

Current Temperature Status and Heat Wave Warning

Dated: 03rd March, 2025

Time of Issue: 1600 Hrs IST

◆ Observed Temperature Scenario:-

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

- Yesterday's Highest Maximum Temperature on Plains: 38.6°C was reported at Brahmapuri (Vidarbha).
- Markedly above normal (5.1°C or more):- At isolated places over Jharkhand.
- Appreciably above normal (3.1°C to 5.0°C):- At a few places over Coastal Karnataka; at isolated places over Gangetic West Bengal, Konkan & Goa.
- Above normal (1.6°C to 3.0°C):- At many places over Sub-Himalayan West Bengal & Sikkim, Bihar, Chhattisgarh, East Madhya Pradesh; at a few places over Assam & Meghalaya, Vidarbha; at isolated places over East Uttar Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Coastal Andhra Pradesh & Yanam, Madhya Maharashtra, Telangana, Nagaland, Manipur, Mizoram & Tripura, Interior Karnataka.

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

- Markedly above normal (5.1°C or more):- At isolated places over Nagaland, Manipur, Mizoram & Tripura.
- Appreciably above normal (3.1°C to 5.0°C):- At isolated places over Gangetic West Bengal, Bihar and Jharkhand.
- Above normal (1.6°C to 3.0°C):- At many places over Odisha, Chhattisgarh, Konkan & Goa, Madhya Maharashtra, Marathwada, Rayalaseema, Coastal & South Interior Karnataka, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal; at a few places over Assam & Meghalaya; at isolated places over Arunachal Pradesh, East Madhya Pradesh, East Uttar Pradesh, Coastal Andhra Pradesh & Yanam, Rajasthan and Sub-Himalayan West Bengal & Sikkim.

◆ Heat wave conditions:- NIL.

◆ Warm night conditions:- NIL.

◆ Percentile Temperature (Annexure 3) :-

◆ Temperatures Recorded at 1430 Hours IST of Today, the 03rd March, 2025 (Annexure 4) :-

- Kurnool (Rayalaseema) recorded the highest temperature of 38.2°C.

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

◆ Maximum Temperatures Forecast :-

- Fall in maximum temperatures by about 2-3°C likely over Rajasthan during next 3 days and gradual rise by 2-3°C during subsequent 2 days.
- No significant change in maximum temperatures likely over Gujarat region during next 24 hours and gradual fall by about 2-3°C thereafter.
- No significant change in maximum temperatures likely over rest parts of India during next 4-5 days.

Heat Wave Warnings for Next 7 Days

DAY-1:-

- **Heat wave condition** very likely over Coastal Karnataka.
- **Hot & Humid conditions** very likely in isolated pockets of Konkan & Goa.

DAY-2:- Hot & Humid conditions very likely in isolated pockets of Coastal Karnataka and Konkan & Goa.

DAY-3:- Hot & Humid conditions likely in isolated pockets of Coastal Karnataka and Konkan & Goa.

DAY-4:- Hot & Humid conditions likely in isolated pockets of Coastal Karnataka and Konkan & Goa.

DAY-5:- Hot & Humid conditions likely in isolated pockets of Coastal Karnataka.

DAY-6:- NIL.

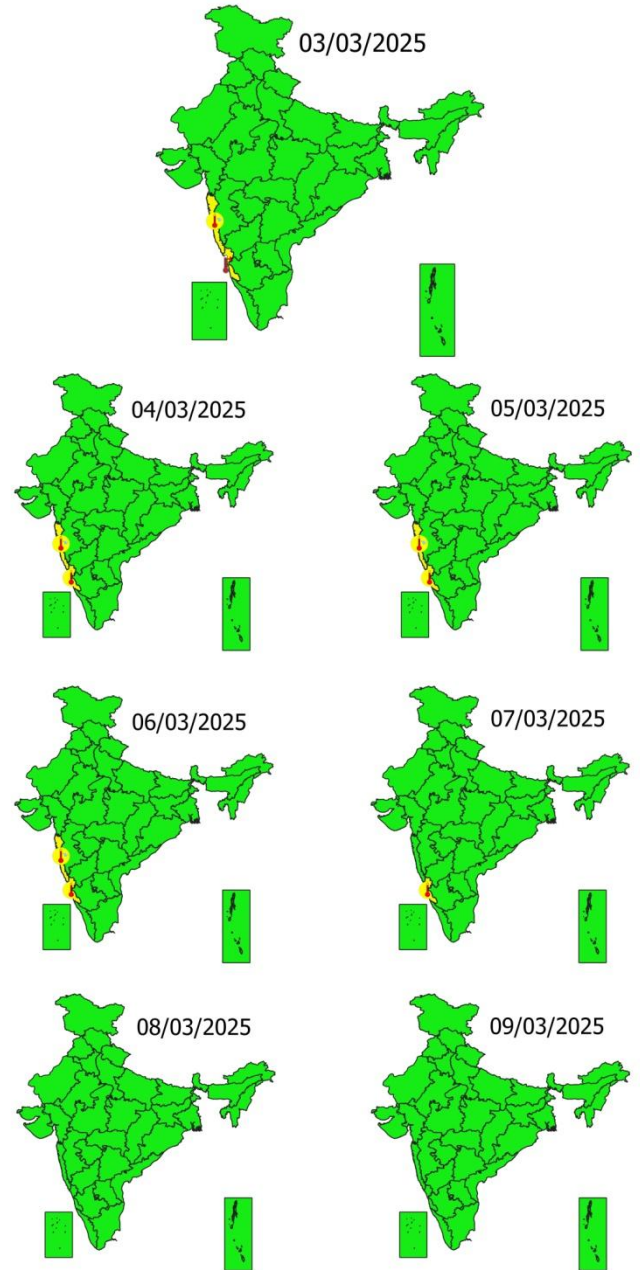
DAY-7:- NIL.

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

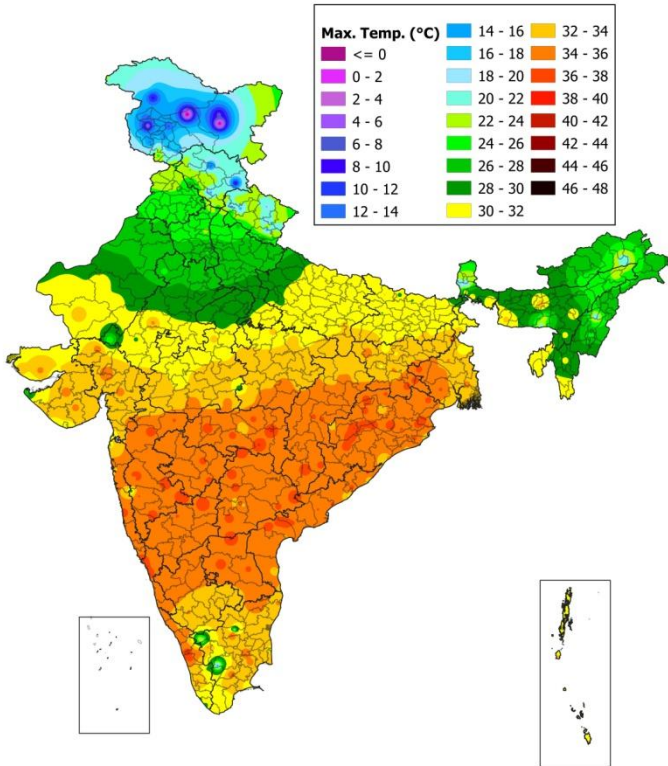


Warning Symbol:	
	Heat Wave
	Warm Night
	Hot & Humid

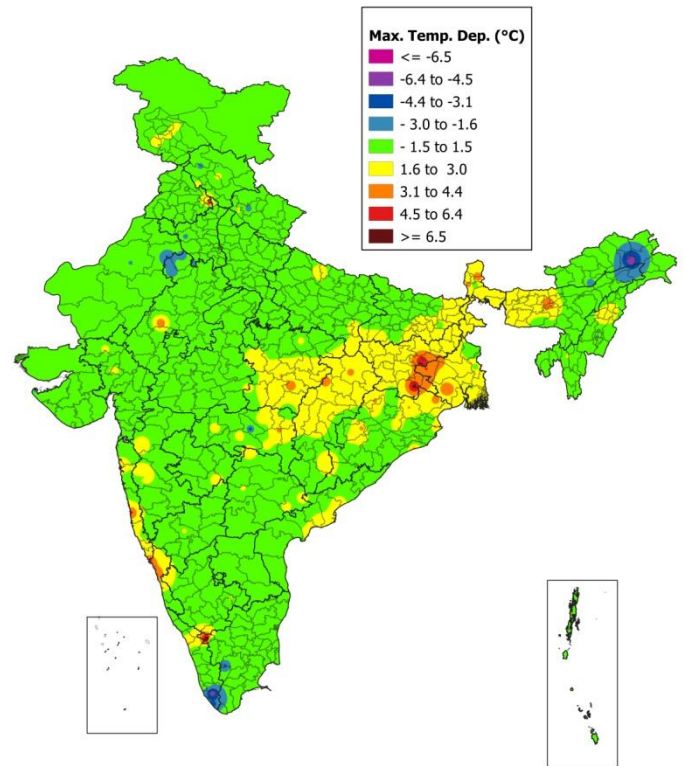
Legend:	
	NO WARNING
	WATCH (BE UPDATED)
	ALERT (BE PREPARED)
	WARNING (TAKE ACTION)

Annexure 1

Maximum Temperature Dated 02/03/2025

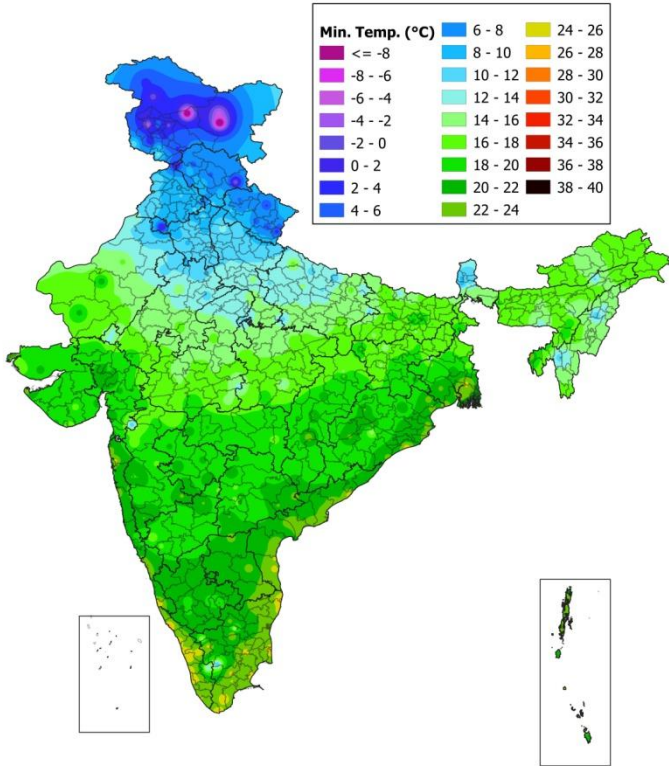


Max Temperature Departure Dated 02/03/2025

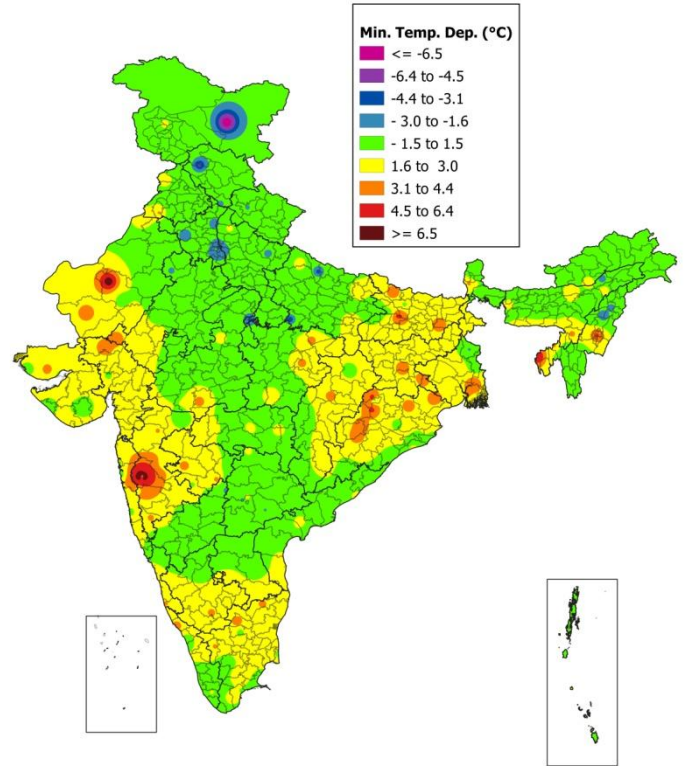


Annexure 2

Minimum Temperature Dated 03/03/2025

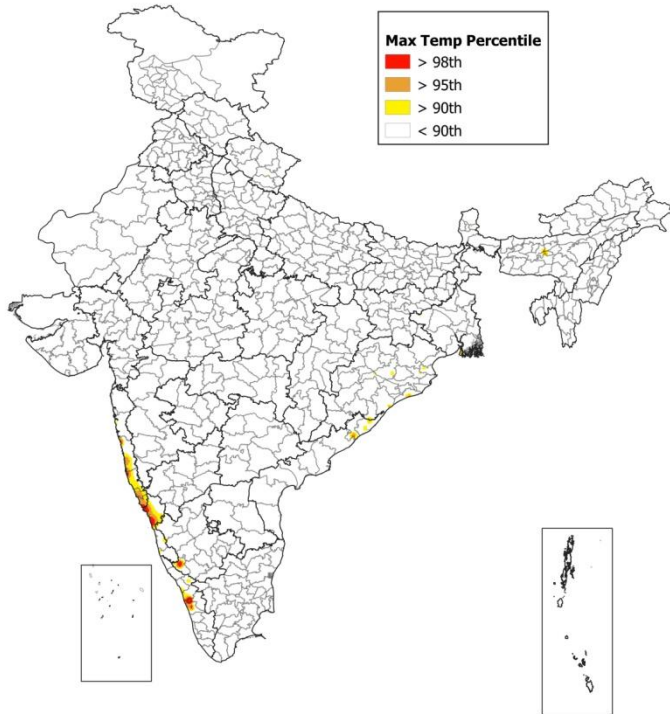


Min Temperature Departure Dated 03/03/2025

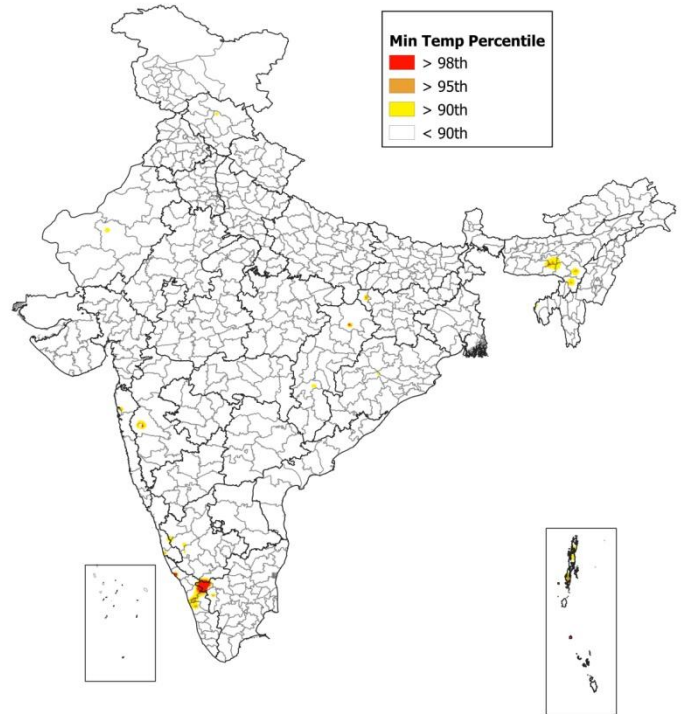


Annexure 3

Max Temp Percentile Dated 02/03/2025

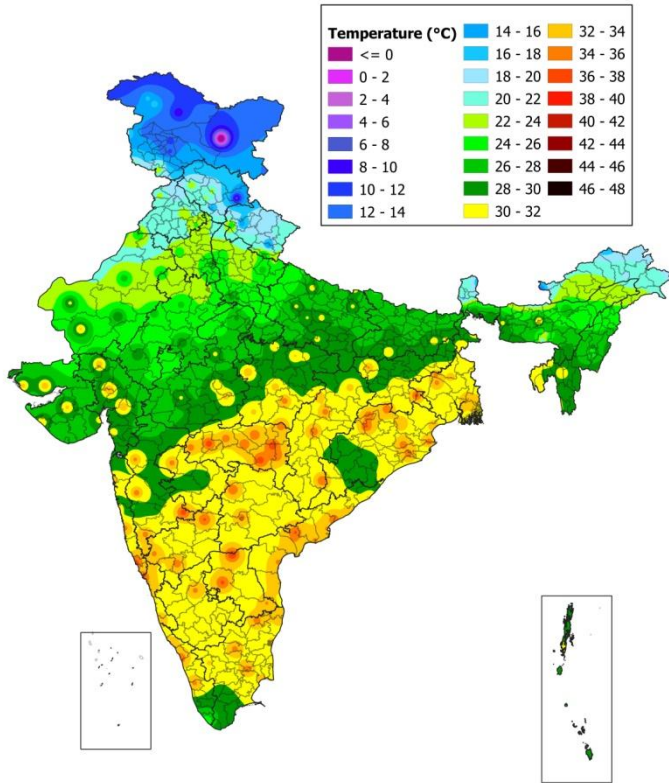


Min Temp Percentile Dated 03/03/2025

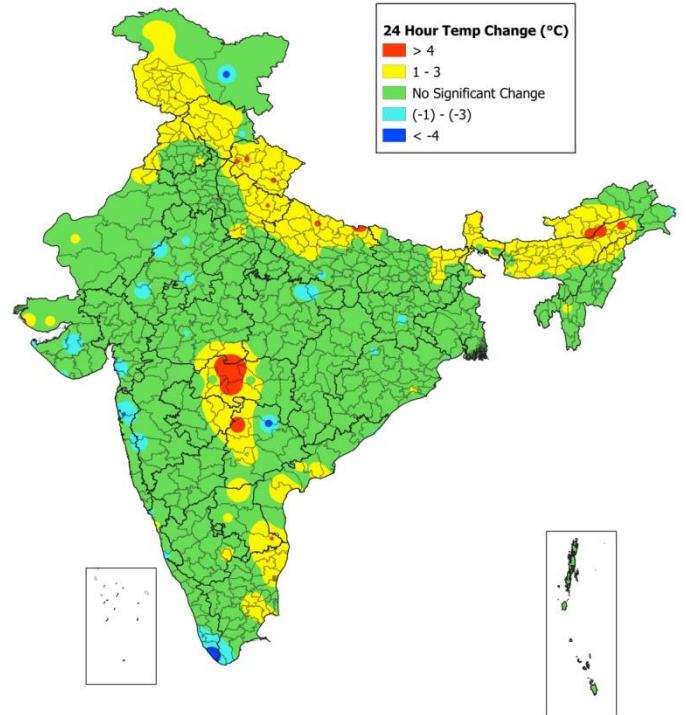


Annexure 4

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

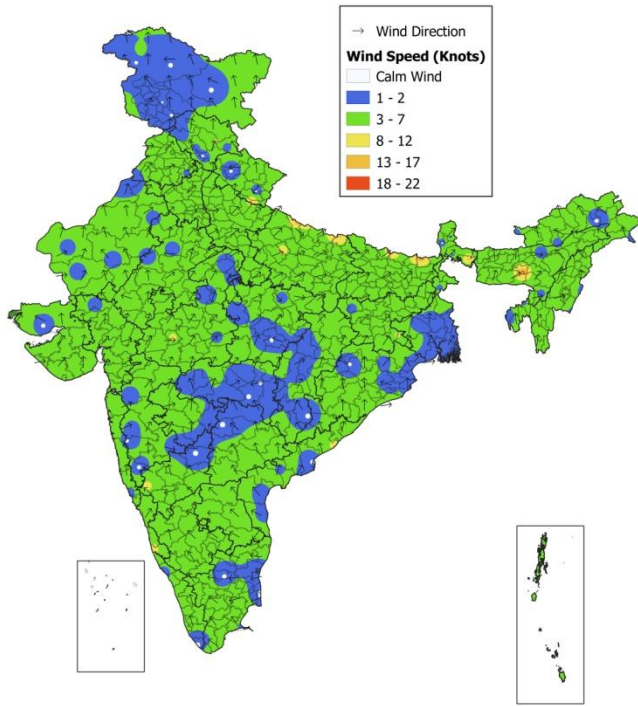


24 hrs Temperature Change at 1430 hrs IST Dated 03/03/2025

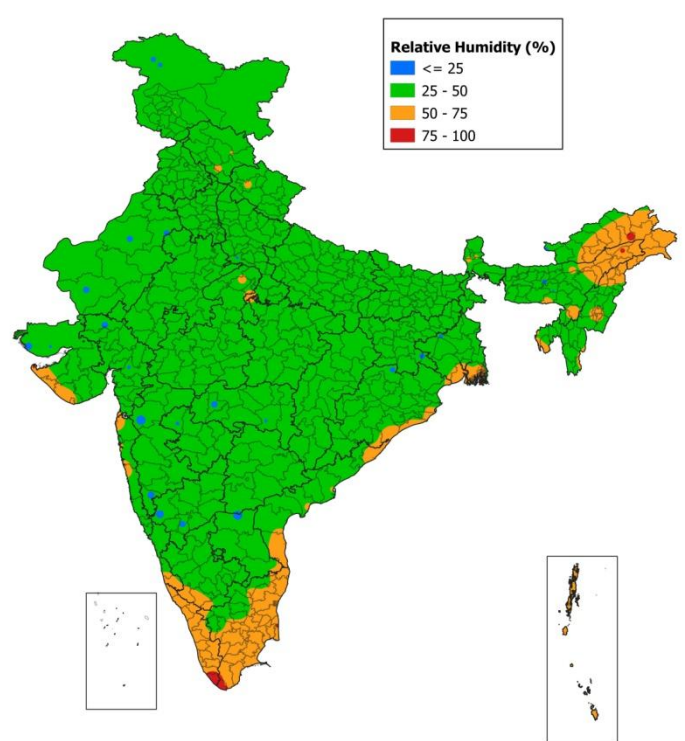


Annexure 5

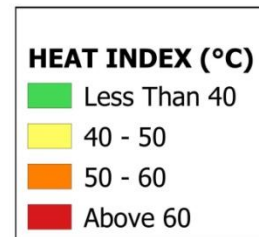
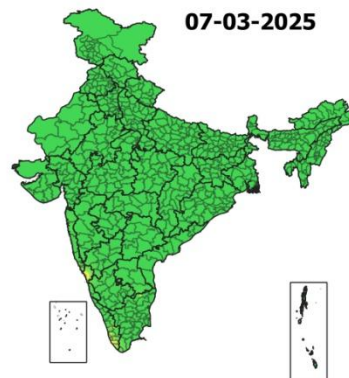
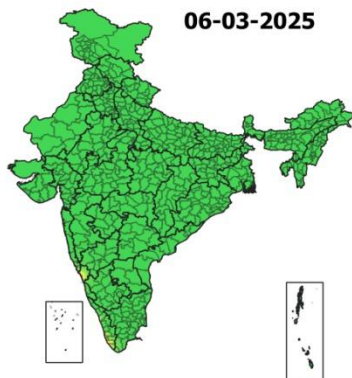
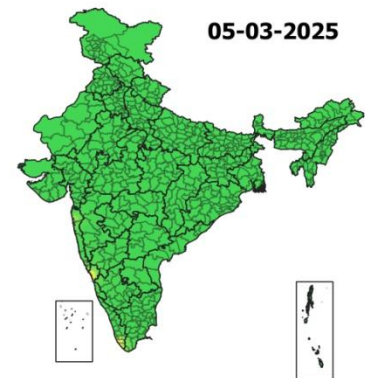
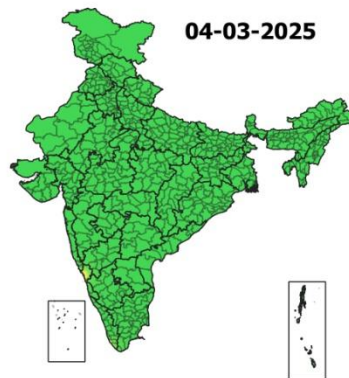
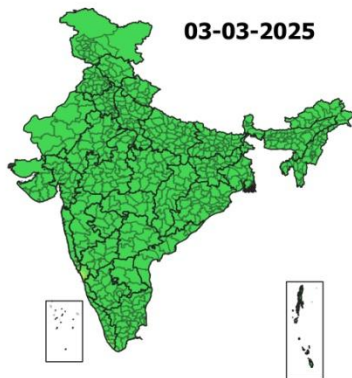
Wind Map at 1430 hrs IST Dated 03/03/2025



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



HEAT INDEX (EXPERIMENTAL FORECAST) DATED 03-03-2025



NOT VALIDATED OVER INDIA

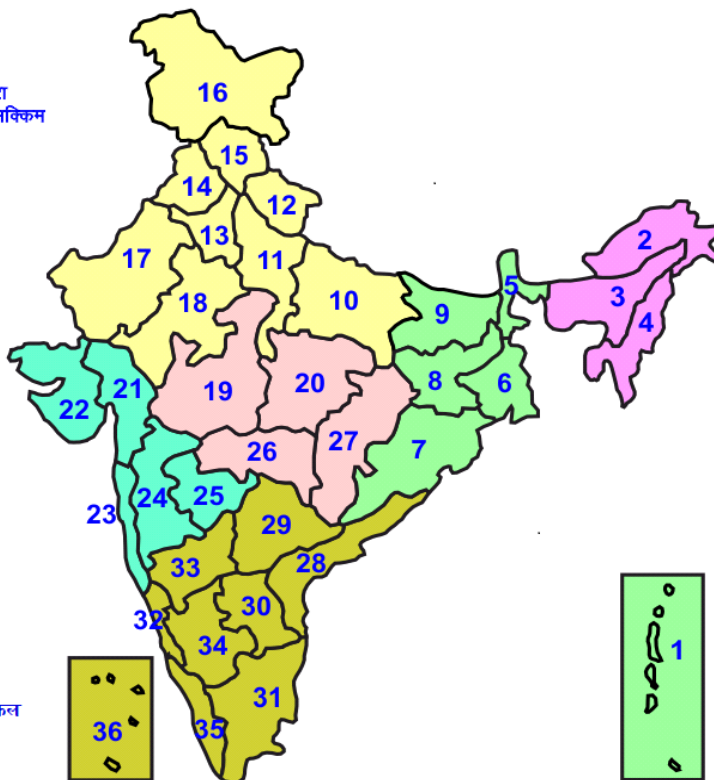
For more details on Heat Waves visit:

https://mausam.imd.gov.in/responsive/heatwave_guidance.php

For any details contact at: heatwavecell.imd@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

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

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°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 $\geq 37^\circ\text{C}$

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

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