

Current Temperature Status and Heat Wave Warning

Dated: 06th April, 2024

Time of Issue: 1630 Hrs IST

♦ Observed Temperature Scenario:-

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

- Yesterday, Maximum temperatures were in the range of 40-43°C over most parts of Vidarbha and Odisha; many parts of Rayalaseema; some parts of Chhattisgarh, Jharkhand, Gangetic West Bengal, Madhya Maharashtra, Coastal Andhra Pradesh & Yanam, North Interior Karnataka, Telangana and Tamil Nadu and at isolated places over East Uttar Pradesh and southwest Madhya Pradesh, which were above normal by 2-4°C.
- **Yesterday's Highest Maximum Temperature on Plains:** 43.7°C at **Nandyal (Rayalaseema)**.
- **Markedly above normal (5.1°C or more):-** NIL.
- **Appreciably above normal (3.1°C to 5.0°C):-** At a few places over Gangetic West Bengal, Odisha and Rayalaseema; at isolated places over Bihar, Sub-Himalayan West Bengal & Sikkim, Nagaland, Manipur, Mizoram & Tripura, East Madhya Pradesh, Saurashtra & Kutch, Konkan & Goa, Telangana, North Interior Karnataka, Coastal Andhra Pradesh & Yanam and Tamil Nadu, Puducherry & Karaikal.
- **Above normal (1.6°C to 3.0°C) :-** At most places over Punjab and Jharkhand; at many places over Uttar Pradesh, Chhattisgarh, Marathwada and Kerala & Mahe; at a few places over Haryana-Chandigarh-Delhi; at isolated places over Himachal Pradesh, Uttarakhand, Assam & Meghalaya, Vidarbha, Madhya Maharashtra, South Interior Karnataka and Andaman & Nicobar Islands.

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 Uttar Pradesh; at isolated places over Bihar, Gujarat Region, Madhya Maharashtra, West Bengal & Sikkim, Nagaland, Manipur, Mizoram & Tripura.
- **Above normal (1.6°C to 3.0°C) :-** At most places over North Interior Karnataka, Marathwada; at many places over Assam & Meghalaya, Odisha, Saurashtra & Kutch and Telangana; at a few places over Madhya Pradesh, Vidarbha, Chhattisgarh, Coastal Andhra Pradesh & Yanam and Kerala & Mahe; at isolated places over East Rajasthan, Konkan & Goa and Arunachal Pradesh.

♦ **Heat wave conditions:-** Yesterday, **heat wave to severe heat wave conditions** prevailed in some parts of Odisha and **heat wave conditions** in some parts of Gangetic West Bengal and Jharkhand.

♦ **Warm night conditions:-** NIL.

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

♦ **Temperatures Recorded at 1430 Hours IST of Today, the 06th April, 2024 (Annexure 4) :-**

- **Kurnool (Rayalaseema)** recorded the highest temperature of 44.0°C.

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

♦ **Maximum Temperatures Forecast :-**

- Gradual fall by 2-3°C in maximum temperatures very likely over many parts of Northwest India during next 4-5 days.
- No significant change in maximum temperatures very likely over many parts of Central India and interior Maharashtra during next 24 hours and gradual fall by 2-4°C thereafter.
- No significant change in maximum temperatures very likely over many parts of East India during next 24 hours; gradual fall by 3-4°C for subsequent 2 days and no significant change thereafter.
- No significant change in maximum temperatures very likely over rest parts of the country.

Hot Weather Warnings for Next 5 Days

DAY-1:-

- ❖ Warm night very likely to prevail in isolated pockets over Odisha, East Madhya Pradesh, Madhya Maharashtra, Marathwada, Telangana and North Interior Karnataka.
- ❖ Heat wave conditions very likely in isolated pockets over Gangetic West Bengal, Jharkhand, Odisha, Tamil Nadu, Puducherry & Karaikal, Coastal Andhra Pradesh & Yanam, Rayalaseema, Telangana and Interior Karnataka.
- ❖ Hot and humid weather very likely to prevail over West Bengal, Odisha, coastal areas of Gujarat State, Konkan & Goa, Coastal Karnataka and Kerala & Mahe.

DAY-2:-

- ❖ Warm night very likely to prevail in isolated pockets over Telangana and North Interior Karnataka.
- ❖ Heat wave conditions very likely in isolated pockets over Tamil Nadu, Puducherry & Karaikal, Telangana and Interior Karnataka.
- ❖ Hot and humid weather very likely to prevail over coastal areas of Gujarat State, Konkan & Goa, Coastal Karnataka, Rayalaseema, Coastal Andhra Pradesh & Yanam and Kerala & Mahe.

DAY-3:-

- ❖ Hot and humid weather very likely to prevail over coastal areas of Gujarat State, Rayalaseema, Coastal Andhra Pradesh & Yanam, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.

DAY-4:-

- ❖ Hot and humid weather likely to prevail over coastal areas of Gujarat State, Rayalaseema, Coastal Andhra Pradesh & Yanam, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.

DAY-5:-

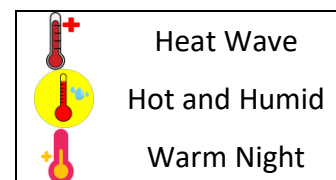
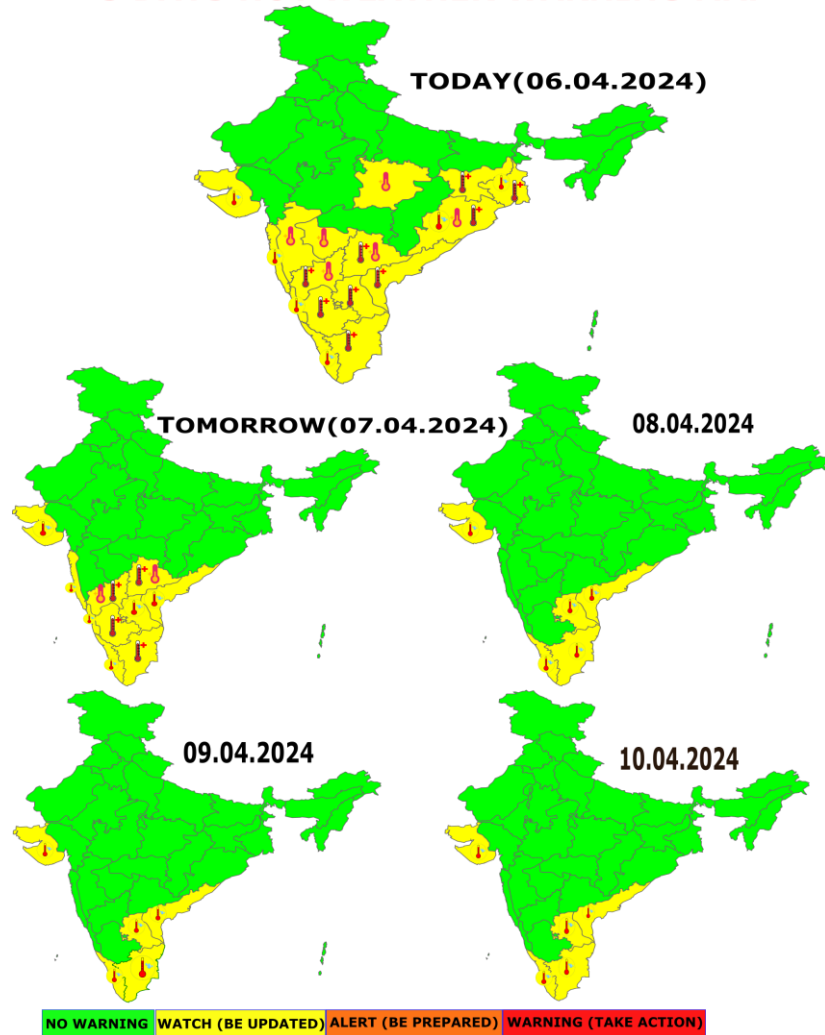
- ❖ Hot and humid weather likely to prevail over coastal areas of Gujarat State, Rayalaseema, Coastal Andhra Pradesh & Yanam, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.

IMPACT & 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.

5 DAYS HOT WEATHER WARNING MAP



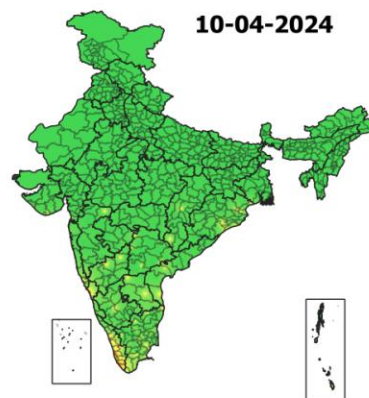
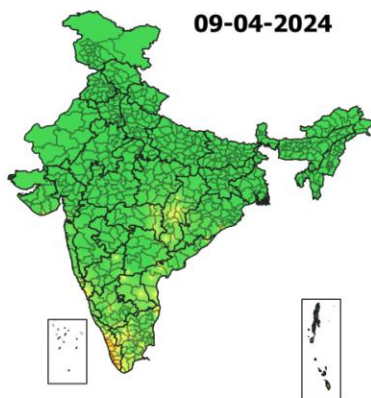
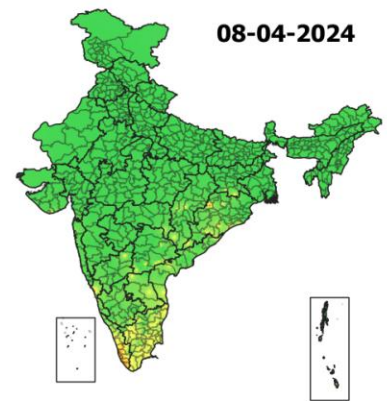
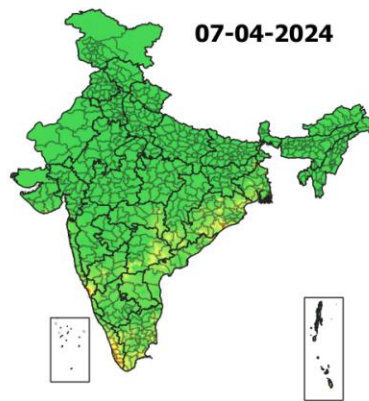
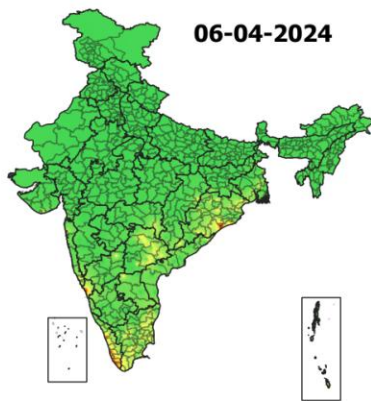
For Districtwise heat wave warning visit:

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

For GIS Based Heat Wave Warning visit:

http://103.215.208.18/dwr_img/GIS/heatwave.html

HEAT INDEX (EXPERIMENTAL FORECAST) DATED 06-04-2024



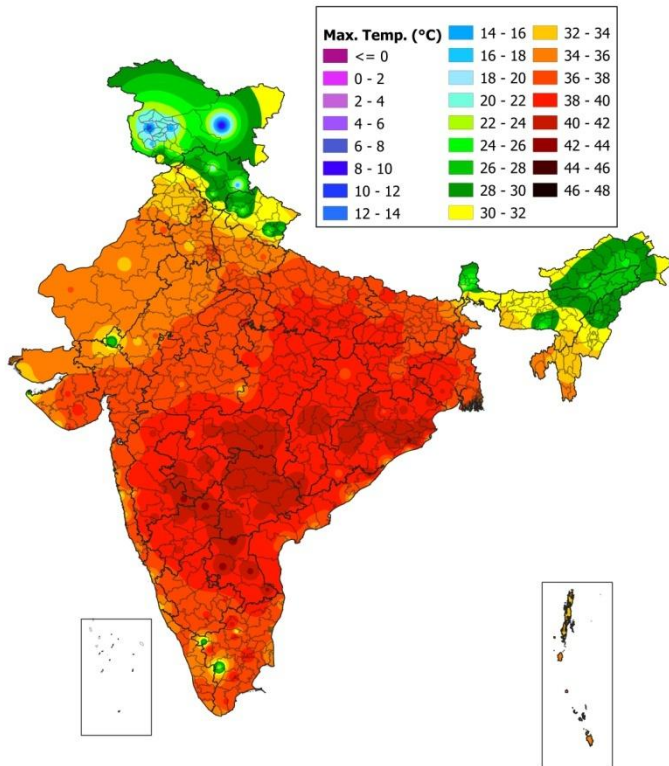
HEAT INDEX (°C)

- Less Than 40
- 40 - 50
- 50 - 60
- Above 60

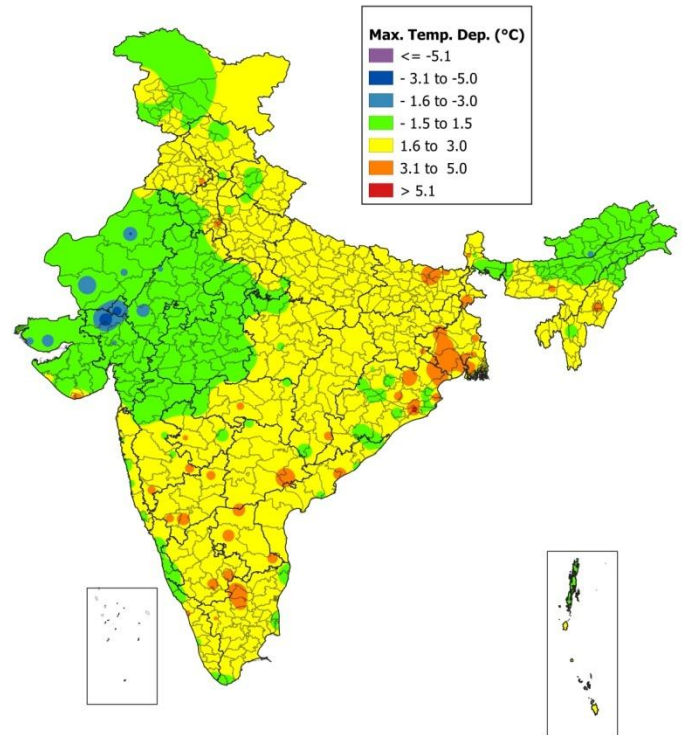
NOT VALIDATED OVER INDIA

Annexure 1

Maximum Temperature Dated 05/04/2024

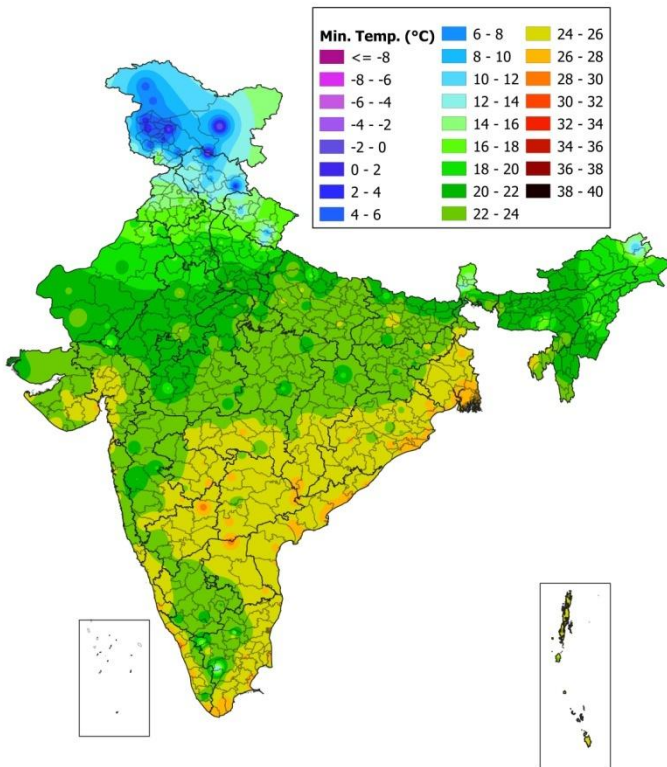


Max Temperature Departure Dated 05/04/2024

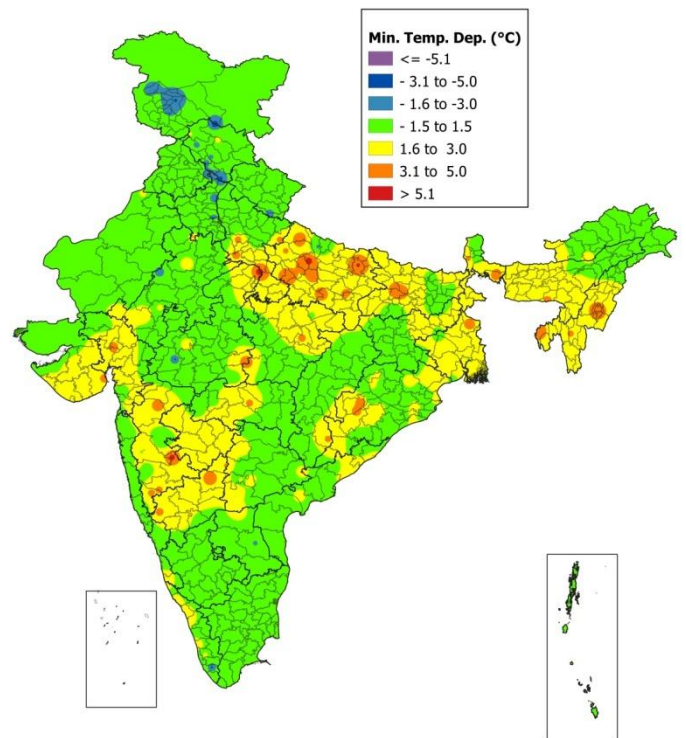


Annexure 2

Minimum Temperature Dated 06/04/2024

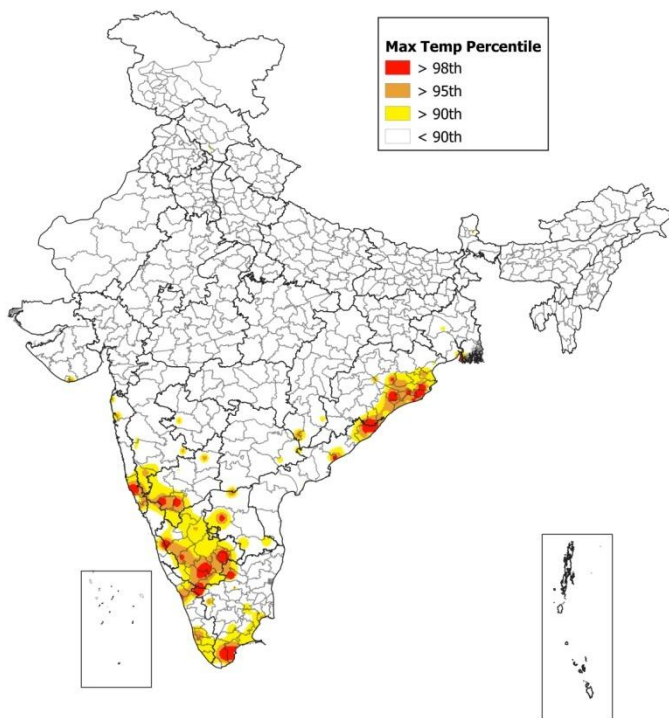


Min Temperature Departure Dated 06/04/2024

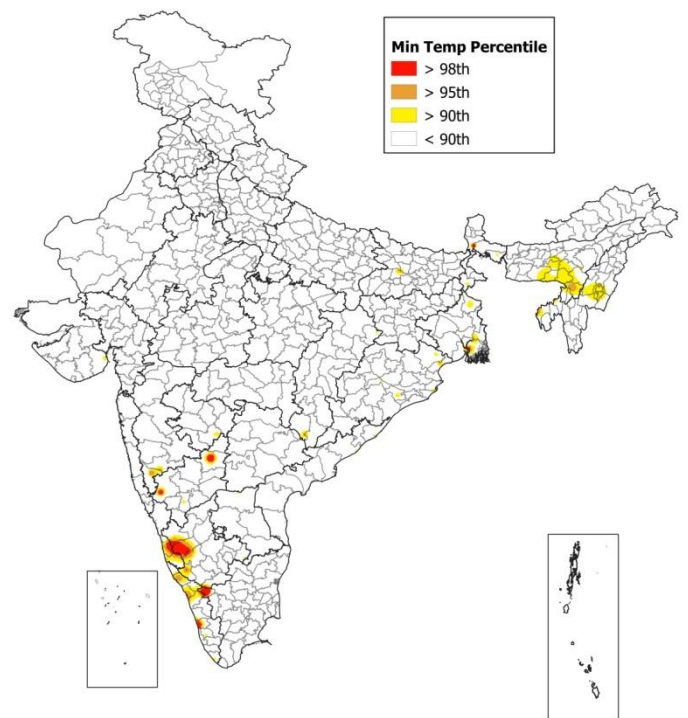


Annexure 3

Max Temp Percentile Dated 05/04/2024

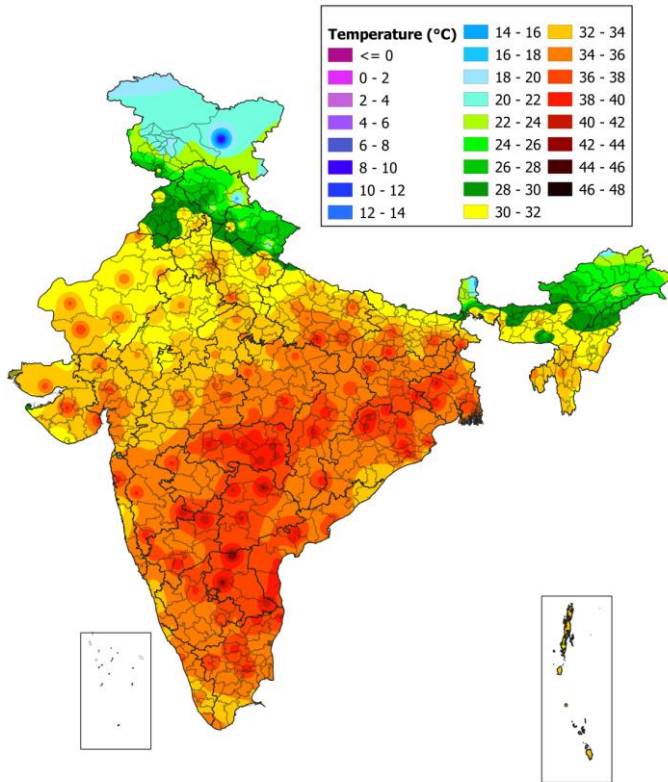


Min Temp Percentile Dated 06/04/2024

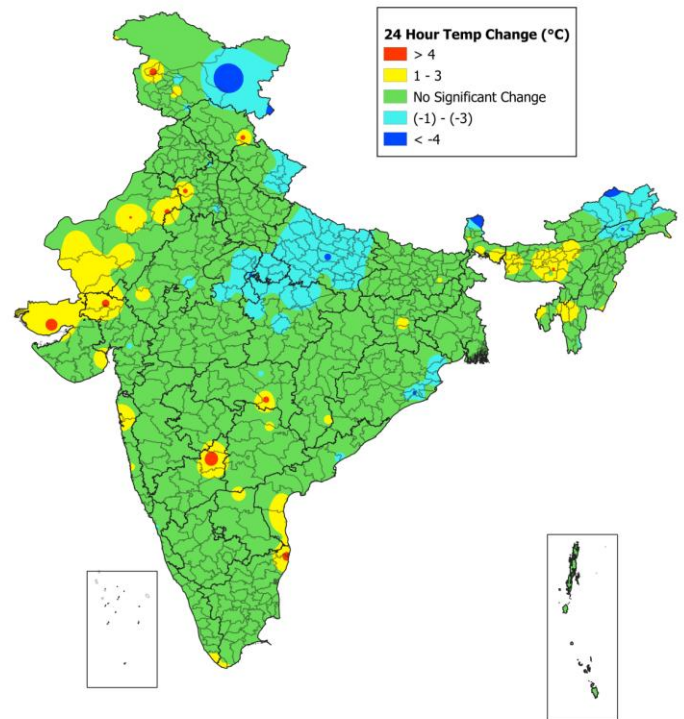


Annexure 4

Observed Temperature at 1430 hrs IST Dated 06/04/2024

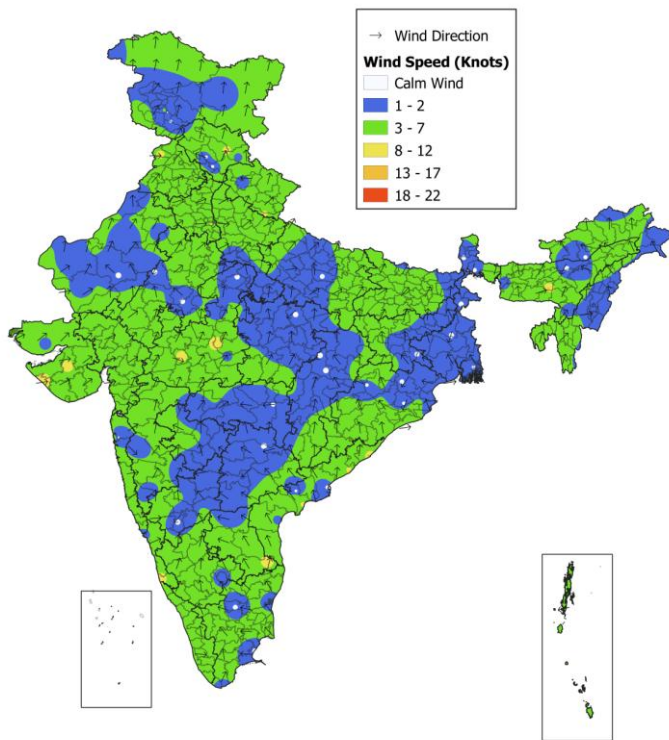


24 hrs Temperature Change at 1430 hrs IST Dated 06/04/2024

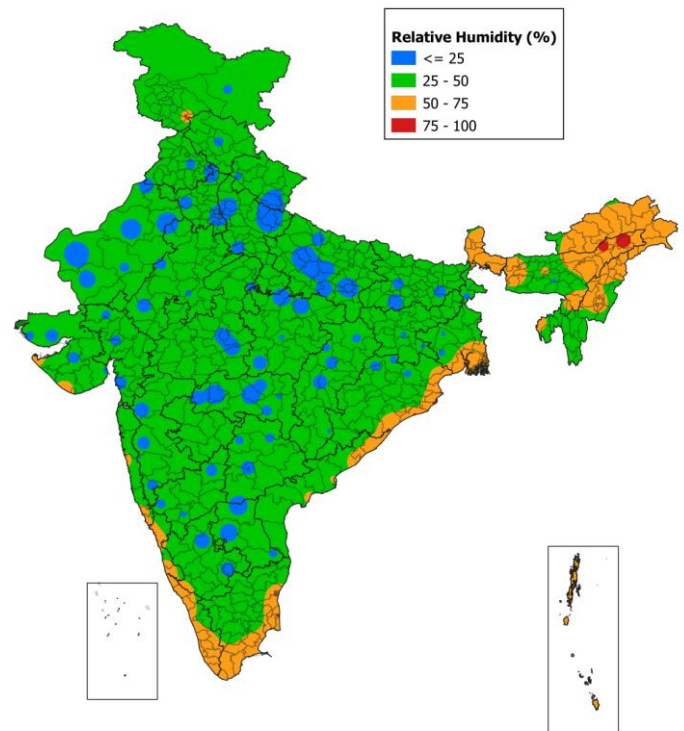


Annexure 5

Wind Map at 1430 hrs IST Dated 06/04/2024

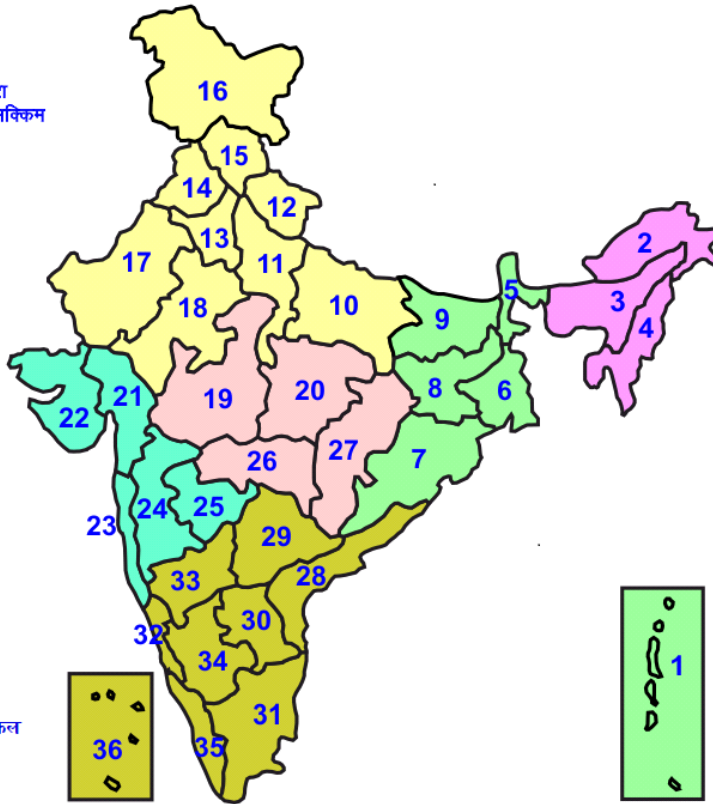


Relative Humidity at 1430 Hrs IST Dated 06/04/2024



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 गंगेय 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. 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 $\geq 37^\circ \text{C}$



Heat Wave



Warm Night

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