

Current Temperature Status and Heat Wave Warning

Dated: 22nd April, 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 of 41°C to 45°C at many places over East Madhya Pradesh, Vidarbha, Odisha; at a few places over Delhi, West Madhya Pradesh, East Uttar Pradesh, Saurashtra & Kutch, Madhya Maharashtra, Marathwada, Telangana, Chhattisgarh; at isolated places over Haryana, West Rajasthan, West Uttar Pradesh and in the range of 36°C to 40°C at many places over Bihar, Jharkhand, Gangetic West Bengal, Gujarat Region, Rayalaseema, Tamil Nadu, Puducherry & Karaikal; at a few places over Punjab, East Rajasthan, North Interior Karnataka, Coastal Andhra Pradesh & Yanam; at isolated places over Konkan & Goa, Kerala & Mahe.
- Yesterday's Highest Maximum Temperature on Plains: 45.6°C was reported at Chandrapur (Vidarbha).
- Markedly above normal (5.1°C or more):- NIL.
- Appreciably above normal (3.1°C to 5.0°C):- at a few places over Vidarbha; at isolated places over East Uttar Pradesh, East Madhya Pradesh, Chhattisgarh and Assam & Meghalaya.
- Above normal (1.6°C to 3.0°C):- at many places over Haryana-Chandigarh, Arunachal Pradesh; at a few places over West Uttar Pradesh; at isolated places over Punjab, Uttarakhand, Saurashtra & Kutch, Konkan & Goa, Marathwada, Odisha, Bihar, Jharkhand and Nagaland, Manipur, Mizoram & Tripura.

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

- Markedly above normal (5.1°C or more):- NIL.
- Appreciably above normal (3.1°C to 5.0°C):- at a few places over Assam & Meghalaya, Gangetic West Bengal; at isolated places over Bihar, Uttar Pradesh, Odisha, Madhya Maharashtra, Sub-Himalayan West Bengal & Sikkim.
- Above normal (1.6°C to 3.0°C):- at a few places over Marathwada and Chhattisgarh; at isolated places over Nagaland, Manipur, Mizoram & Tripura, East Madhya Pradesh, Uttarakhand, Chandigarh, north Telangana, north Coastal Andhra Pradesh & Yanam, north Kerala & Mahe.

♦ Heat wave conditions:- Heat wave conditions prevailed in isolated pockets of Northeast Madhya Pradesh.

♦ Warm night conditions:- Warm night conditions prevailed at isolated places over East Uttar Pradesh.

♦ Percentile Temperature (Annexure 3) :-

♦ Temperatures Recorded at 1430 Hours IST of Today, the 22nd April, 2025 (Annexure 4) :-

- Jharsuguda (Odisha) recorded the highest temperature of 44.8°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 Northwest India during next 5 days and no significant change during subsequent 2 days.
- Rise in maximum temperatures by about 2°C likely over Central India during next 2 Days and no significant change during subsequent 5 days.
- Rise in maximum temperatures by about 2-3°C likely over Gujarat during next 3 Days and no significant change during subsequent 4 days.
- Gradual rise in maximum temperatures by 3-5°C likely over East India during next 3 Days and no significant change during subsequent 2 days; fall by 3-4°C for subsequent 2 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 in isolated pockets over Uttar Pradesh, East Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Odisha and Telangana.
- **Hot and Humid** very likely at isolated places over Jharkhand, Konkan & Goa, Gujarat state, Kerala & Mahe, Tamil Nadu, Puducherry & Karaikal, Coastal Andhra Pradesh & Yanam and Rayalaseema.
- **Warm Night** conditions very likely at isolated places over East Uttar Pradesh, Odisha and Bihar.

DAY-2:-

- **Heat wave** conditions very likely in isolated pockets over Uttar Pradesh, East Madhya Pradesh, Vidarbha, Chhattisgarh, Gangetic West Bengal, Bihar, Odisha and Telangana.
- **Hot and Humid** very likely at isolated places over Jharkhand, Konkan & Goa, Madhya Maharashtra, Marathwada, Gujarat state, Coastal Andhra Pradesh & Yanam, Rayalaseema and Tamil Nadu, Puducherry & Karaikal.
- **Warm Night** conditions very likely at isolated places over East Uttar Pradesh, Gangetic West Bengal, Bihar and Odisha.

DAY-3:-

- **Heat wave** conditions very likely in isolated pockets over Punjab, Haryana-Chandigarh-Delhi, Uttar Pradesh, north Rajasthan, Madhya Pradesh, Vidarbha, Chhattisgarh, Gangetic West Bengal, Bihar, Odisha and Telangana.
- **Hot and Humid** very likely at isolated places over Jharkhand, Madhya Maharashtra, Marathwada, Gujarat state, Coastal Andhra Pradesh & Yanam, Rayalaseema and Tamil Nadu, Puducherry & Karaikal.
- **Warm Night** conditions very likely at isolated places over Gangetic West Bengal, Bihar and Odisha.

DAY-4:-

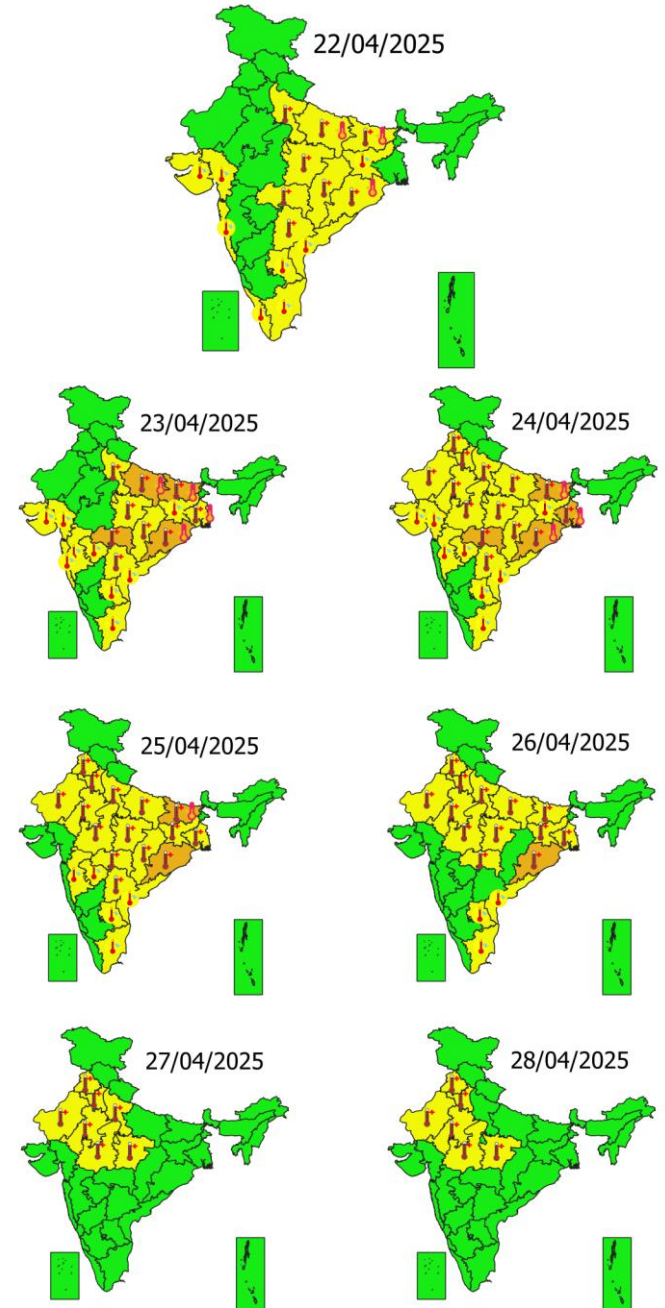
- **Heat wave** conditions likely in isolated pockets over Punjab, Haryana-Chandigarh-Delhi, Uttar Pradesh, north Rajasthan, Madhya Pradesh, Vidarbha, Chhattisgarh, Gangetic West Bengal, Bihar, Jharkhand, Odisha and Telangana.
- **Hot and Humid** likely at isolated places over Madhya Maharashtra, Marathwada, Coastal Andhra Pradesh & Yanam, Rayalaseema and Tamil Nadu, Puducherry & Karaikal.
- **Warm Night** conditions likely at isolated places over Bihar.

DAY-5:-

- **Heat wave** conditions likely in some parts of north Rajasthan; in isolated pockets over Punjab, Haryana-Chandigarh-Delhi, Uttar Pradesh, Madhya Pradesh, Vidarbha, Gangetic West Bengal, Bihar, Jharkhand and Odisha.
- **Hot and Humid** likely at isolated places over Coastal Andhra Pradesh & Yanam, Rayalaseema and Tamil Nadu, Puducherry & Karaikal.

DAY-6:- Heat wave conditions likely in some parts of north Rajasthan; in isolated pockets over Punjab, Haryana-Chandigarh-Delhi, West Uttar Pradesh and Madhya Pradesh.

7 DAYS HEAT WAVE/HOT WEATHER WARNING MAP



Warning Symbol:

- Heat Wave
- Warm Night
- Hot & Humid

Legend:

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

DAY-7:- Heat wave conditions likely in isolated pockets over Punjab, Haryana-Chandigarh-Delhi, north Rajasthan and Madhya Pradesh.

IMPACT EXPECTED & ACTION SUGGESTED (Heat Wave/ Severe Heat Wave) :

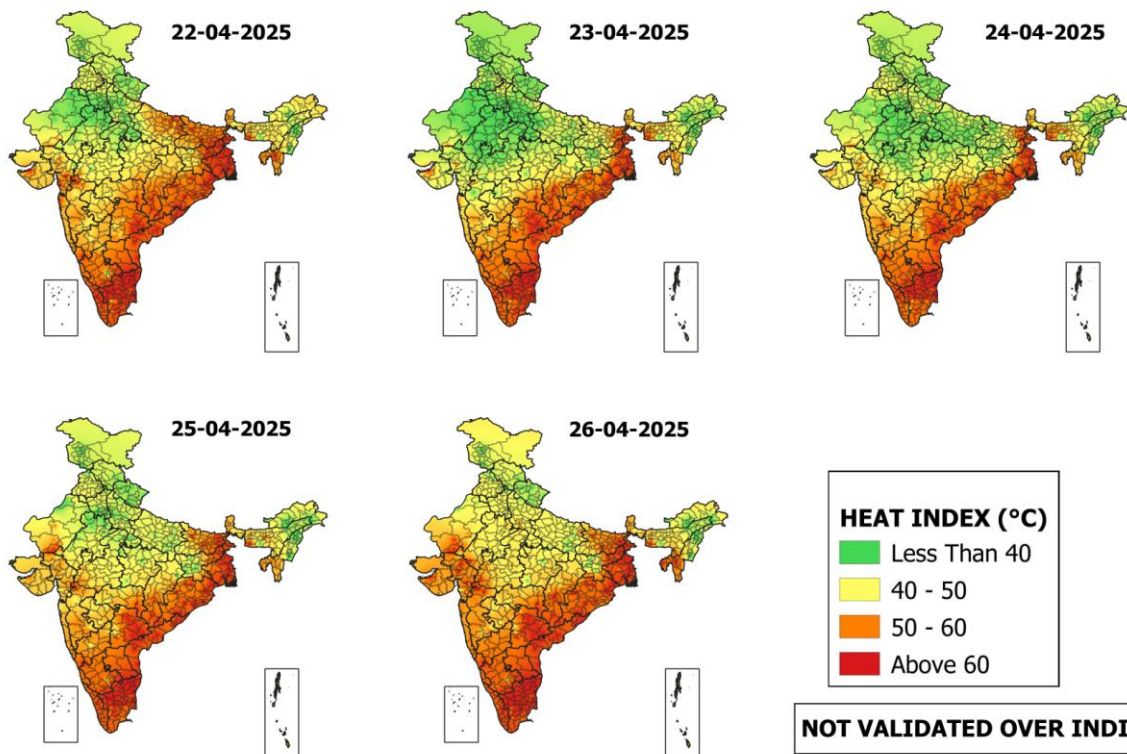
Yellow Alert Areas:

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.

Orange Alert Areas:

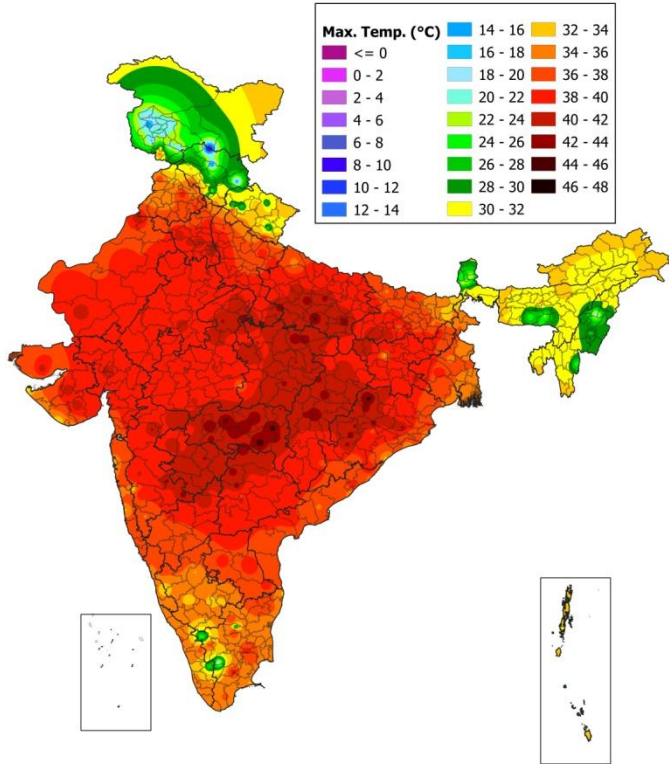
1. High temperature. Increased likelihood of heat illness symptoms in people who are either exposed to sun for a prolonged period or doing heavy work. High health concern for vulnerable people e.g. infants, elderly, people with chronic diseases.
2. (a) Avoid heat exposure – keep cool. Avoid dehydration. (b) Drink sufficient water- even if not thirsty. (c) Use ORS, homemade drinks like lassi, torani (rice water), lemon water, buttermilk, etc. to keep yourself hydrated.

HEAT INDEX (EXPERIMENTAL FORECAST) DATED 22-04-2025

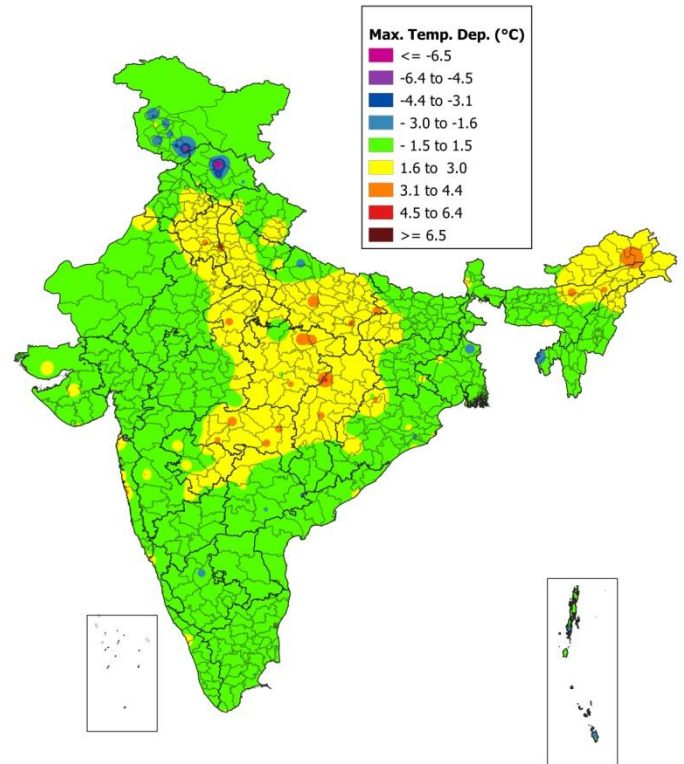


Annexure 1

Maximum Temperature Dated 21/04/2025

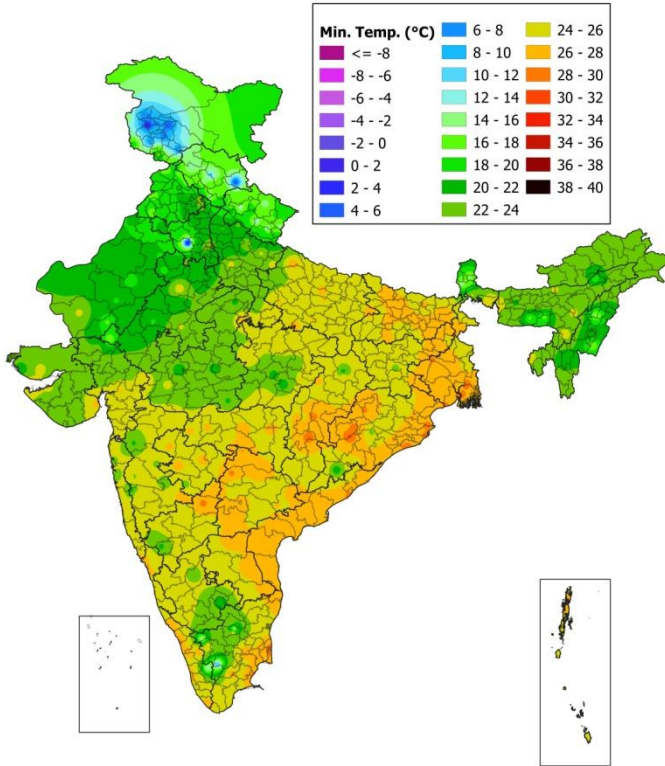


Max Temperature Departure Dated 21/04/2025

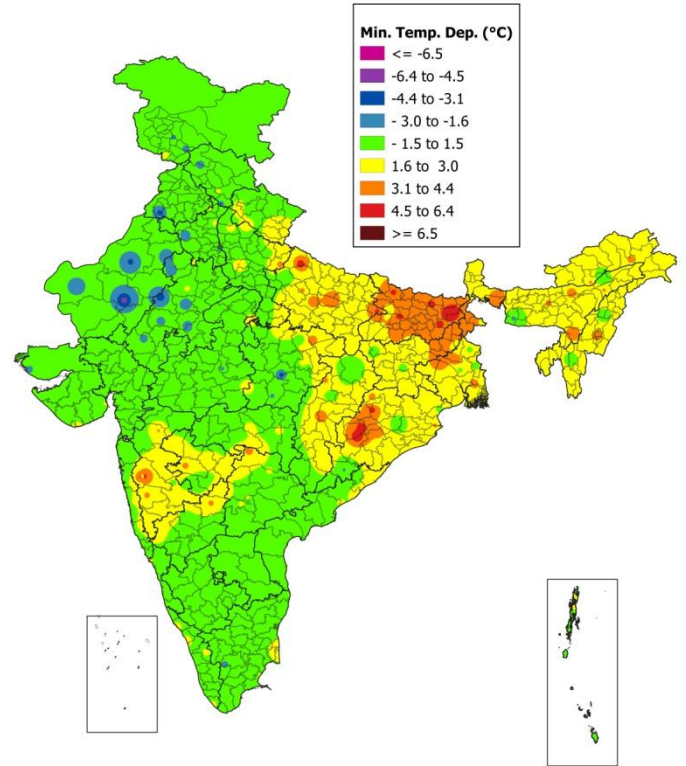


Annexure 2

Minimum Temperature Dated 22/04/2025

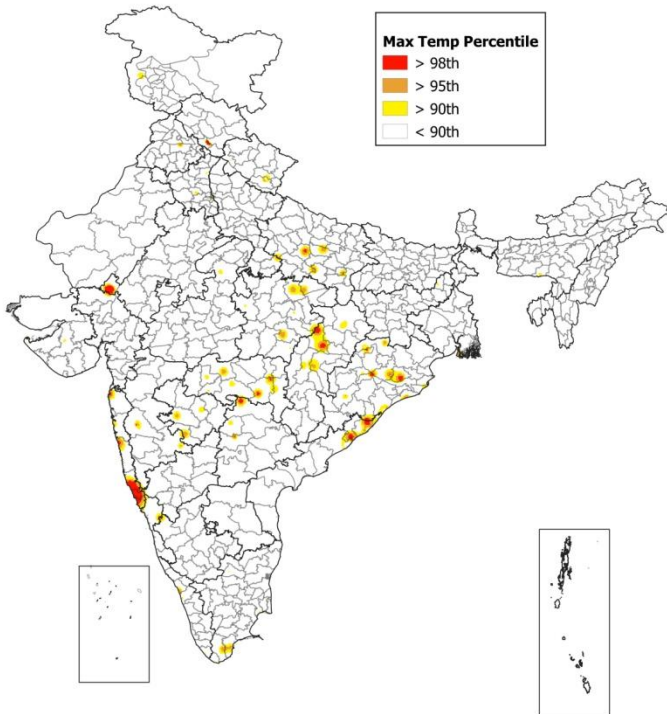


Min Temperature Departure Dated 22/04/2025

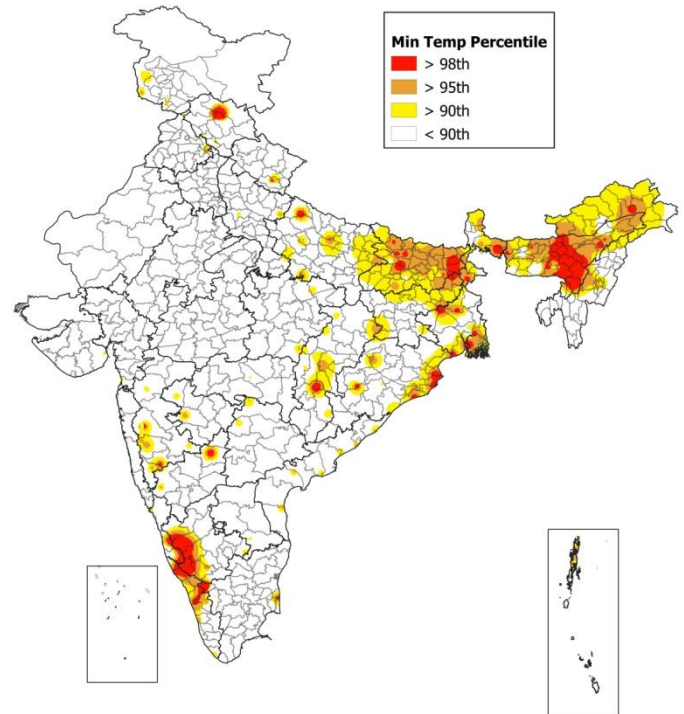


Annexure 3

Max Temp Percentile Dated 21/04/2025

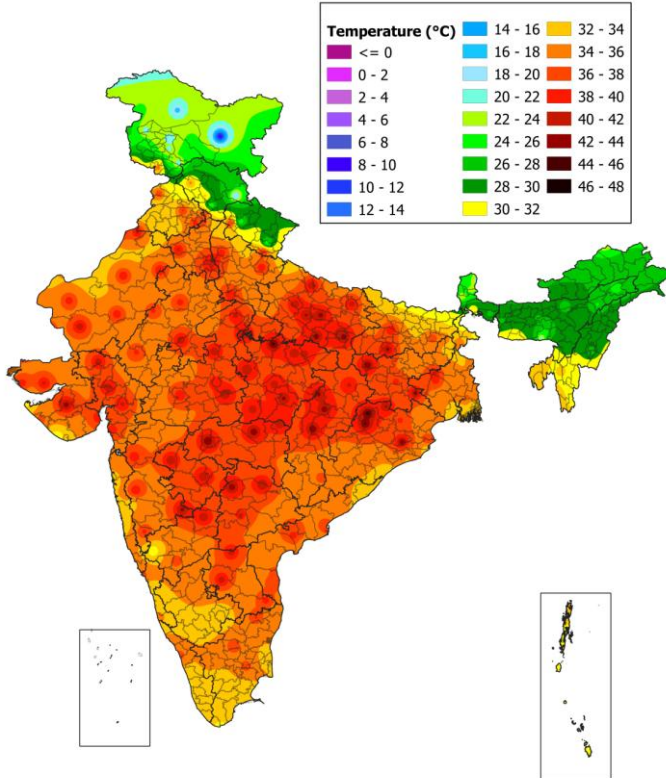


Min Temp Percentile Dated 22/04/2025

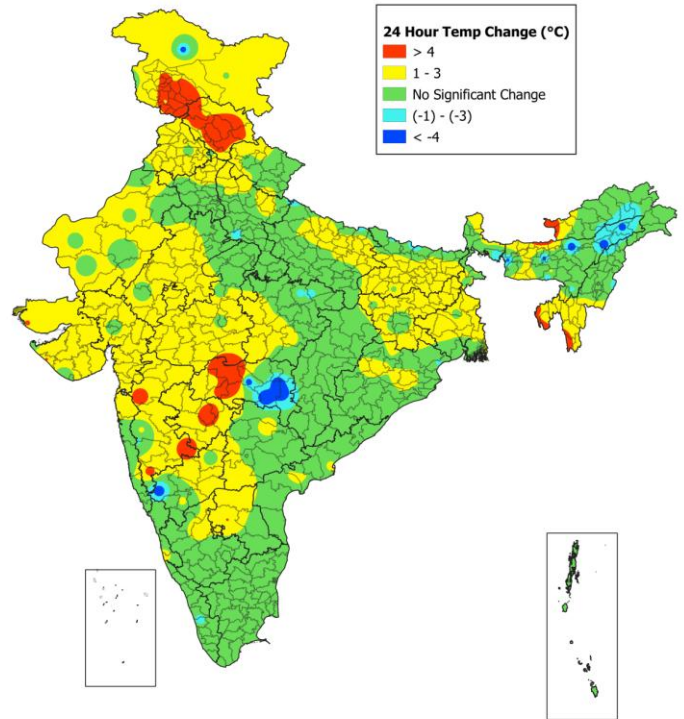


Annexure 4

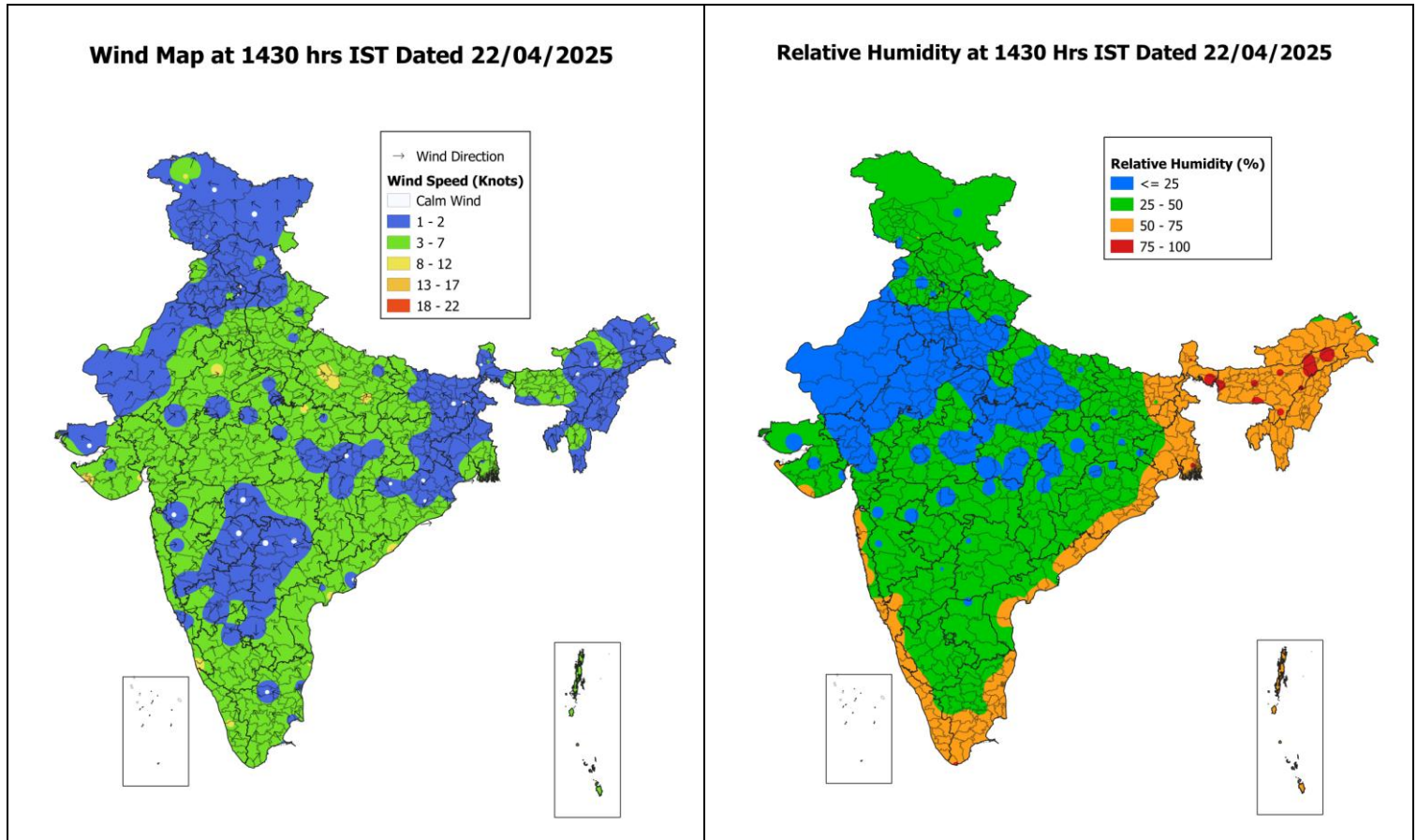
Observed Temperature at 1430 hrs IST Dated 22/04/2025



24 hrs Temperature Change at 1430 hrs IST Dated 22/04/2025



Annexure 5



For Districtwise heat wave warning visit:

<https://mausam.imd.gov.in/responsive/districtWiseHeatwaveWarning.php>

For more details on Heat Waves visit:

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

For any details contact at: heatwaveimd@gmail.com

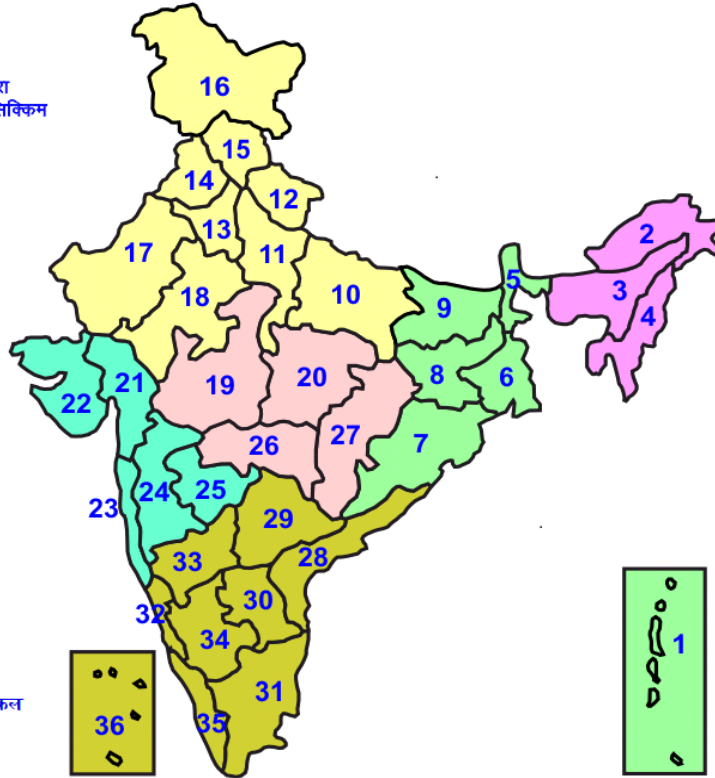
Or

Scan the following QR code:



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 बंगाल
- 7 ओडिसा
- 8 झारखंड
- 9 बिहार
- 10 पूर्वी उत्तर प्रदेश
- 11 पश्चिम उत्तर प्रदेश
- 12 उत्तराखंड
- 13 हरियाणा चंडीगढ़ एवं दिल्ली
- 14 पंजाब
- 15 हिमाचल प्रदेश
- 16 जम्मू एवं कश्मीर एवं लद्दाख
- 17 पश्चिम राजस्थान
- 18 पूर्वी राजस्थान
- 19 पश्चिम मध्य प्रदेश
- 20 पूर्वी मध्य प्रदेश
- 21 गुजरात क्षेत्र
- 22 सौराष्ट्र एवं कच्छ
- 23 कोंकण एवं गोवा
- 24 मध्य महाराष्ट्र
- 25 मराठावाडा
- 26 विदर्भ
- 27 छत्तीसगढ़
- 28 तटीय आंध्र प्रदेश एवं यनम
- 29 तेलंगाना
- 30 रायलसीमा
- 31 तमिलनाडु, पुदुचेरी एवं कराईकल
- 32 तटिय कर्नाटक
- 33 आंतरिक उत्तरी कर्नाटक
- 34 आंतरिक दक्षिणी कर्नाटक
- 35 केरल एवं 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. Marathwada
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 $> 6.4^\circ \text{C}$.

Heat Wave

Warm Night

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