



Government of India
Earth System Science Organization
Ministry of Earth Sciences
India Meteorological Department

Date: 14th May, 2021

Time of Issue: 0745 Hours IST

Current Temperature Status and Warning for next 24 hours

**Heat Wave and Maximum Temperatures observed Yesterday
(0530 IST hrs of 13th May to 0530 IST hrs of 14th May)**

◆ **Heat Wave observed:** Nil.

◆ **Maximum Temperatures:-**

Maximum Temperatures more than 40.0°C as on 13-05-2021 were recorded at most places over Vidarbha; at many places over Telangana; at a few places over West Madhya Pradesh and at isolated places over Rajasthan, Gujarat State, East Madhya Pradesh and Madhya Maharashtra. **(Annexure 1)**

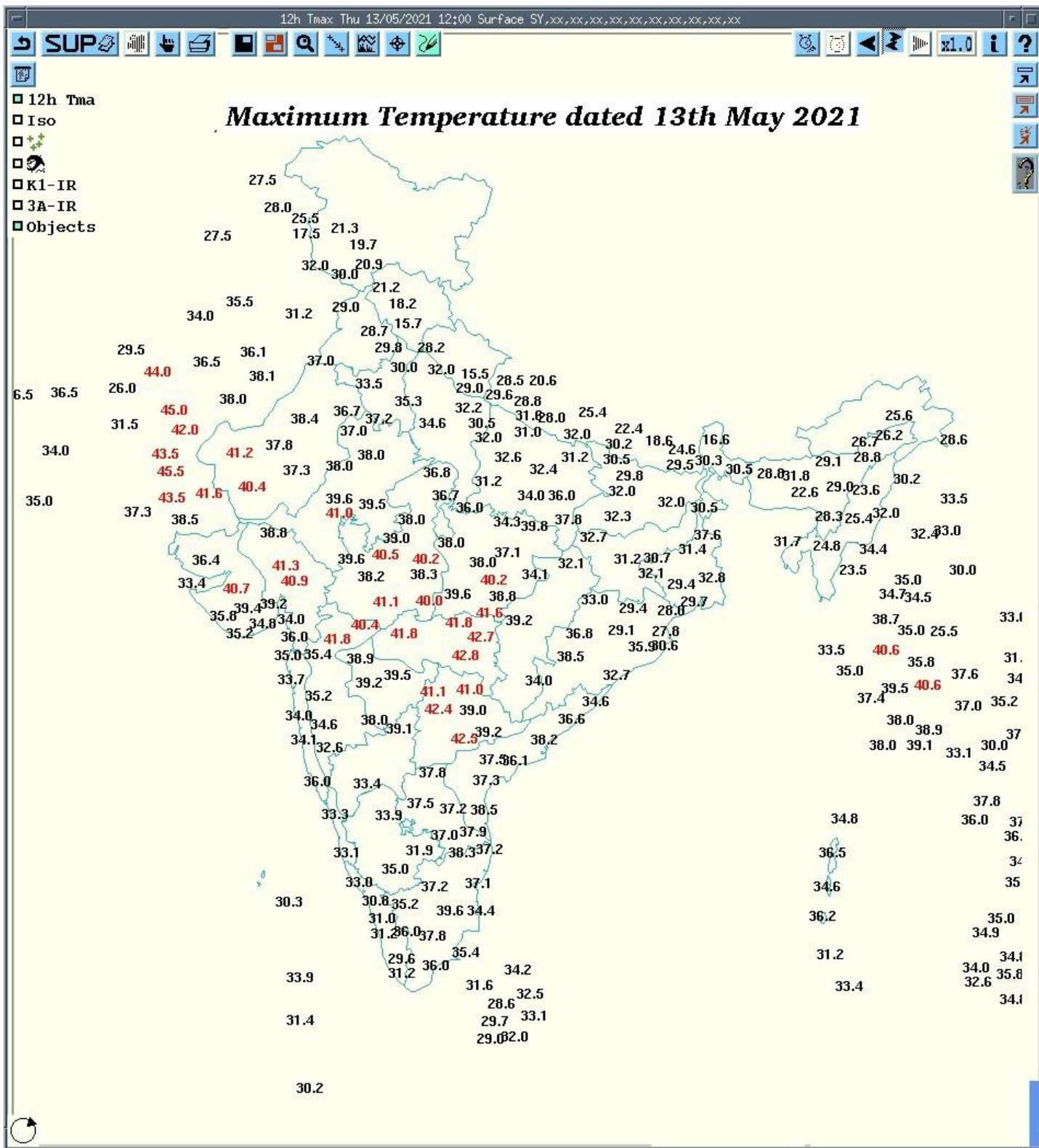
◆ **Maximum Temperature Departures as on 13-05-2021:** Maximum temperatures are **above normal (1.6°C to 3.0 °C) at a few places** over Andaman & Nicobar Islands; at **isolated places** over Saurashtra & Kutch, Konkan & Goa and Tamilnadu, Puducherry & Karaikal. They are **markedly below normal (-5.1°C or more) at most places** over Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh and Jharkhand; **at many places** over Bihar and north Odisha; **at a few places** over Gangetic West Bengal and **at isolated places** over Jammu, Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad and north Madhya Pradesh; **appreciably below normal (-3.1°C to -5.0°C)** at many places over West Rajasthan and Chhattisgarh; **at a few places** over Sub-Himalayan West Bengal & Sikkim and Rayalaseema; **at isolated places** over Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, central Madhya Pradesh, rest Odisha, south Madhya Maharashtra and North Interior Karnataka; **below normal (-1.6°C to -3.0°C)** at most places over Kerala & Mahe; at many places over East Madhya Pradesh; at a few places over Coastal Andhra Pradesh & Yanam and at Isolated places over Gujarat Region and southwest Madhya Pradesh and near normal over rest parts of the country. The highest Maximum Temperature of **42.8 °C** is reported at **Chandrapur (Vidarbha) (Annexure 2)**

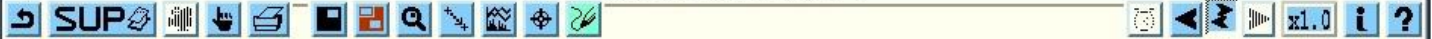
◆ Yesterday, the highest Maximum Temperature of **42.8 °C** is reported at **Chandrapur (Vidarbha)**.

[Heat Wave Warnings for Next 24 hours \(From 0530 hours IST of 14th May to 0530 hours IST of 15th May\):-](#)

◆ **No Heat wave conditions likely** during next 24 hours.

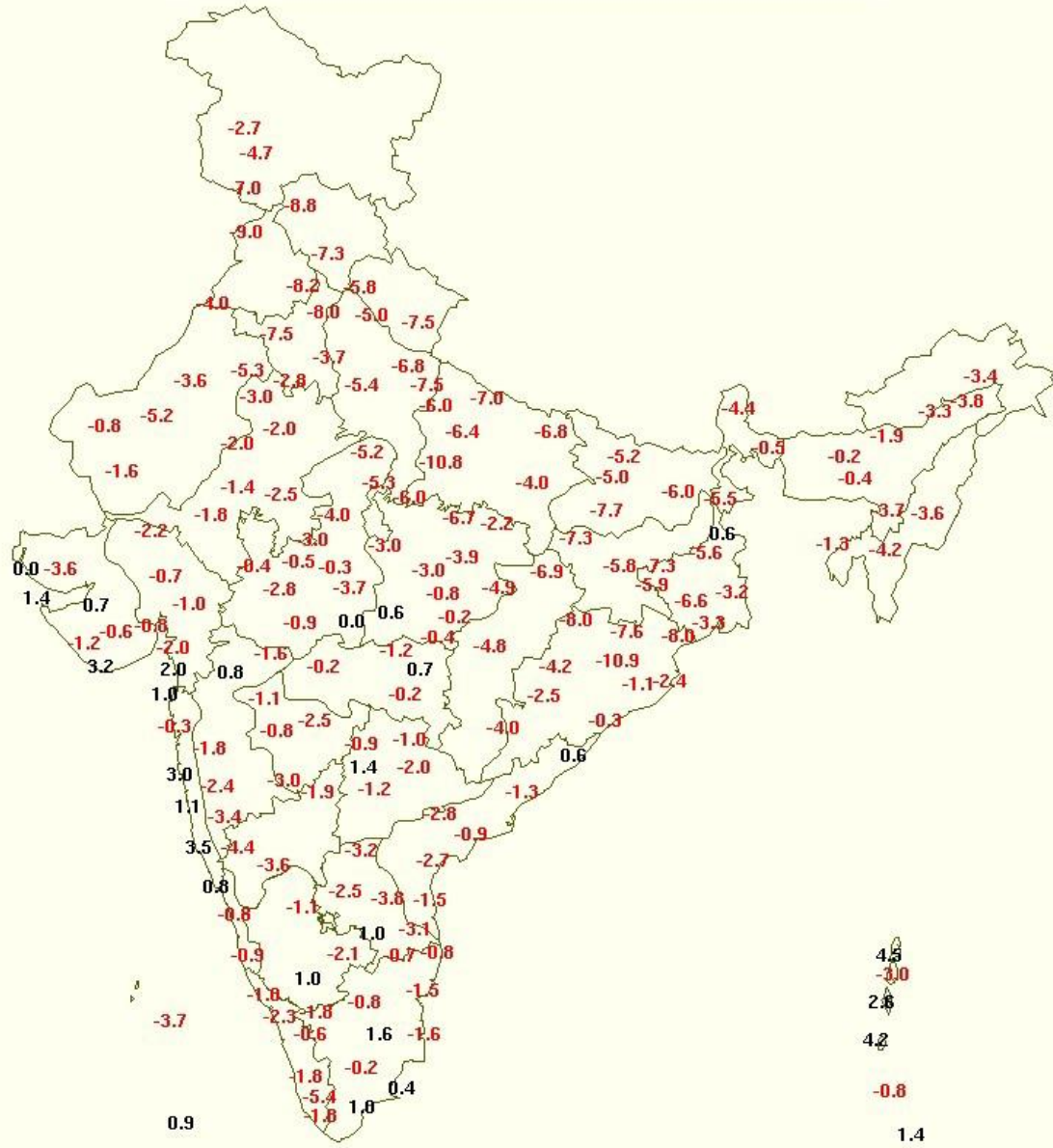
(For significance of colour code and criteria for Heat Wave, kindly refer to Annexure-3 at end of this document)





- Tx12
- Iso
- K1-IR
- 3A-IR
- Objects

Max. Temp. Dep. dated 13th May 2021



Heat Wave

Heat wave is considered if maximum temperature of a station reaches at least 40°C or more for Plains, 37°C or more for coastal stations and at least 30°C or more for Hilly regions. Following criteria are used to declare heat wave:

a) Based on Departure from Normal

- *Heat Wave*: Departure from normal is 4.5°C to 6.4°C
- *Severe Heat Wave*: Departure from normal is >6.4°C

b) Based on Actual Maximum Temperature (for plains only)

- *Heat Wave*: When actual maximum temperature $\geq 45^{\circ}\text{C}$
- *Severe Heat Wave*: When actual maximum temperature $\geq 47^{\circ}\text{C}$

To declare heat wave, the above criteria should be met at least in 2 stations in a Meteorological sub-division for at least two consecutive days and it will be declared on the second day.

Heat Wave Warning

Green (No action)	Normal Day	Maximum temperatures are near normal
Yellow Alert (Be updated)	Heat Alert	Heat wave conditions at district level likely to persist for 2 days
Orange Alert (Be prepared)	Severe Heat Alert for the day	(i) Severe heat wave conditions persist for 2 days. (ii) With varied severity, heat wave is likely to persists for 4 days or more
Red Alert (Take Action)	Extreme Heat Alert for the day	(i) Severe heat wave persists for more than 2 days. (ii) Total MAXIMUM TEMPERATURES number of heat/severe heat wave days likely to exceeds 6 days.