राष्ट्रीय मौसम पूर्वानुमान केन्द्र
भारत मौसम विज्ञान विभाग
पृथ्वी विज्ञान मंत्रालय

National Weather Forecasting Centre
India Meteorological Department
Ministry of Earth Sciences

# Current Temperature Status and Heat Wave Warning

**Dated: 30th June, 2024**
**Time of Issue: 1600 Hrs IST**

**♦ Observed Temperature Scenario:-**

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

- **Yesterday's Highest Maximum Temperature on Plains:** 41.5°C was reported at Ganganagar (West Rajasthan)
- **Markedly above normal (5.1°C or more):-** NIL.
- **Appreciably above normal (3.1°C to 5.0°C ):-** At isolated places over Bihar, Odisha and Jharkhand.
- **Above normal (1.6°C to 3.0°C) :-** At isolated places over West Bengal & Sikkim, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.

**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 an isolated places over West Rajasthan, East Madhya Pradesh, Sub-Himalayan West Bengal & Sikkim, Madhya Maharashtra.
- **Above normal (1.6°C to 3.0°C) :-** At many places over Himachal Pradesh, Bihar, Punjab, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad; at an isolated places over Haryana-Chandigarh-Delhi, Jharkhand, Nagaland, Manipur, Mizoram & Tripura, Odisha, Gangetic West Bengal, Uttarakhand

**♦ Heat wave conditions:-** NIL.

**♦ Warm night conditions:-** NIL.

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

**♦ Temperatures Recorded at 1430 Hours IST of Today, the 30th June, 2024 (Annexure 4) :-**

- Sri Ganganagar (West Rajasthan) recorded the highest temperature of 40.4°C.

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

**♦ Maximum Temperatures Forecast :-**

- No significant change in maximum temperatures very likely over most parts of the country.

## Heat Wave Warnings for Next 5 Days

**DAY-1:-**

- NIL.

**DAY-2:-**

- NIL.

**DAY-3:-**

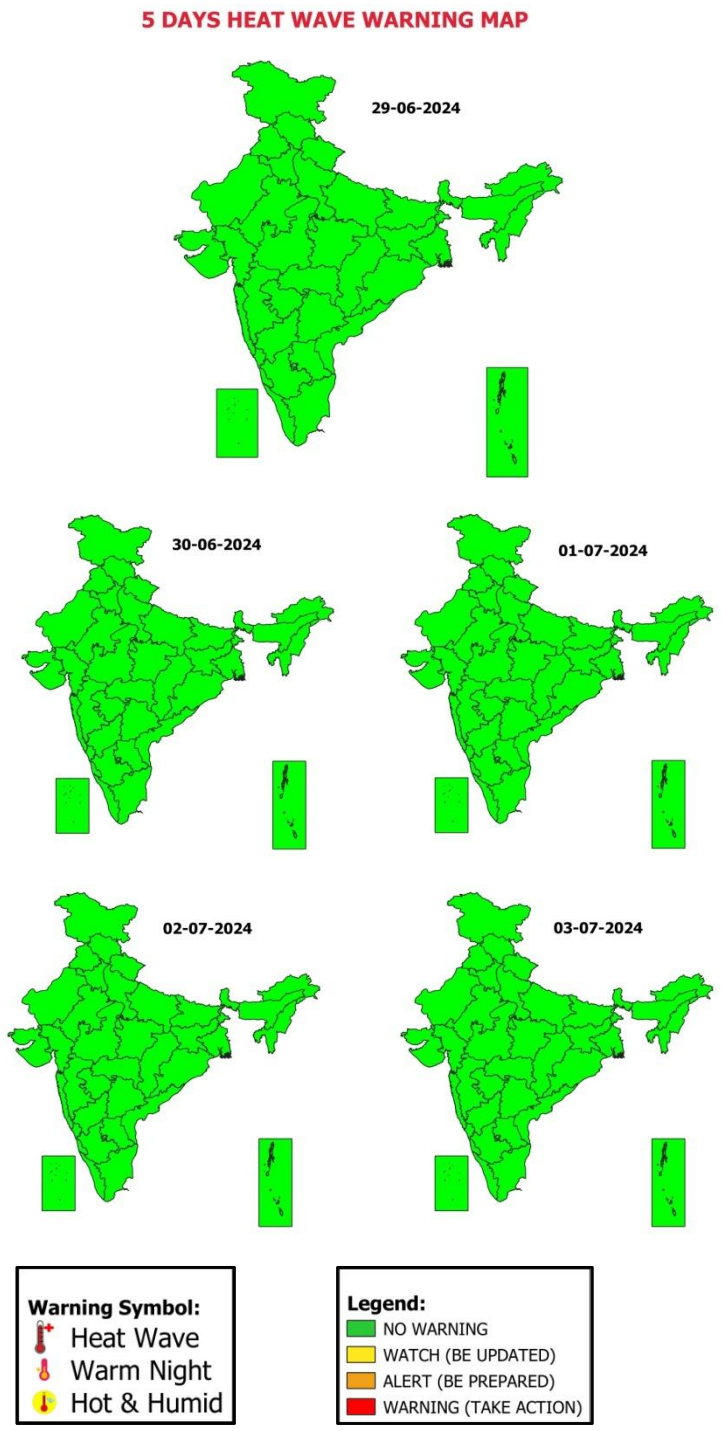
- NIL.

**DAY-4:-**

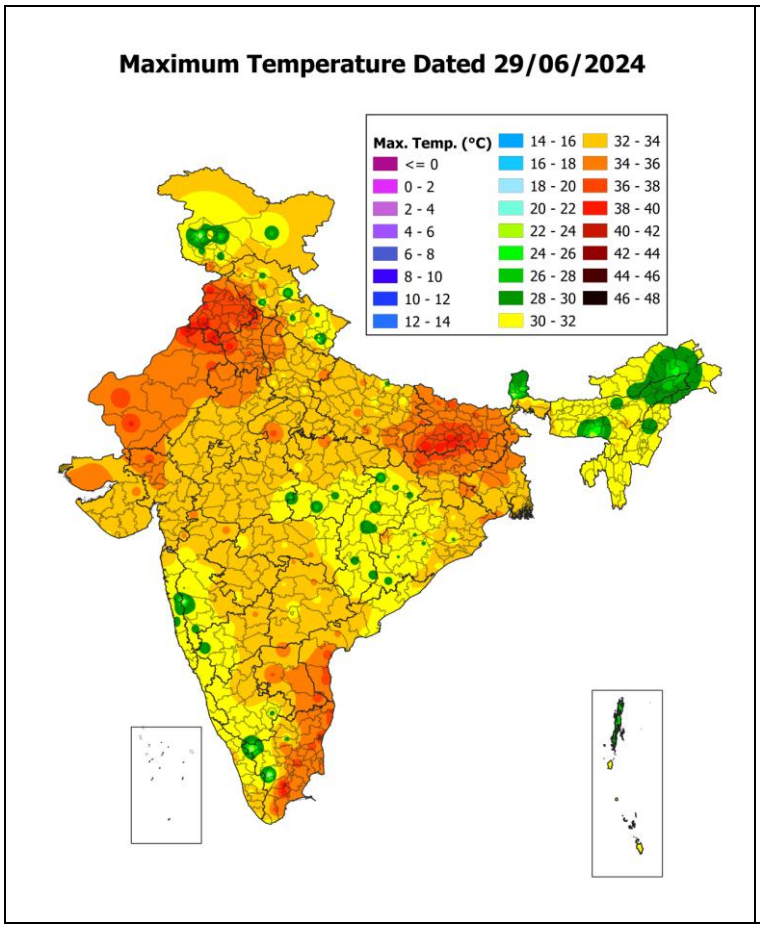
- NIL.

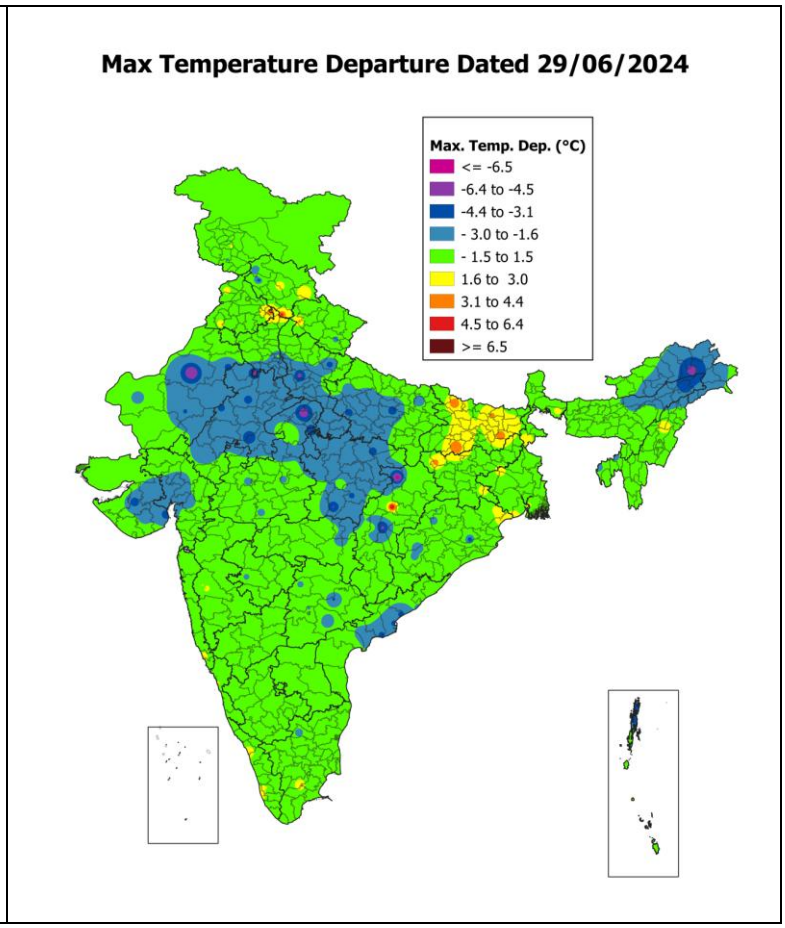
**DAY-5:-**

- NIL.

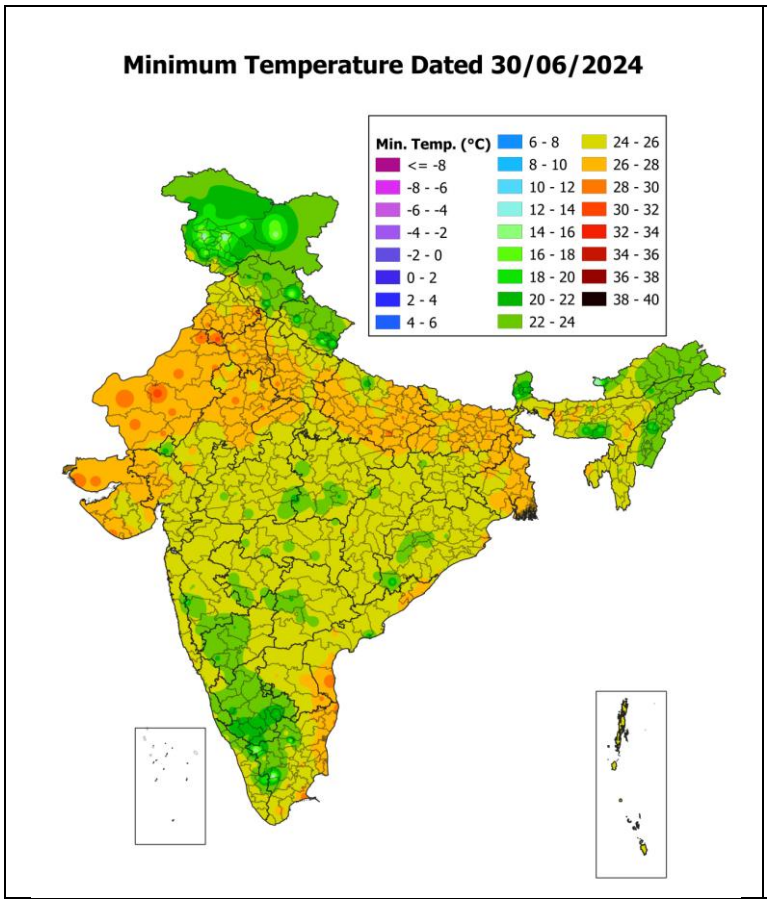


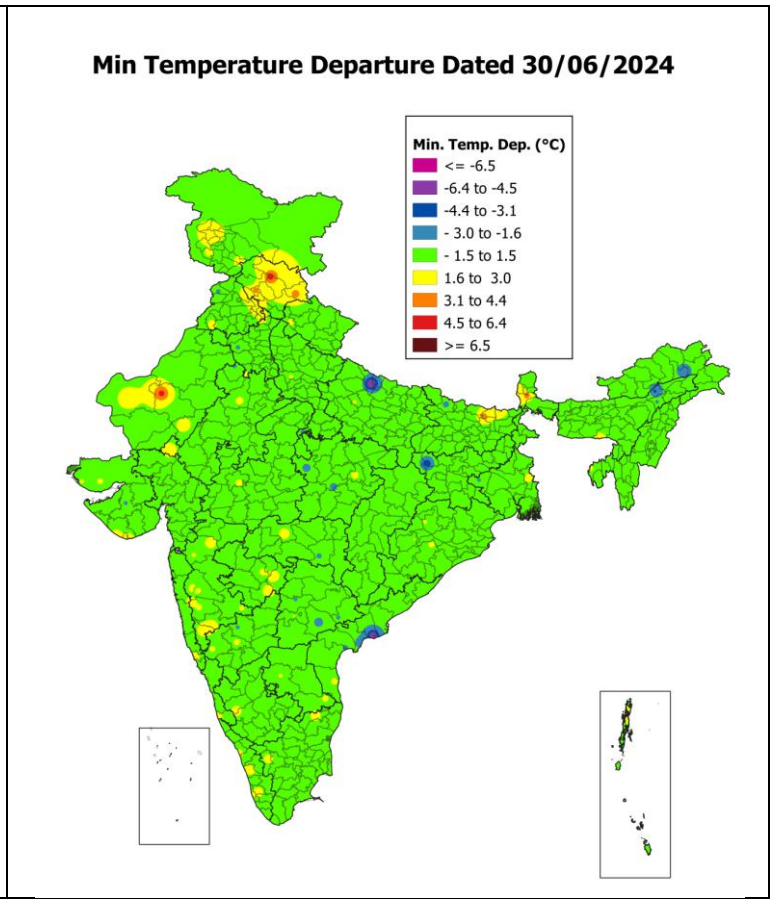
**Annexure 1**


Maximum Temperature Dated 29/06/2024
Max. Temp. (°C)
<= 0
0 - 2
2 - 4
4 - 6
6 - 8
8 - 10
10 - 12
12 - 14
14 - 16
16 - 18
18 - 20
20 - 22
22 - 24
24 - 26
26 - 28
28 - 30
30 - 32
32 - 34
34 - 36
36 - 38
38 - 40
40 - 42
42 - 44
44 - 46
46 - 48


Max Temperature Departure Dated 29/06/2024
Max. Temp. Dep. (°C)
<= -6.5
-6.4 to -4.5
-4.4 to -3.1
- 3.0 to -1.6
- 1.5 to 1.5
1.6 to 3.0
3.1 to 4.4
4.5 to 6.4
>= 6.5

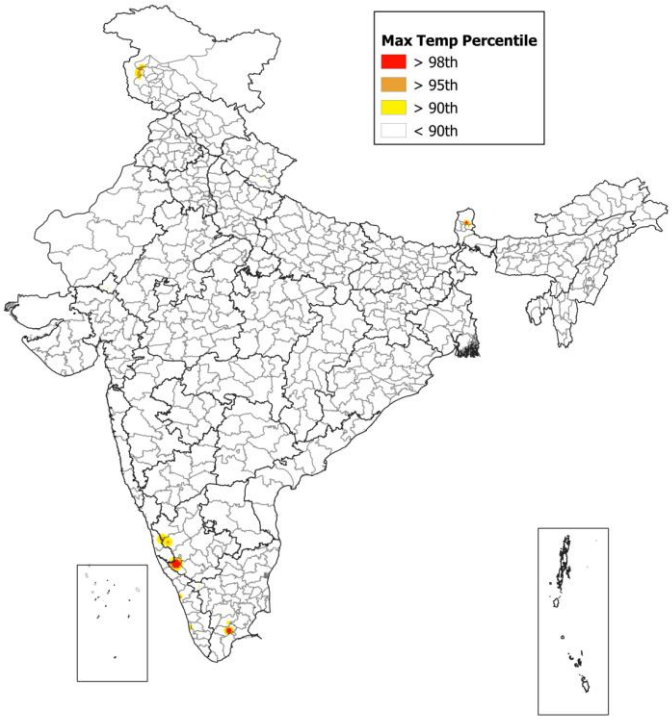
**Annexure 2**


Minimum Temperature Dated 30/06/2024
Min. Temp. (°C)
<= -8
-8 - -6
-6 - -4
-4 - -2
-2 - 0
0 - 2
2 - 4
4 - 6
6 - 8
8 - 10
10 - 12
12 - 14
14 - 16
16 - 18
18 - 20
20 - 22
22 - 24
24 - 26
26 - 28
28 - 30
30 - 32
32 - 34
34 - 36
36 - 38
38 - 40

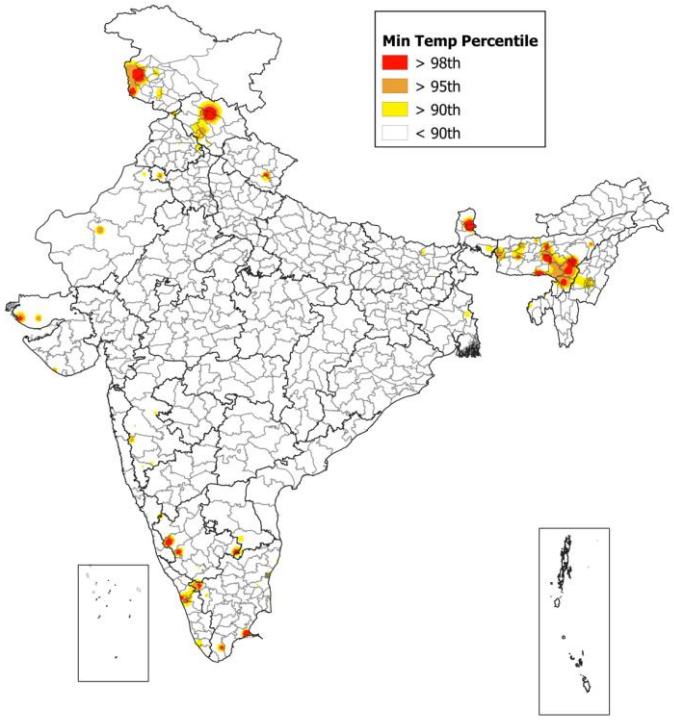

Min Temperature Departure Dated 30/06/2024
Min. Temp. Dep. (°C)
<= -6.5
-6.4 to -4.5
-4.4 to -3.1
- 3.0 to -1.6
- 1.5 to 1.5
1.6 to 3.0
3.1 to 4.4
4.5 to 6.4
>= 6.5

**Annexure 3**

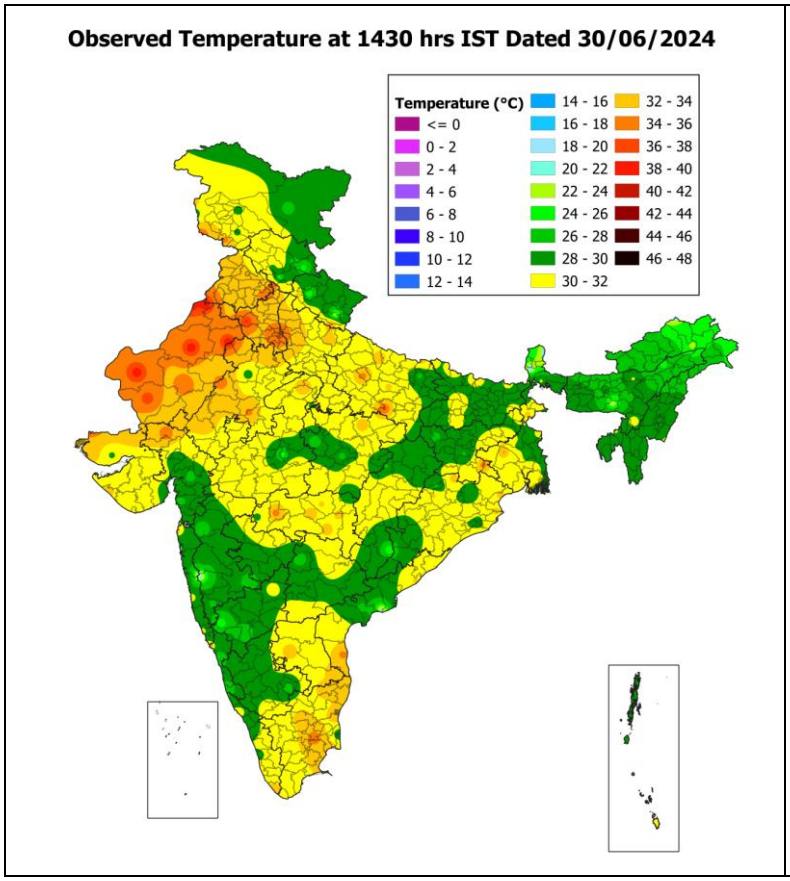
**Max Temp Percentile Dated 29/06/2024**

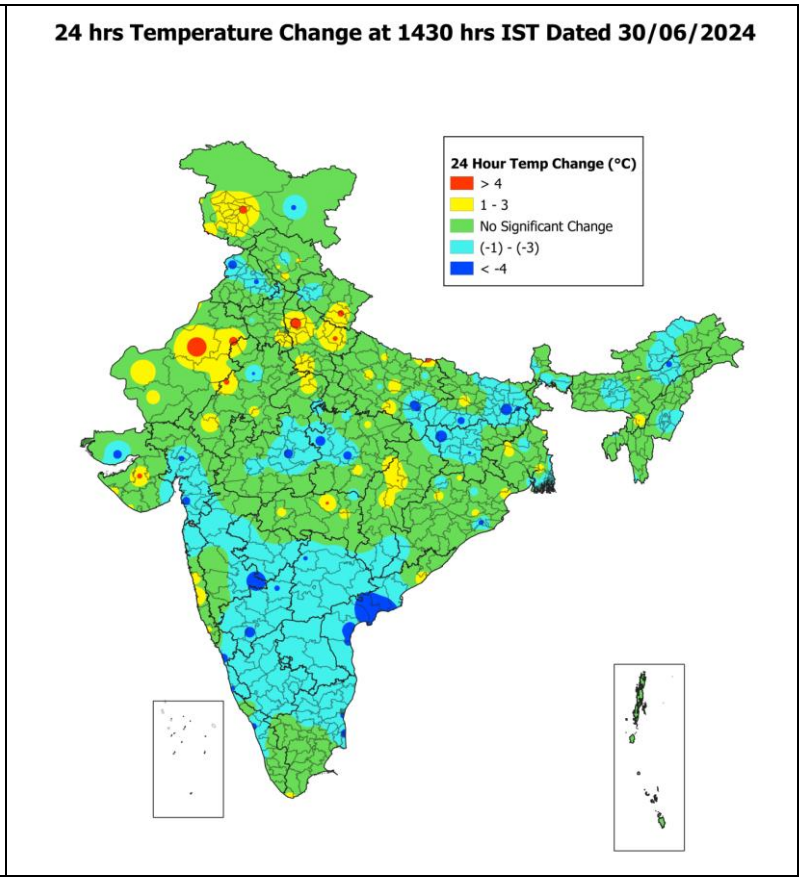



**Min Temp Percentile Dated 30/06/2024**



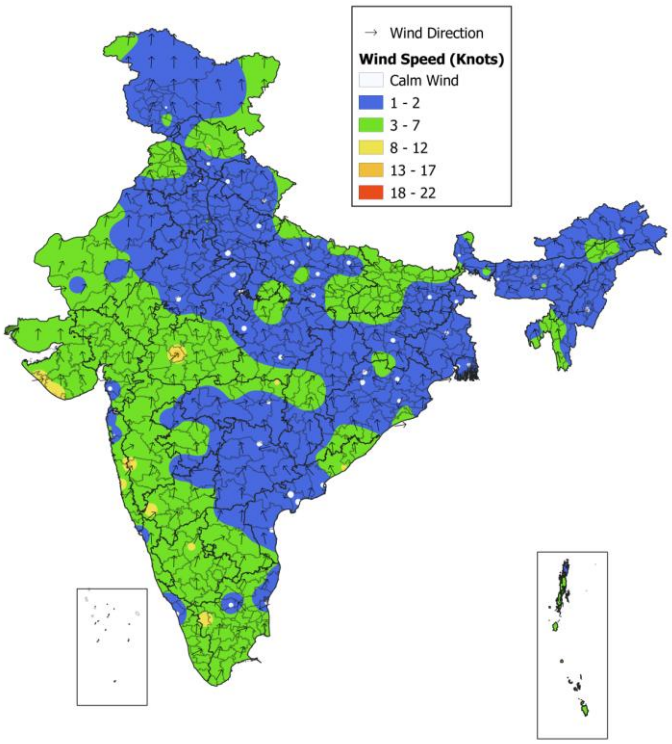
**Annexure 4**


Observed Temperature at 1430 hrs IST Dated 30/06/2024
Temperature (°C)
<= 0
0 - 2
2 - 4
4 - 6
6 - 8
8 - 10
10 - 12
12 - 14
14 - 16
16 - 18
18 - 20
20 - 22
22 - 24
24 - 26
26 - 28
28 - 30
30 - 32
32 - 34
34 - 36
36 - 38
38 - 40
40 - 42
42 - 44
44 - 46
46 - 48

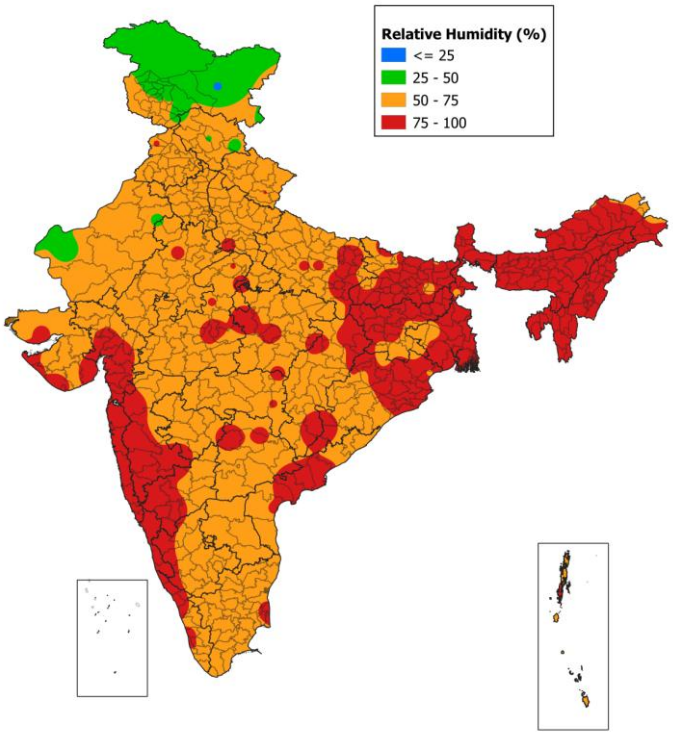

24 hrs Temperature Change at 1430 hrs IST Dated 30/06/2024
24 Hour Temp Change (°C)
> 4
1 - 3
No Significant Change
(-1) - (-3)
< -4

**Annexure 5**

**Wind Map at 1430 hrs IST Dated 30/06/2024**




**Relative Humidity at 1430 Hrs IST Dated 30/06/2024**




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

For more details on Heat Waves visit:

https://internal.imd.gov.in/pages/heatwave_mausam.php

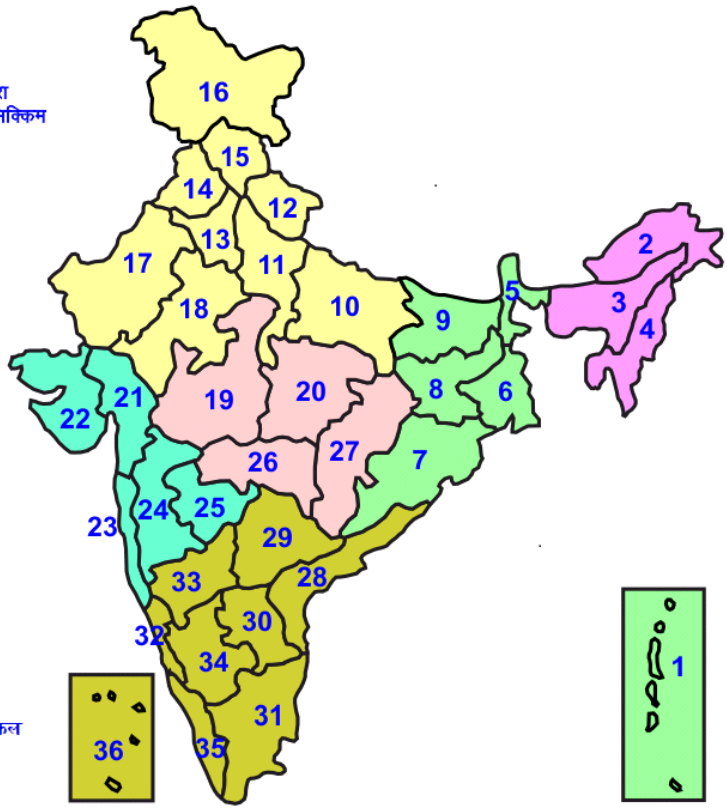
Or

Scan the following QR code:

**NOTE:- THIS IS THE LAST HEAT WAVE BULLETIN OF THIS SEASON.**

# LEGENDS

1 अंडमान और निकोबार द्वीप समुह
2 अरुणाचल प्रदेश
3 असम और मेघालय
4 नागालेंड मनीपुर मीजोरम और त्रिपुरा
5 उप हिमालय पश्चिम बंगाल एंवम् सिक्किम
6 पश्चिम गांगेय बंगाल
7 ओडिसा
8 झारखडं
9 बिहार
10 पूर्वी उत्तर प्रदेश
11 पश्चिम उत्तर प्रदेश
12 उत्तराखंड
13 हरियाणा चंडिगढ़ एंवम् दिल्ली
14 पंजाब
15 हिमाचल प्रदेश
16 जम्मू एवंम कश्मीर एवंम लद्दाख
17 पश्चिम राजस्थान
18 पूर्वी राजस्थान
19 पश्चिम मध्य प्रदेश
20 पूर्वी मध्य प्रदेश
21 गुजरात क्षेत्र
22 सौराष्ट्र एंवम् कच्छ
23 कोंकण एंवम् 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 Rajsthan
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 |

**Heat Wave**

**When maximum temperature of a station reaches ≥40° C for plains and ≥30° 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 ≥6.5° C |

**(b). Based on Actual maximum temperature**

| |
|---|
| **Heat Wave:** When actual maximum temperature ≥45°C. |
| **Severe Heat Wave:** When actual maximum temperature ≥47°C |

**( c). Criteria for heat wave for coastal stations**

When maximum temperature departure is >4.5°C from normal. Heat Wave may be described provided maximum temperature ≥37°C

**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 °C. |

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