

## Current Temperature Status and Heat Wave Warning

Dated: 10<sup>th</sup> March, 2025

Time of Issue: 1600 Hrs IST

### ◆ Observed Temperature Scenario:-

#### Maximum Temperature & its departure (Yesterday) (Annexure 1):-

- Yesterday's Maximum temperatures were in the range greater than 39°C at isolated places over Gujarat State, Maharashtra state, Southwest Rajasthan and Rayalaseema and in the range of 35-39°C at many places over interior Maharashtra, Gujarat Region and Kutch, Karnataka, Telangana, Coastal Andhra Pradesh & Yanam, Rayalaseema, Kerala & Mahe, Tamilnadu Puducherry & Karaikal, Rajasthan, West Madhya Pradesh, Odisha.
- **Yesterday's Highest Maximum Temperature on Plains: 41.1°C** was reported at **Rajkot (Saurashtra & Kutch)**.
- **Markedly above normal (5.1°C or more):-** at many places over Saurashtra & Kutch; at isolated places over Gujarat Region and Rajasthan.
- **Appreciably above normal (3.1°C to 5.0°C ):-** at a few places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh; at isolated places over West Madhya Pradesh, Konkan & Goa.
- **Above normal (1.6°C to 3.0°C ):-** at most places over Punjab, Haryana-Chandigarh-Delhi, West Uttar Pradesh, East Madhya Pradesh, Madhya Maharashtra, Marathwada, Vidarbha, North Interior Karnataka; at a few places over Uttarakhand, Chhattisgarh; at isolated places over East Uttar Pradesh, Jharkhand, Odisha, Telangana.

#### Minimum Temperature & its departure (Today) (Annexure 2):-

- **Markedly above normal (5.1°C or more):-** at a few places over Jammu-Kashmir; at isolated places over Himachal Pradesh, West Madhya Pradesh and West Uttar Pradesh.
- **Appreciably above normal (3.1°C to 5.0°C):-** at isolated places over Punjab, Haryana-Chandigarh-Delhi, Rajasthan, Bihar, Gujarat state.
- **Above normal (1.6°C to 3.0°C ):-** at a few places over Gangetic West Bengal, Konkan & Goa and Madhya Maharashtra; at isolated places over Uttar Pradesh, Odisha, Marathwada, Coastal Andhra Pradesh & Yanam, Coastal & North Interior Karnataka, Tamil Nadu, Puducherry & Karaikal.

◆ **Heat wave conditions:-** Heat Wave has been recorded at isolated places over Saurashtra & Kutch.

◆ **Warm night conditions:-** NIL.

◆ **Percentile Temperature (Annexure 3) :-**

◆ **Temperatures Recorded at 1430 Hours IST of Today, the 10<sup>th</sup> March, 2025 (Annexure 4) :-**

- **Bhuj (Saurashtra & Kutch) and Surat (Gujarat Region)** recorded the highest temperature of **41.2°C**.

◆ **Wind Speed & Relative Humidity Recorded at 1430 Hours IST of Today (Annexure 5) :-**

#### ◆ Maximum Temperatures Forecast :-

- Gradual rise in maximum temperatures by 2-3°C likely over plains of Northwest India during next 3 days and fall by 2-4°C thereafter.
- Gradual rise in maximum temperatures by 2-3°C likely over Central India during next 3 days and no significant change thereafter.
- No significant change in maximum temperatures likely over Gujarat State during next 3 days and fall by 2-3°C during subsequent 3 days.
- Gradual rise in maximum temperatures by 3-4°C likely over East India and by 2-4°C over Maharashtra and Telangana during next 5 days.
- No significant change in maximum temperatures likely over rest parts of the country.

## Heat Wave Warnings for Next 7 Days

### DAY-1:-

- ✓ **Heat Wave** Conditions very likely at isolated places over Gujarat state.
- ✓ **Hot and humid** weather very likely to prevail over Konkan & Goa and Kerala & Mahe.

### DAY-2:-

- ✓ **Heat Wave** Conditions very likely at isolated places over West Rajasthan, Vidarbha and Gujarat state.
- ✓ **Hot and Humid** conditions very likely to prevail over Konkan & Goa and Coastal Karnataka.

### DAY-3:-

- ✓ **Heat Wave** conditions very likely at isolated places over West Rajasthan, Vidarbha and Gujarat state.
- ✓ **Hot and Humid** conditions very likely to prevail over Coastal Karnataka.

**DAY-4:-** Heat Wave conditions likely at isolated places over Vidarbha and Odisha.

**DAY-5:-** Heat Wave conditions likely at isolated places over Odisha.

**DAY-6:-** NIL.

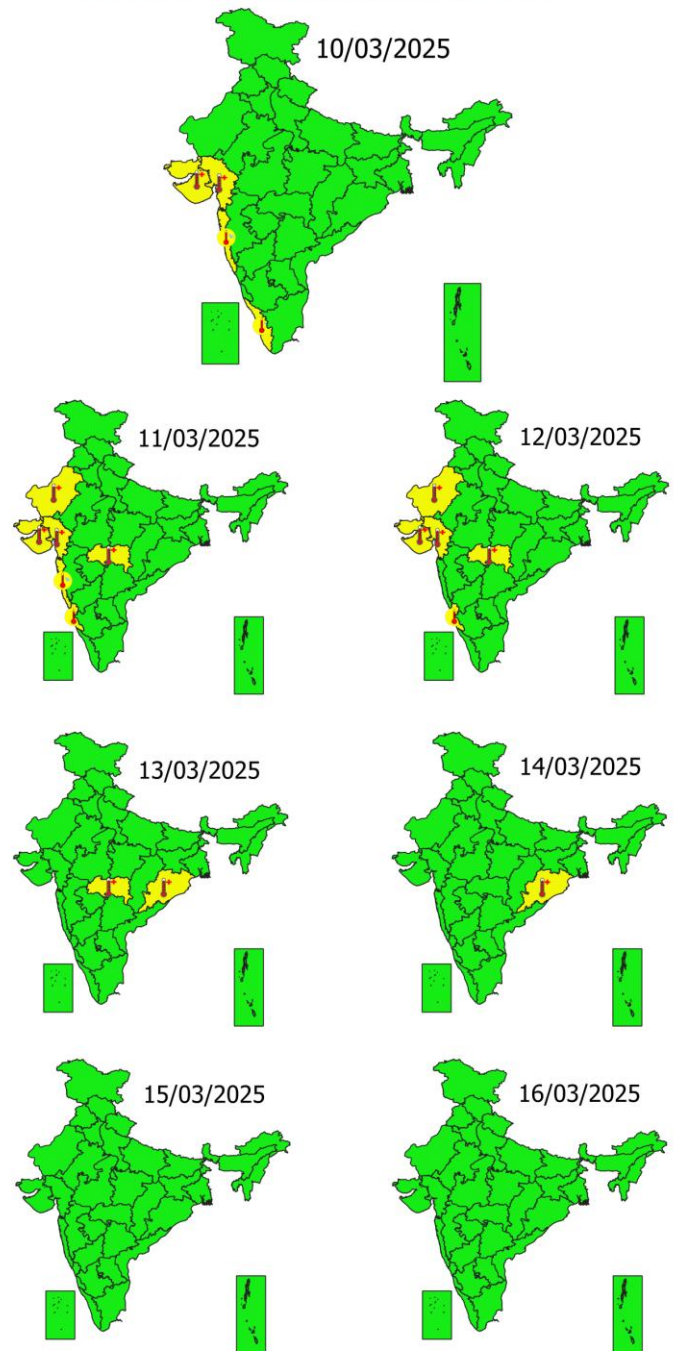
**DAY-7:-** NIL.

### IMPACT EXPECTED & ACTION SUGGESTED:





#### Yellow Alert Areas:

1. Moderate temperature, Heat is tolerable for general public but moderate health concern for vulnerable people e.g. infants, elderly, people with chronic diseases.
2. Avoid heat exposure, Wear light weight, light coloured, loose, cotton clothes, Cover your head, Use a cloth, hat or umbrella.

## 7 DAYS HEAT WAVE WARNING MAP

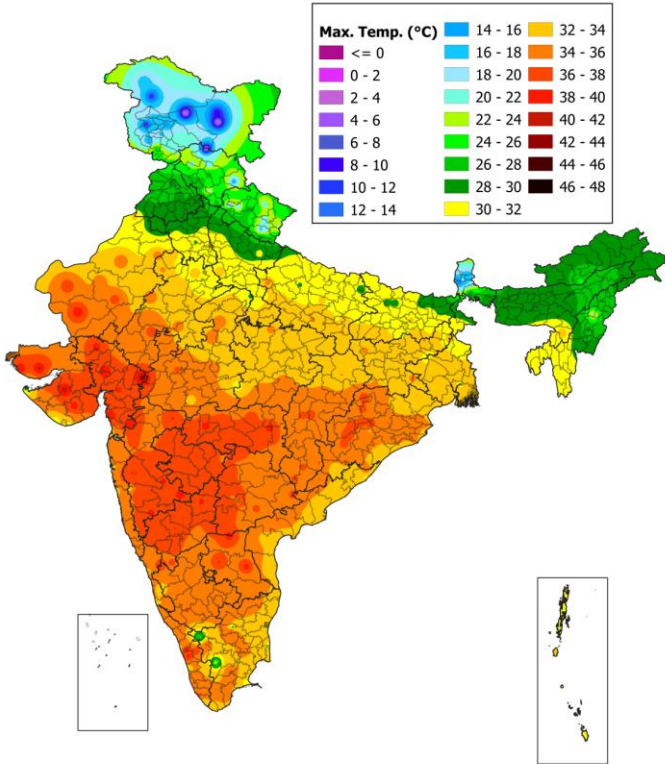


Warning Symbol:	
	Heat Wave
	Warm Night
	Hot & Humid

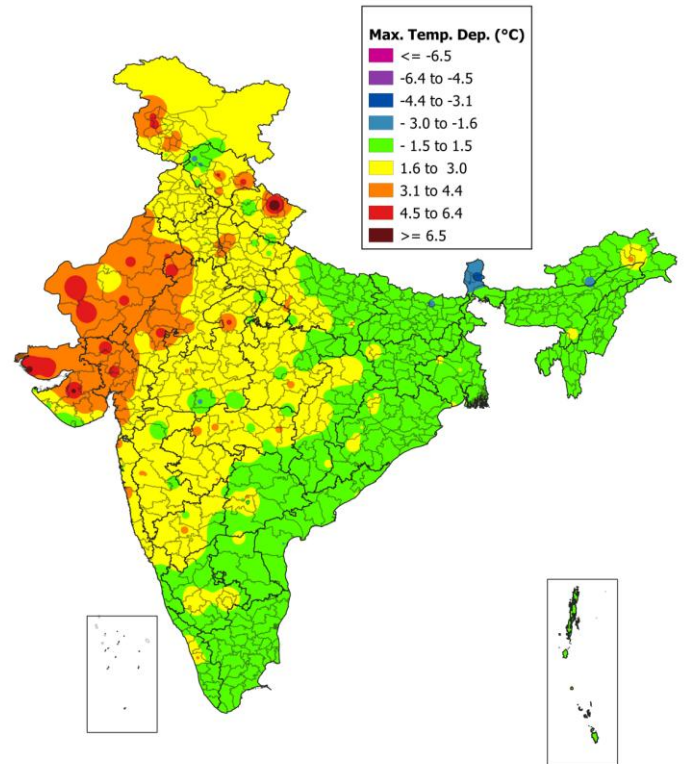
Legend:	
	NO WARNING
	WATCH (BE UPDATED)
	ALERT (BE PREPARED)
	WARNING (TAKE ACTION)

Annexure 1

Maximum Temperature Dated 09/03/2025

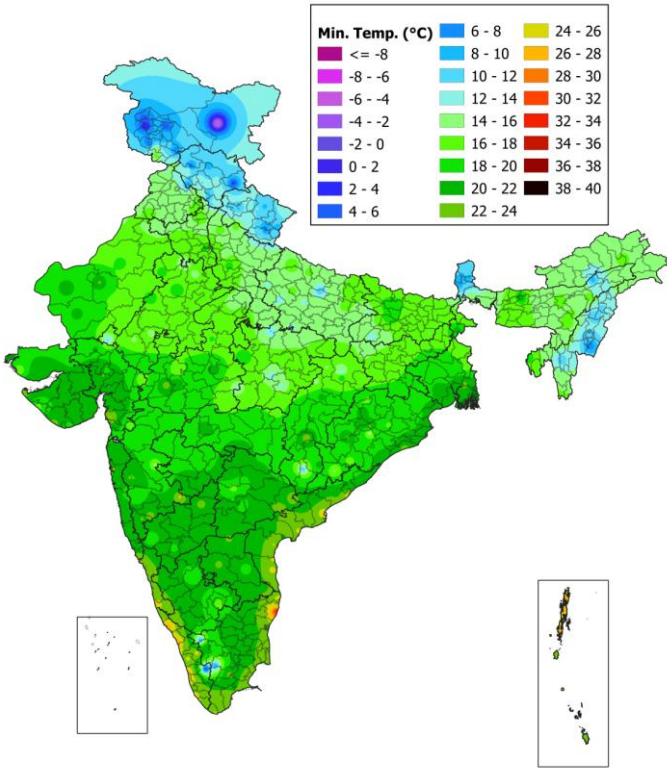


Max Temperature Departure Dated 09/03/2025

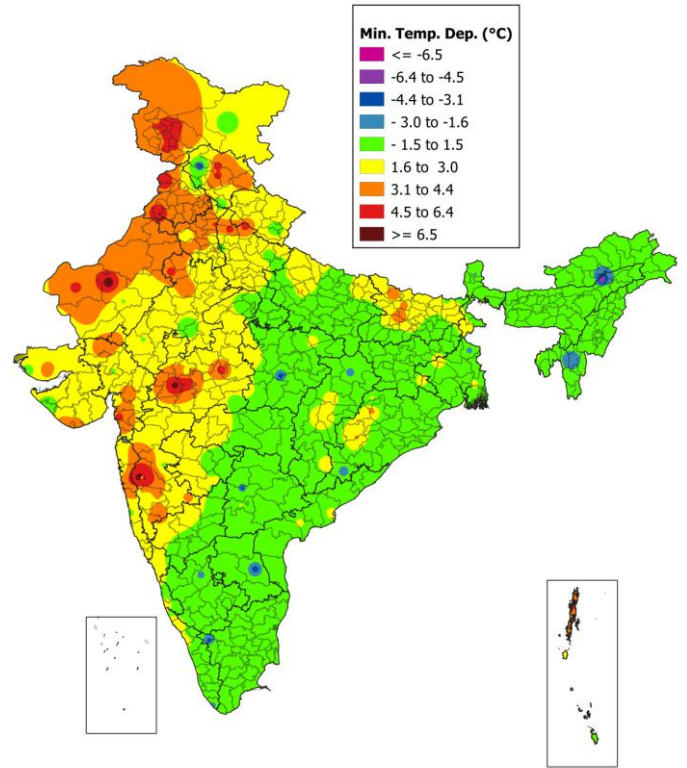


Annexure 2

Minimum Temperature Dated 10/03/2025

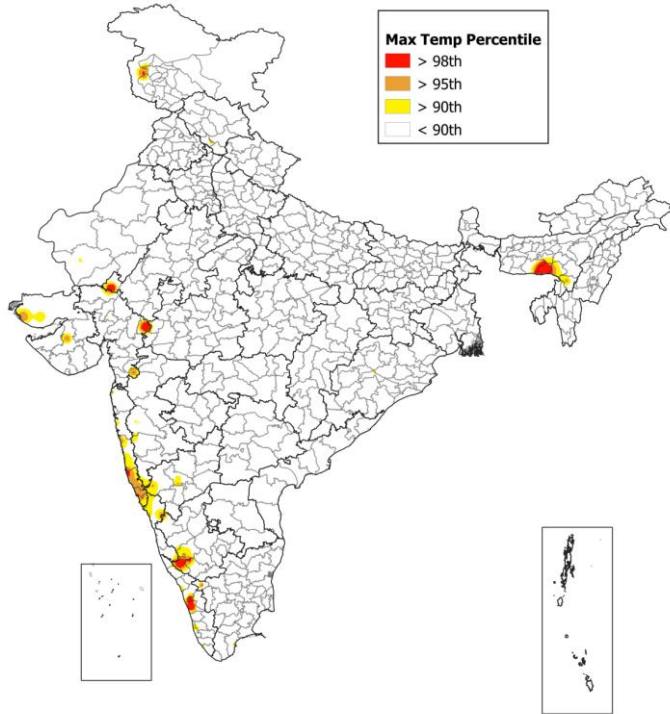


Min Temperature Departure Dated 10/03/2025

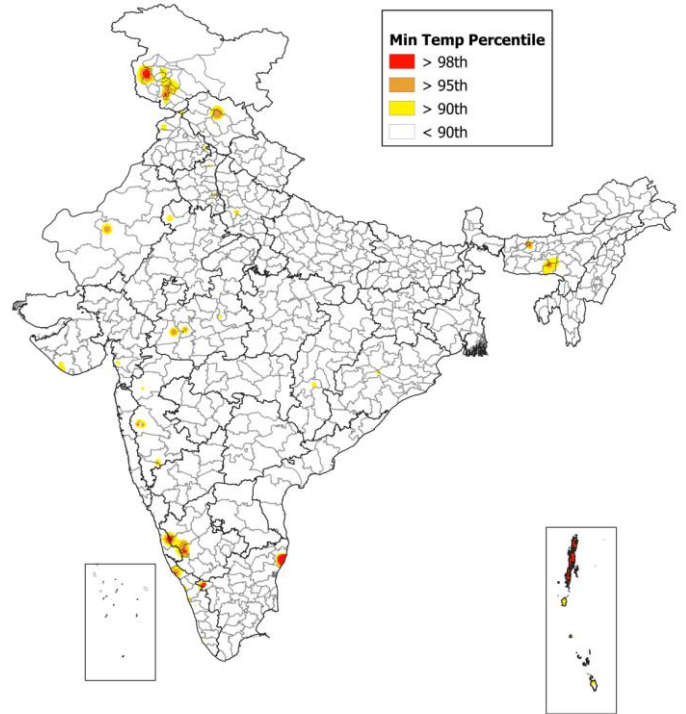


Annexure 3

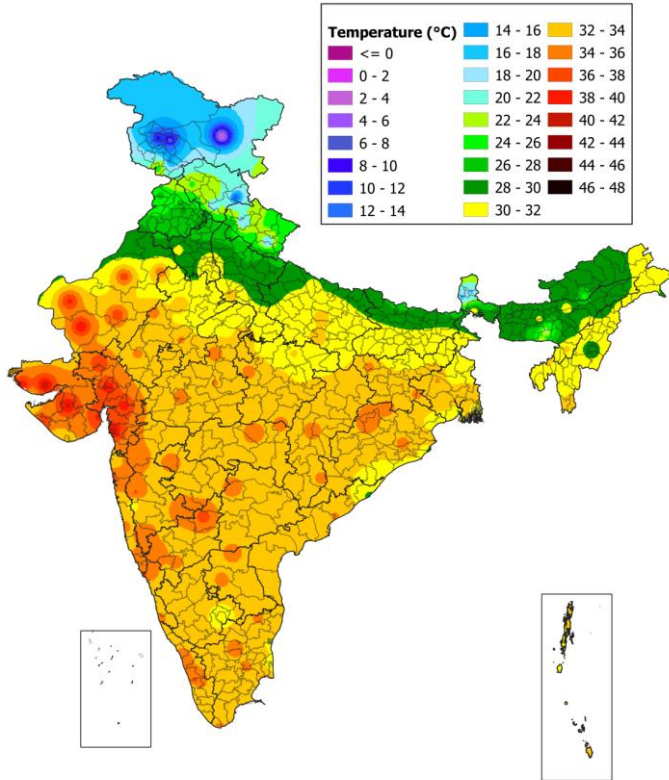
Max Temp Percentile Dated 09/03/2025



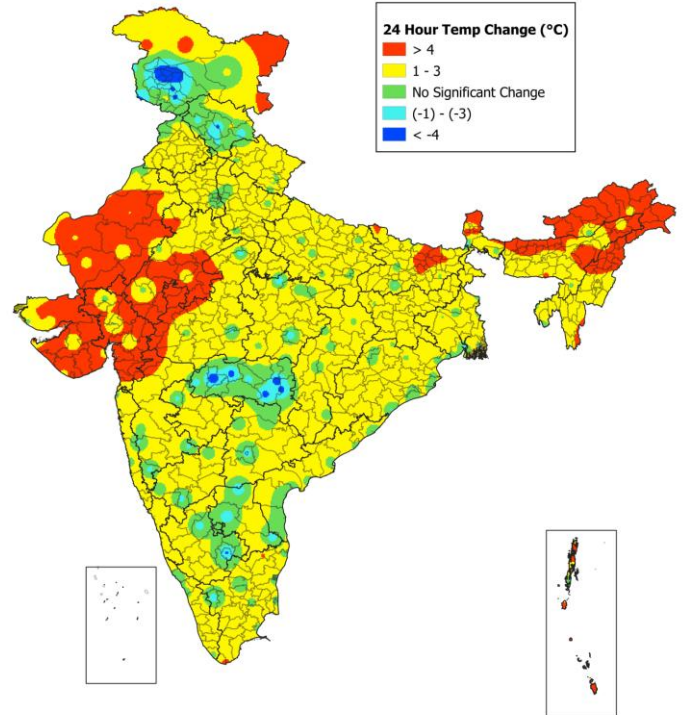
Min Temp Percentile Dated 10/03/2025



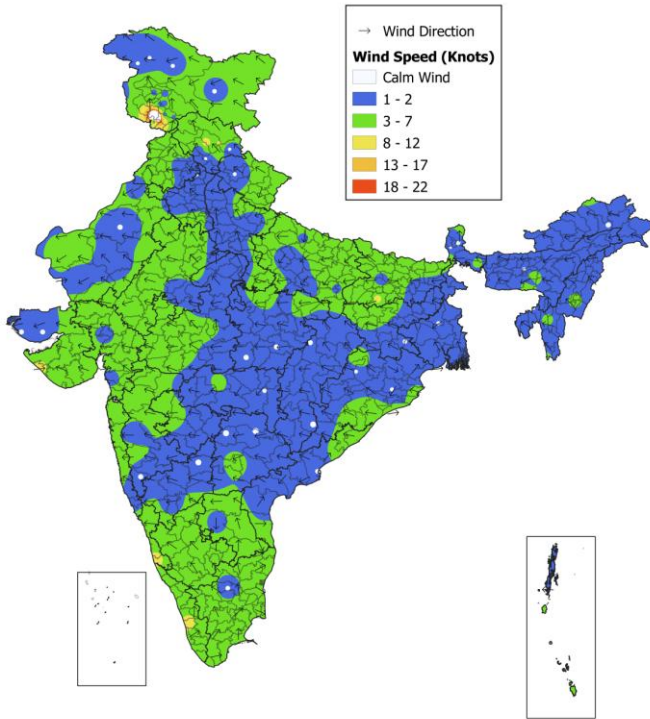
**Observed Temperature at 1430 hrs IST Dated 10/03/2025**



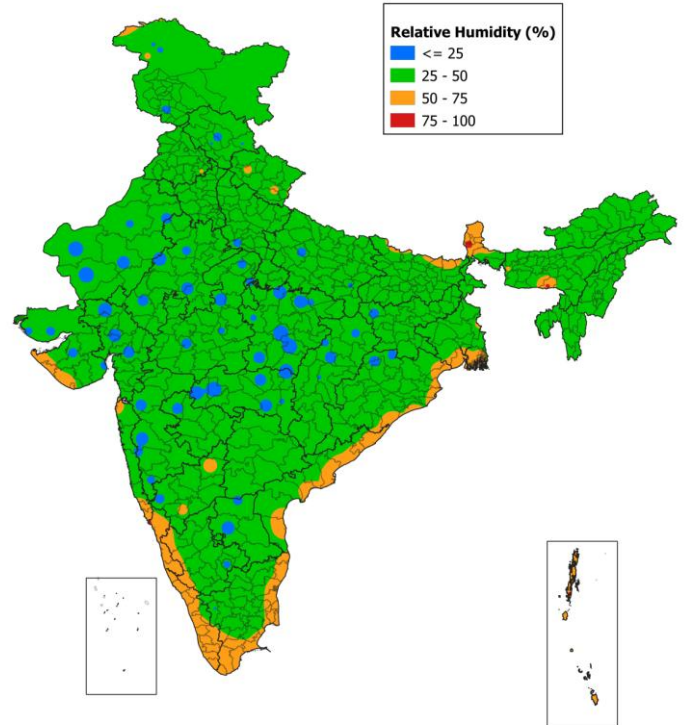
**24 hrs Temperature Change at 1430 hrs IST Dated 10/03/2025**



Wind Map at 1430 hrs IST Dated 10/03/2025



Relative Humidity at 1430 Hrs IST Dated 10/03/2025



For more details on Heat Waves visit:

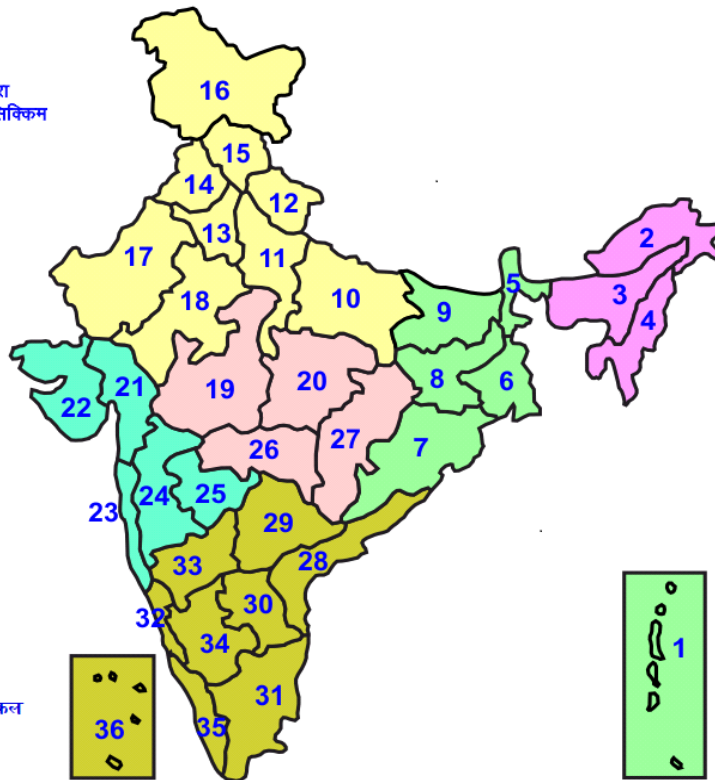
[https://mausam.imd.gov.in/responsive/heatwave\\_guidance.php](https://mausam.imd.gov.in/responsive/heatwave_guidance.php)

For any details contact at: [heatwaveimd@gmail.com](mailto:heatwaveimd@gmail.com)



# LEGENDS

- 1 अंडमान और निकोबार द्वीप समुह
- 2 अरुणाचल प्रदेश
- 3 असम और मेघालय
- 4 नागालैंड मनीपुर मीजोरम और त्रिपुरा
- 5 उप हिमालय पश्चिम बंगाल एवं सिक्किम
- 6 पश्चिम गांगेय बंगाल
- 7 ओडिसा
- 8 झारखंड
- 9 बिहार
- 10 पूर्वी उत्तर प्रदेश
- 11 पश्चिम उत्तर प्रदेश
- 12 उत्तराखंड
- 13 हरियाणा चंडिगढ़ एवं दिल्ली
- 14 पंजाब
- 15 हिमाचल प्रदेश
- 16 जम्मू एवं कश्मीर एवंम लद्दाख
- 17 पश्चिम राजस्थान
- 18 पूर्वी राजस्थान
- 19 पश्चिम मध्य प्रदेश
- 20 पूर्वी मध्य प्रदेश
- 21 गुजरात क्षेत्र
- 22 सौराष्ट्र एवंम कच्छ
- 23 कोंकण एवंम गोवा
- 24 मध्य महाराष्ट्र
- 25 मराठावाडा
- 26 विदर्भ
- 27 छत्तीसगढ़
- 28 तटीय आंध्र प्रदेश एवं यनम
- 29 तेलंगाना
- 30 रायलसीमा
- 31 तमिलनाडु, पुदुचेरी एवंम कराईकल
- 32 तटिय कर्नाटक
- 33 आंतरिक उत्तरी कर्नाटक
- 34 आंतरिक दक्षिणी कर्नाटक
- 35 केरल एवंम 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. Orissa
8. Jharkhand
9. Bihar
10. East Uttar Pradesh
11. West Uttar Pradesh
12. Uttarakhand
13. Haryana, Chd & 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. Marathawada
26. Vidharbha
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

## WARNING

<b>WARNING (TAKE ACTION)</b>
<b>ALERT ( BE PREPARED)</b>
<b>WATCH (BE UPDATED)</b>
<b>NO WARNING ( NO ACTION)</b>

## Probabilistic Forecast

Terms	Probability of Occurrence (%)
Unlikely	< 25
Likely	25 - 50
Very Likely	50 - 75
Most Likely	> 75

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

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

**Hot and Humid:** When maximum temperatures remains  $3^{\circ}\text{C}$  above normal along with the above normal relative humidity.