

Current Temperature Status and Heat Wave Warning

Dated: 05th 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 40-42°C over many parts of Vidarbha, Telangana and Rayalaseema, some parts of East Uttar Pradesh, Jharkhand, Odisha, Marathwada, Coastal Andhra Pradesh & Yanam and North Interior Karnataka and at isolated pockets over Gangetic West Bengal, Madhya Pradesh, Chhattisgarh, Madhya Maharashtra, Tamil Nadu and Kerala.
- Yesterday, the maximum temperature exceeded 98th percentile over isolated pockets over north Uttar Pradesh, Rayalaseema, Karnataka and Kerala.
- **Yesterday's Highest Maximum Temperature on Plains:** 43.3°C at **Anantapur (Rayalaseema)**.
- **Markedly above normal (5.1°C or more):-** NIL.
- **Appreciably above normal (3.1°C to 5.0°C):-** At isolated places over Haryana-Chandigarh-Delhi, Uttar Pradesh, Jharkhand, Chhattisgarh, Rayalaseema, East Madhya Pradesh.
- **Above normal (1.6°C to 3.0°C):-** At most places over Himachal Pradesh, Punjab, Bihar, West Bengal & Sikkim, Vidarbha, Interior Karnataka, Tamil Nadu, Puducherry & Karaikal; at many places over Uttarakhand, Odisha, Marathwada, Kerala & Mahe; at a few places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Madhya Maharashtra, Coastal Andhra Pradesh & Yanam; at isolated places over Rajasthan.

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 many places over Bihar; at a few places over Jharkhand; at isolated places over Marathwada, North Interior Karnataka, West Bengal & Sikkim and Nagaland, Manipur, Mizoram & Tripura.
- **Above normal (1.6°C to 3.0°C):-** At most places over Uttar Pradesh, Madhya Pradesh, Madhya Maharashtra, Vidarbha and Chhattisgarh; at many places over Haryana-Chandigarh-Delhi, Rajasthan, Gujarat state and Odisha; at a few places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh, Uttarakhand, Punjab, Assam & Meghalaya, Telangana and Coastal Andhra Pradesh & Yanam; at isolated places over Konkan & Goa, South Interior Karnataka, Arunachal Pradesh, Rayalaseema, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe.

◆ **Heat wave conditions:-** Yesterday, **Heat wave conditions** prevailed in isolated pockets of North Interior Karnataka, Coastal Andhra Pradesh & Yanam and Rayalaseema.

◆ **Warm night conditions:-** NIL.

◆ Percentile Temperature (Annexure 3) :-

◆ Temperatures Recorded at 1430 Hours IST of Today, the 05th April, 2024 (Annexure 4) :-

- **Bhubaneswar (Odisha)** recorded the highest temperature of 43.2°C.

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

◆ Maximum Temperatures Forecast :-

- The maximum temperature likely to exceed 98th percentile at isolated pockets over Karnataka, south Kerala & Rayalaseema during 05th - 07th and north interior Tamil Nadu on 06th & 07th April, 2024.
- No significant change in maximum temperatures very likely over many parts of East & Central India during next 2 days and gradual fall by 2-3°C 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, Jharkhand, Bihar, Marathwada and North Interior Karnataka.
- ❖ Heat wave conditions very likely at isolated places over Odisha, Gangetic West Bengal, Jharkhand, Bihar, Vidarbha, North Interior Karnataka, Telangana, Rayalaseema and Coastal Andhra Pradesh & Yanam.
- ❖ Hot and humid weather very likely to prevail over Konkan & Goa, Coastal Karnataka, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal..

DAY-2:-

- ❖ Warm night very likely to prevail in isolated pockets over Odisha, Jharkhand, Bihar, Marathwada and North Interior Karnataka.
- ❖ Heat wave conditions very likely at isolated places over Odisha, Gangetic West Bengal, Jharkhand, Bihar, Vidarbha, North Interior Karnataka, Telangana, Rayalaseema and Coastal Andhra Pradesh & Yanam.
- ❖ Hot and humid weather very likely to prevail over Konkan & Goa, Coastal Karnataka, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.

DAY-3:-

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

DAY-4:-

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

DAY-5:-

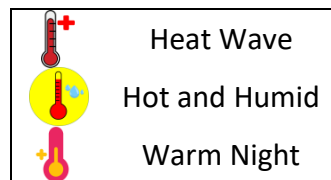
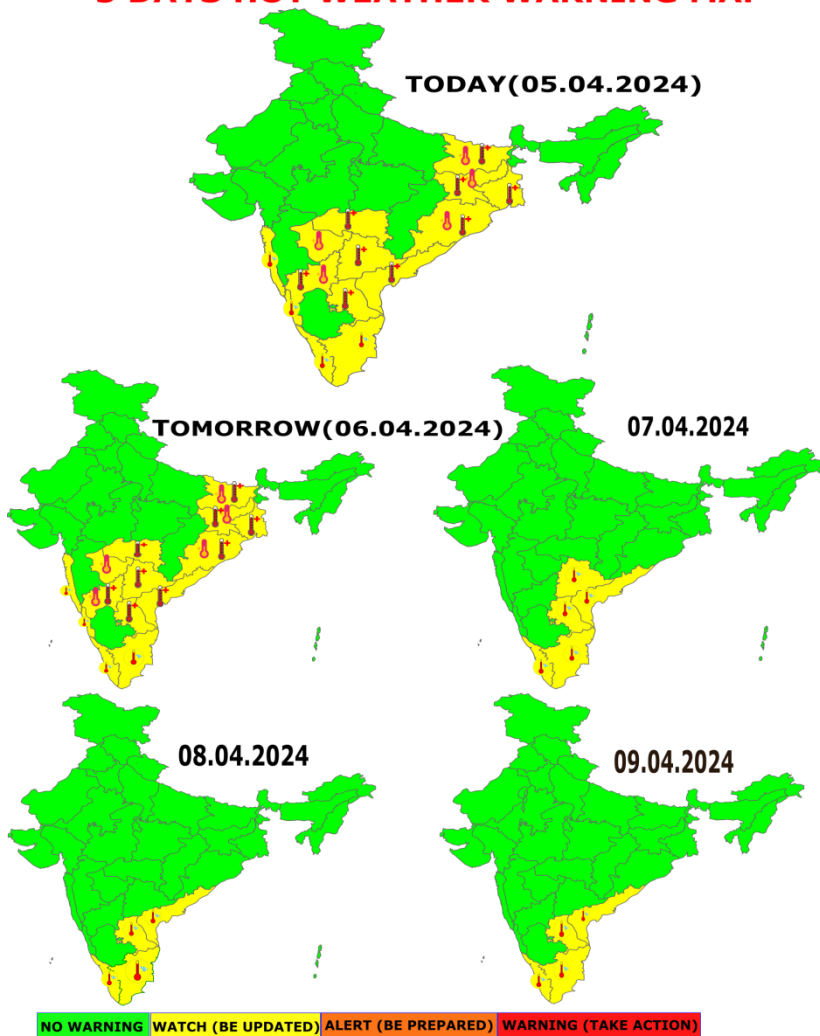
- ❖ Hot and humid weather likely to prevail over Coastal Andhra Pradesh & Yanam, Rayalaseema, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.

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



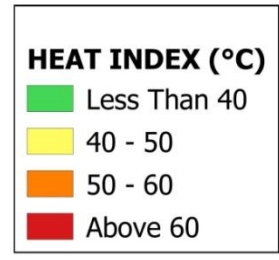
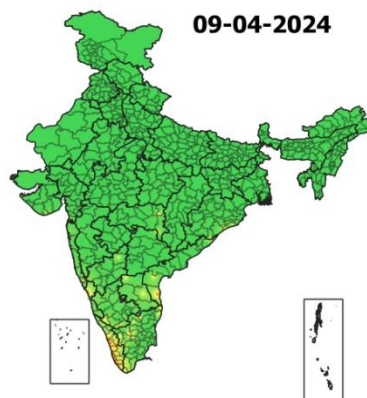
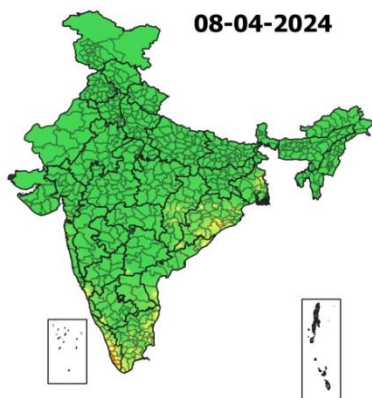
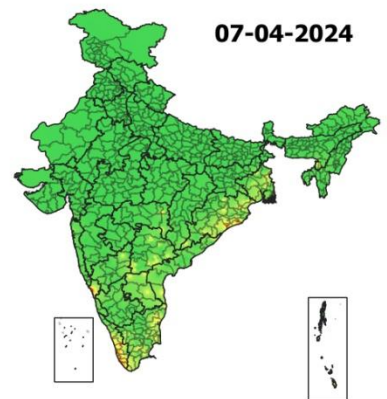
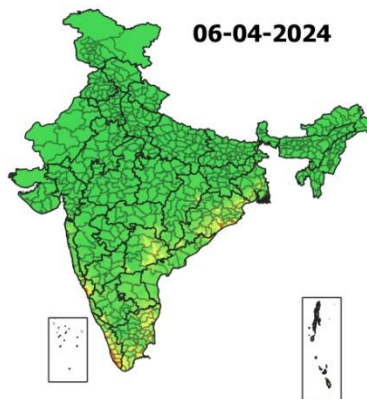
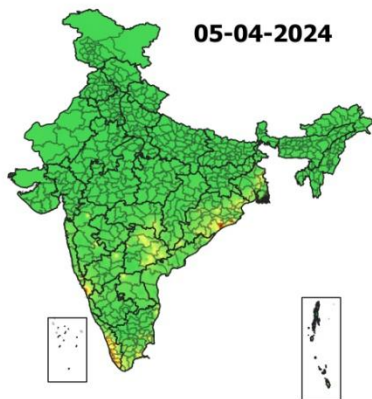
For Districtwise heat wave warning visit:

<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

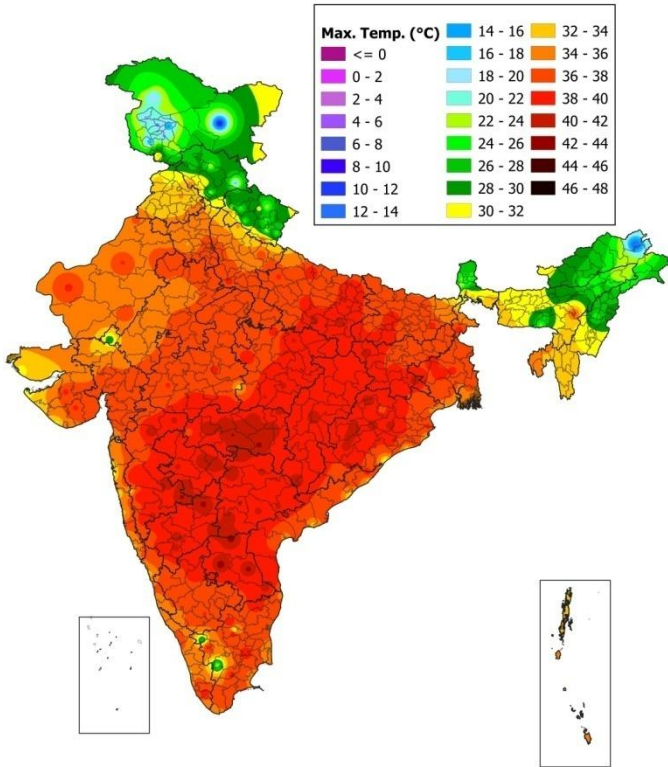
HEAT INDEX (EXPERIMENTAL FORECAST) DATED 05-04-2024



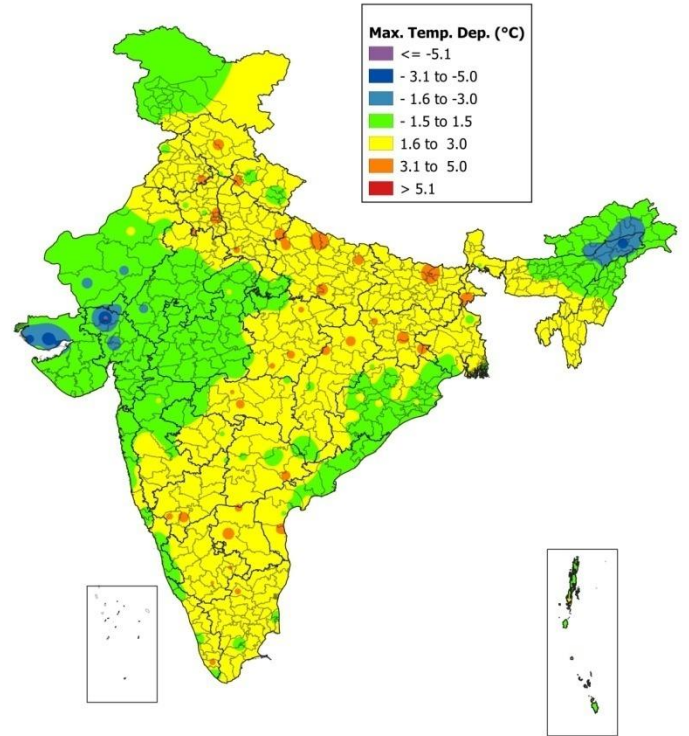
NOT VALIDATED OVER INDIA

Annexure 1

Maximum Temperature Dated 04/04/2024

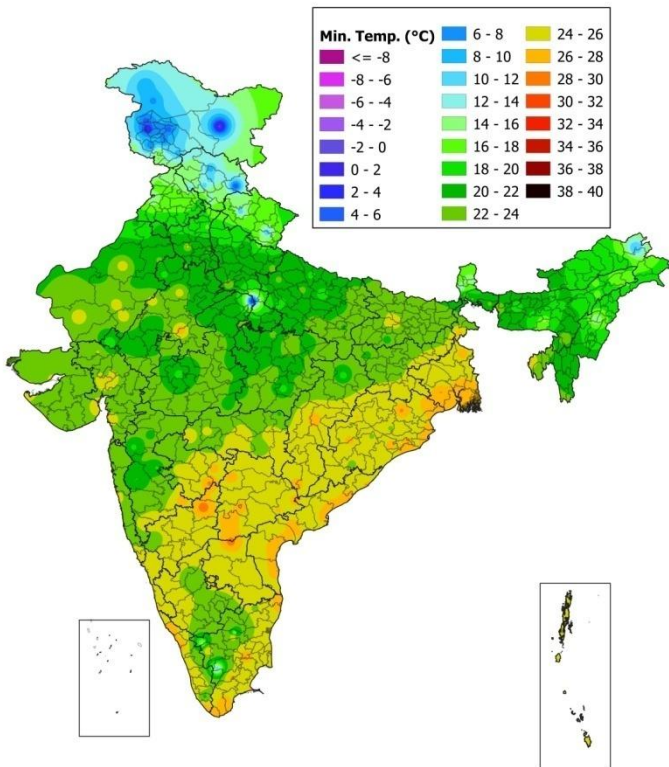


Max Temperature Departure Dated 04/04/2024

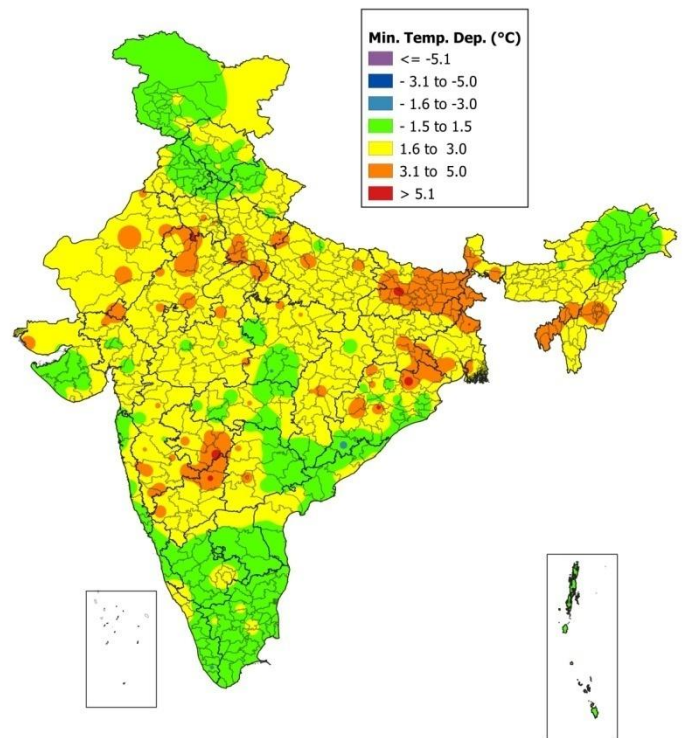


Annexure 2

Minimum Temperature Dated 05/04/2024

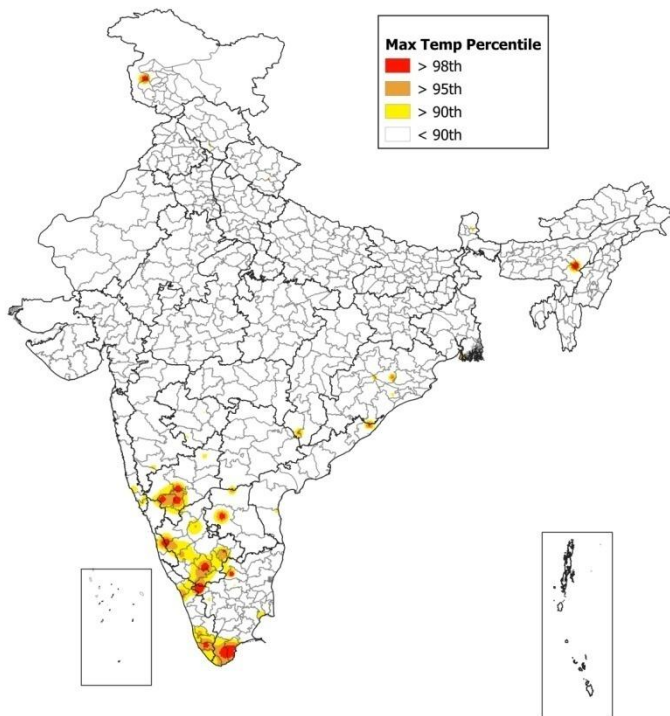


Min Temperature Departure Dated 05/04/2024

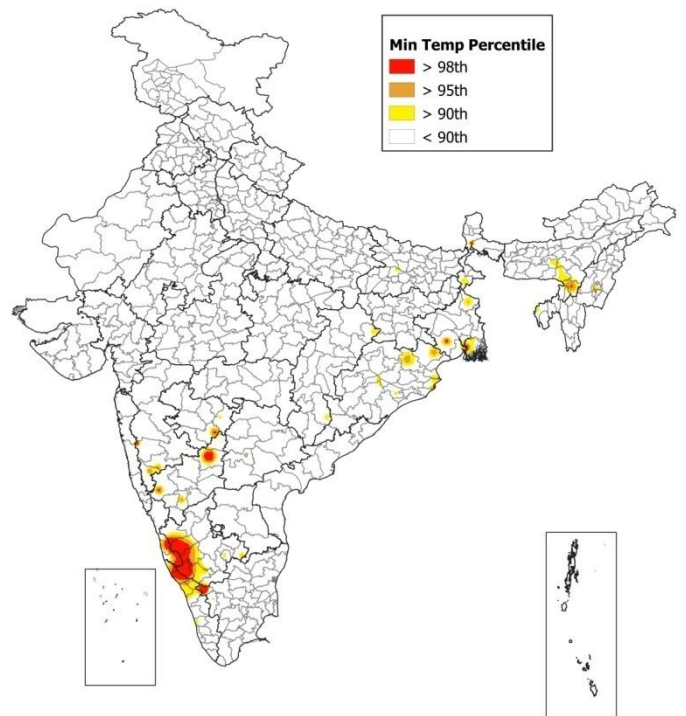


Annexure 3

Max Temp Percentile Dated 04/04/2024

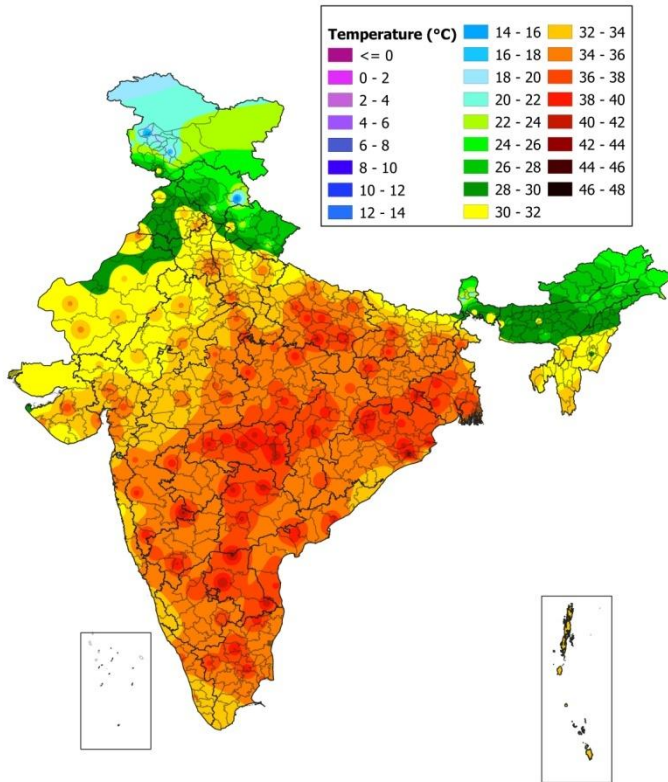


Min Temp Percentile Dated 05/04/2024

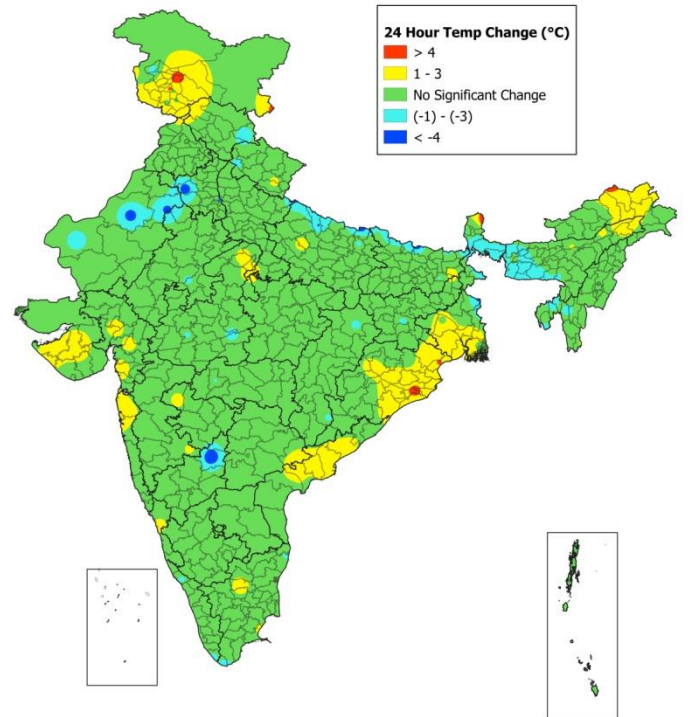


Annexure 4

Observed Temperature at 1430 hrs IST Dated 05/04/2024

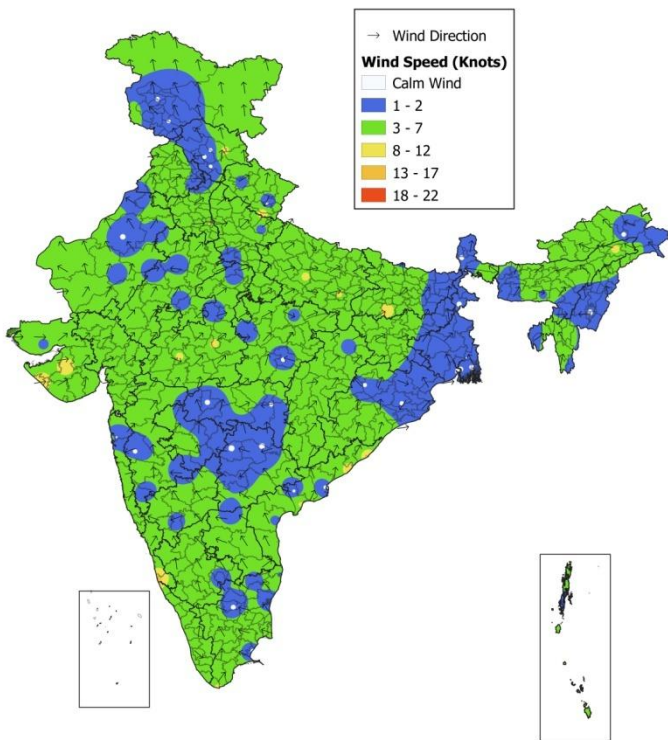


24 hrs Temperature Change at 1430 hrs IST Dated 05/04/2024

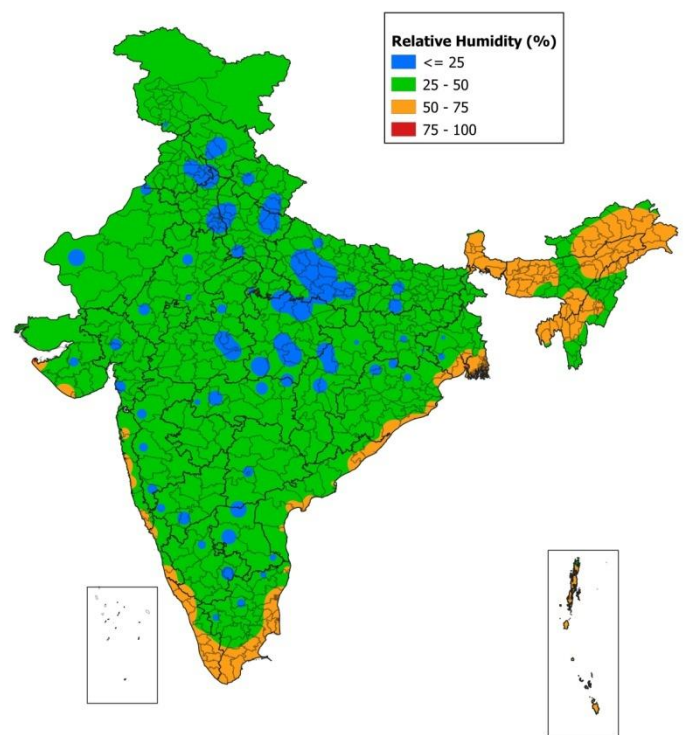


Annexure 5

Wind Map at 1430 hrs IST Dated 05/04/2024

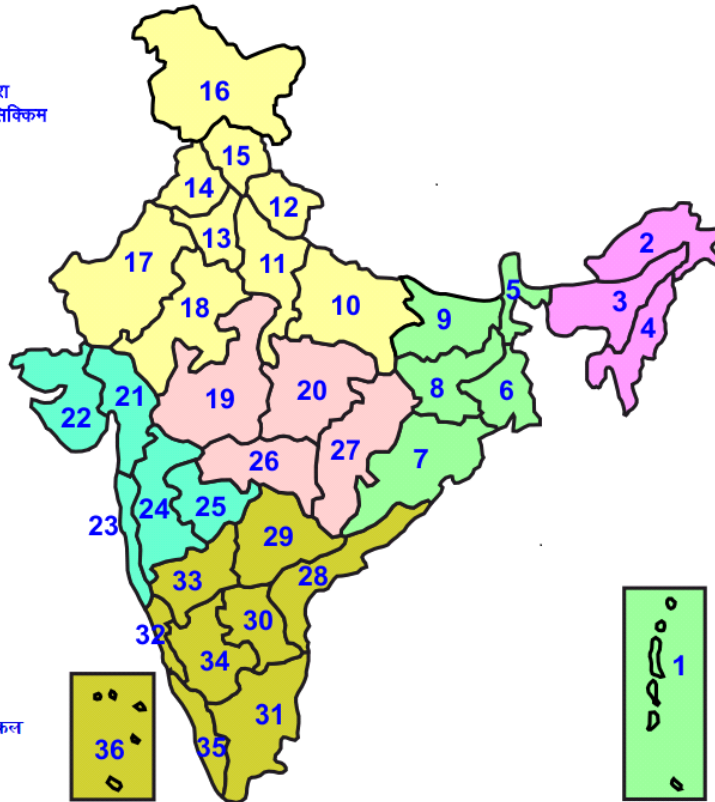


Relative Humidity at 1430 Hrs IST Dated 05/04/2024



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 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 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, Puduchery & 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 $>6.4^\circ\text{C}$.