Day:</b> Maximum Temperature Departure from normal <math>\leq -6.5^\circ\text{C}</math></p>
<b>Fog</b>	<p><b>Phenomenon of small droplets suspended in air and the horizontal visibility <math>&lt; 1\text{km}</math></b></p> <p><b>Moderate Fog:</b> When the visibility between 500-200 metres</p> <p><b>Dense Fog:</b> when the visibility between 50- 200 metres</p> <p><b>Very Dense Fog:</b> when the visibility <math>&lt; 50</math> metres</p>
<b>Thunderstorm</b>	<p><b>Sudden electrical discharges manifested by a flash of light (Lightning) and a sharp rumbling sound (thunder)</b></p>
<b>Dust/Sand Storm</b>	<p><b>An ensemble of particles of dust or sand energetically lifted to great heights by a strong and turbulent wind.</b></p>
<b>Frost</b>	<p><b>Ice deposits on ground</b></p> <p>Air temperature <math>\leq 4^\circ\text{C}</math> ( over Plains)</p>
<b>Squall</b>	<p><b>A strong wind that rises suddenly, lasts for atleast 1 minute.</b></p> <p><b>Moderate:</b> Wind speed 52-61 kmph</p> <p><b>Severe:</b> Wind speed 62-87 kmph</p> <p><b>Very Severe:</b> Wind speed <math>&gt;87</math> kmph</p>
<b>Sea State</b>	<p><b>Effect of various waves in the sea over specific area</b></p> <p><b>Rough to very rough:</b> Wind speed 41-62 kmph (22-33 knots) &amp; Wave height 2.5-6 metre</p> <p><b>High to very high:</b> Wind speed 63-117 kmph ( 34-63 knots) &amp; Wave height 6-14 metre</p> <p><b>Phenomenal:</b> Wind speed <math>&gt;117</math> kmph (<math>&gt;63</math> knots) &amp; Wave height <math>&gt;14</math> metre</p>
<b>Cyclone</b>	<p><b>Cyclonic Storm:</b> Wind speed 62-87 kmph (34-47 knots)</p> <p><b>Severe Cyclonic Storm:</b> Wind speed 88-117 kmph (48-63 knots)</p> <p><b>Very Severe Cyclonic Storm:</b> Wind speed 118-165 kmph (64 - 89 knots)</p> <p><b>Extremely Severe Cyclonic Storm:</b> Wind speed 166-220 kmph (90 -119 knots)</p> <p><b>Super Cyclone Strom:</b> Wind speed <math>&gt;220</math> kmph (<math>&gt;119</math> knots)</p>