



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

**Dated: 1st April, 2020
Time of Issue: 1600 Hours IST**

Current Temperature Status and Warning for next five days

Maximum Temperature Scenario for past 24 hours (from 0830 hrs IST of 31st March, 2020 to 0830 hrs IST of 1st April, 2020)

Heat Wave: Nil (Annexure 1 & 2).

Maximum Temperature

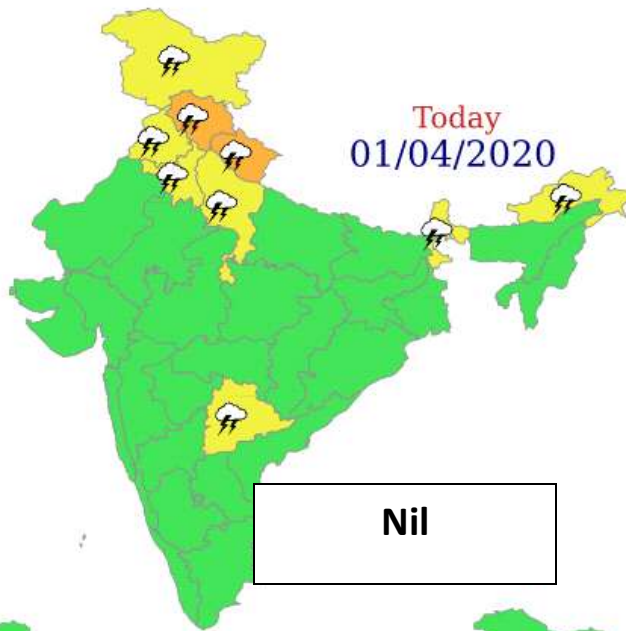
Maximum Temperature were **appreciably above normal (3.1°C to 5.0°C)** at many places over Assam & Meghalaya, Arunachal Pradesh; at isolated places over Odisha & Gangetic West Bengal; **above normal (1.6°C to 3.0°C)** at many places over Coastal Andhra Pradesh, Rayalaseema, Kerala & Mahe, Coastal Karnataka & Lakshadweep; at a few places over Nagaland, Manipur, Mizoram, Tripura, Madhya Pradesh, Madhya Maharashtra and at isolated places over Konkan & Goa. Yesterday, the highest maximum temperature of **42.0°C** was reported at **Khargone (West Madhya Pradesh)**. (Annexure 1 & 2).

Temperatures Recorded at 1430 Hours IST of Today, the 1st April, 2020

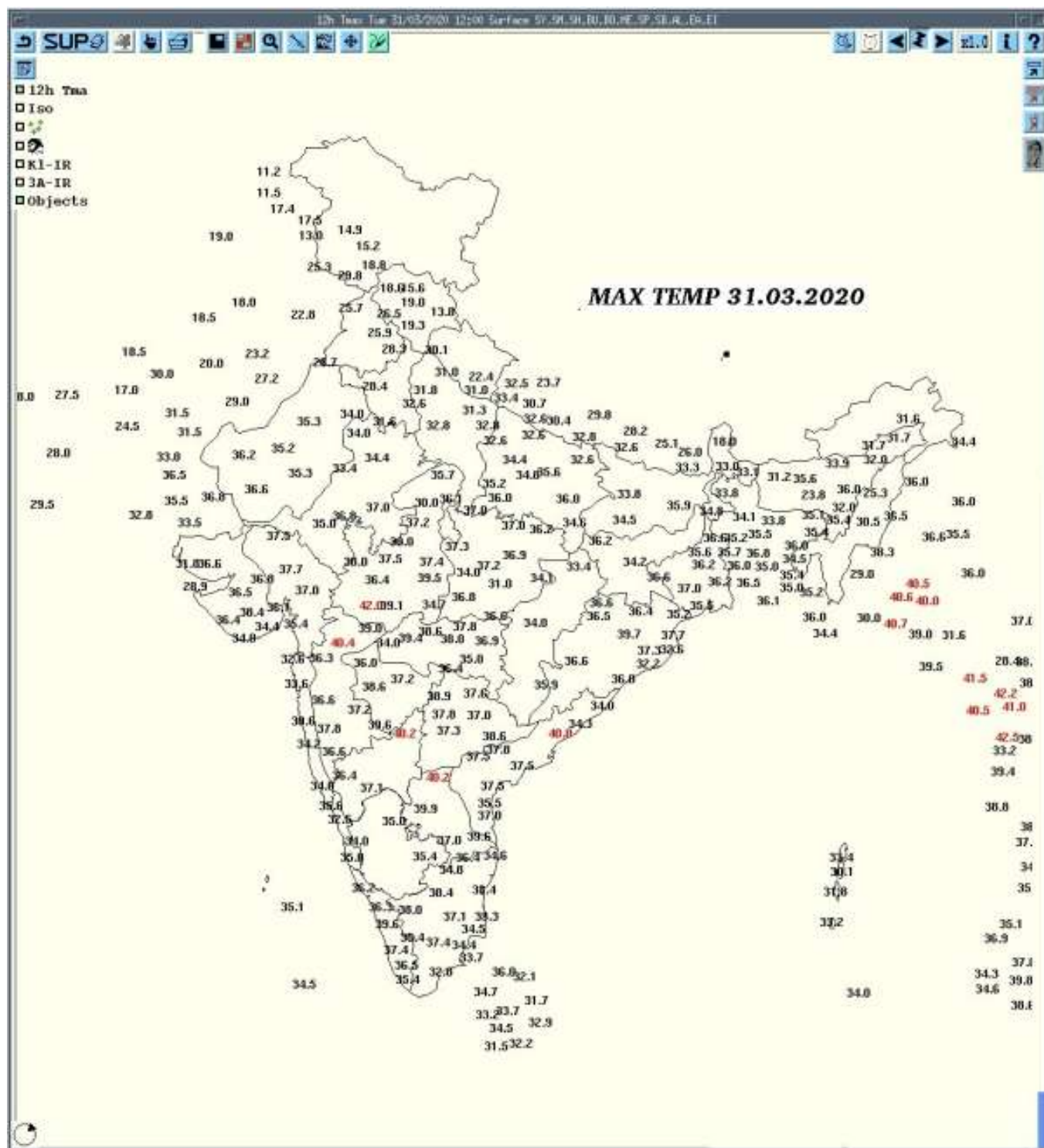
- **Kurnnol and Anantpur (Rayalaseema)** recorded the highest temperature of **40.0°C** (Annexure 3).
- **Temperatures recorded at 1430 hours IST of today have risen by 3-4°C** at many places over Punjab, Himachal and Uttarakhand; **by 1-2°C** at most places Punjab, Himachal Pradesh, Haryana, Chhatisgarh & Delhi, Uttar Pradesh, Bihar, Chhattisgarh, Vidarbha, Karnataka, Rayalaseema; at many places Uttarakhand, Saurashtra & Kutch, East Madhya Pradesh, Odisha, Maharashtra; at a few places Jammu & Kashmir, Gangetic West Bengal, Assam & Meghalaya, Tamilnadu and at isolated places Sub-Himalayan West Bengal & Sikkim, Coastal Andhra Pradesh & Kerala (Annexure 4).

Heat Wave Warnings for Next 5 Days (on next page)

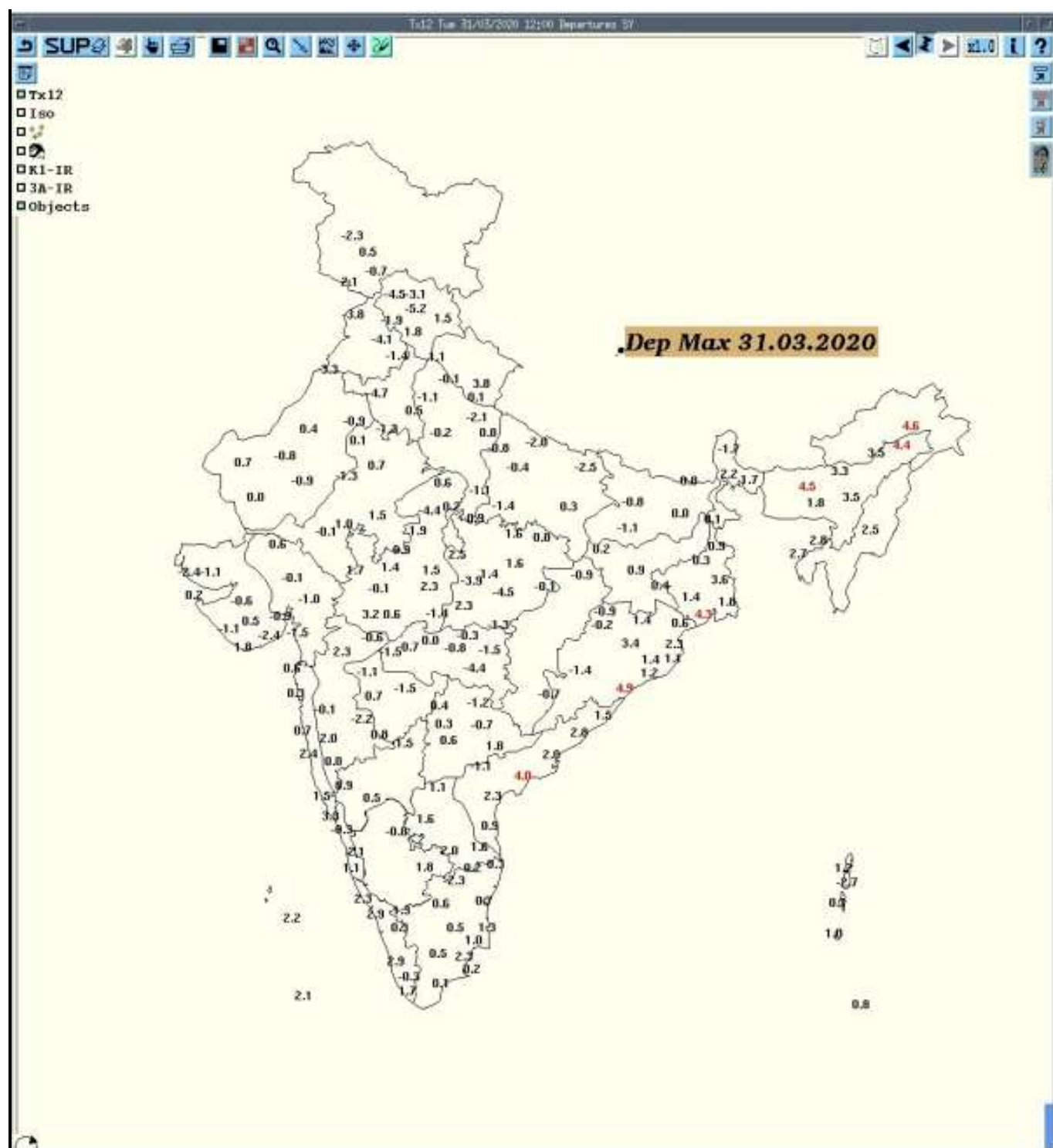
(For significance of colour code, criteria and its Impact & action suggested for Heat Wave kindly refer to Annexure-5 at end of this document)

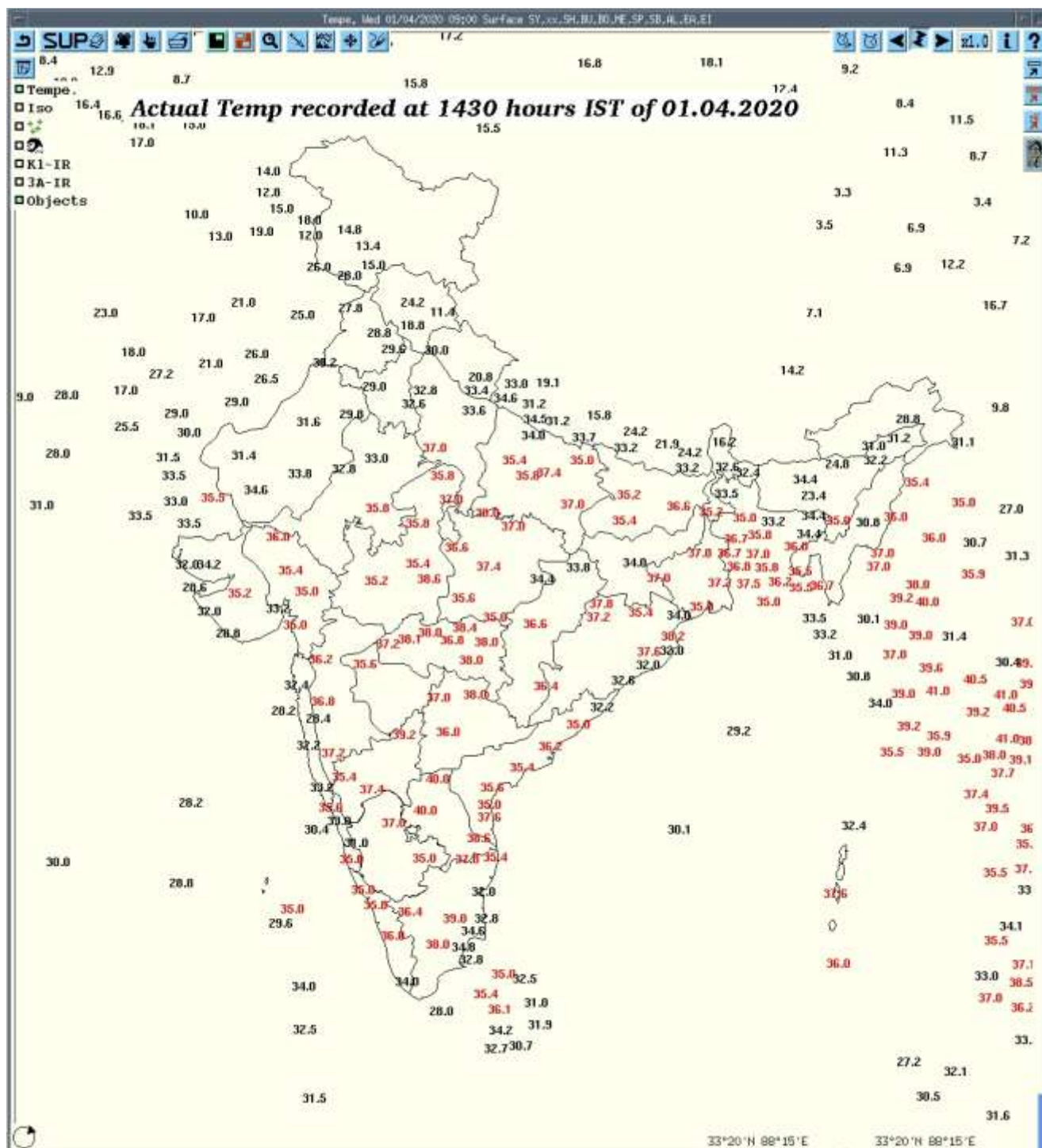


Annexure 1

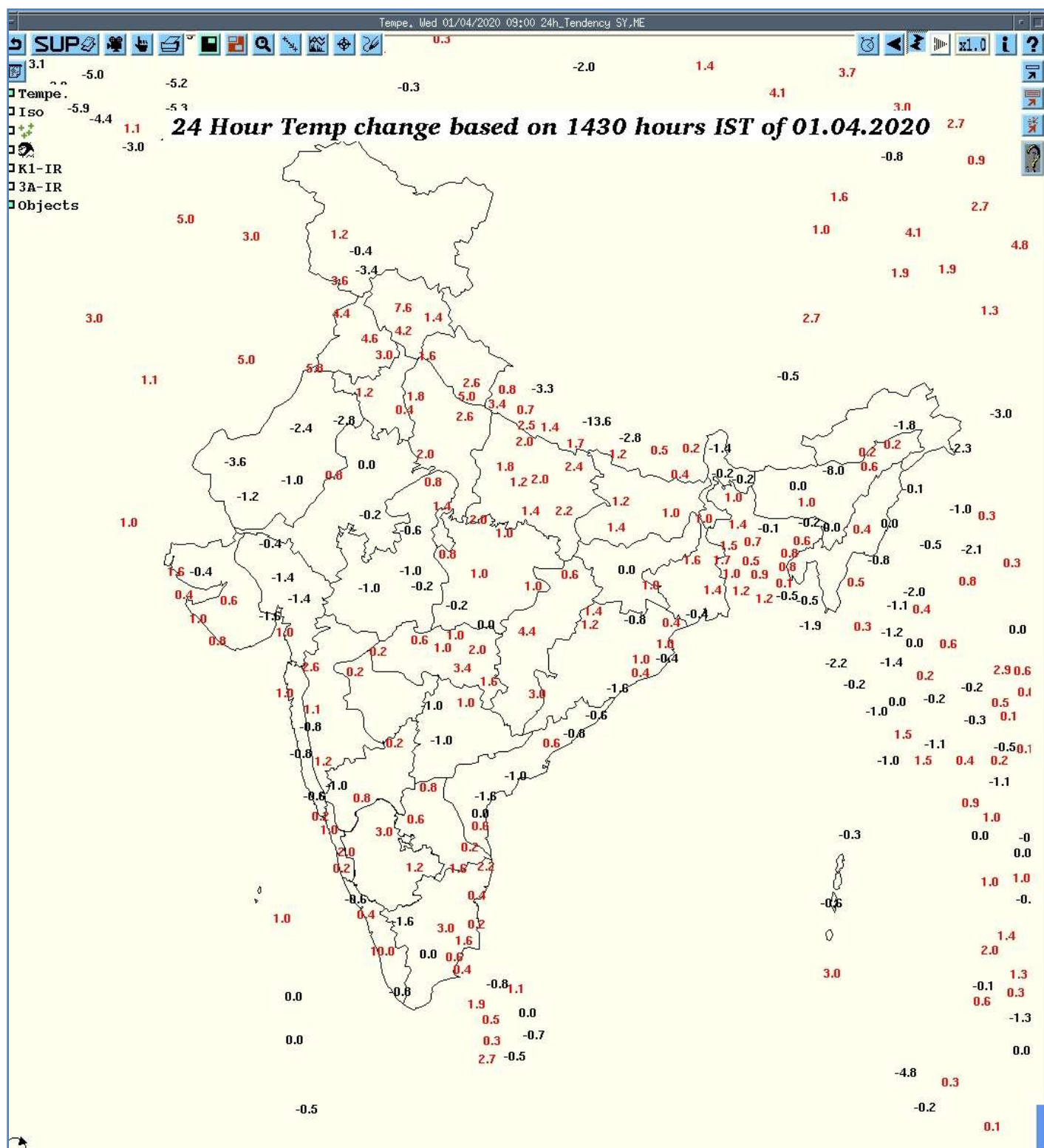


Annexure 2





Annexure 4



Annexure 5

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

Warning	Impact	Suggested Actions
Nil	Comfortable temperatures	No cautionary action required
Heat wave conditions at district level, likely to persist for 2 days	Heat is tolerable for general public but moderate health concern for vulnerable people e.g. infants, elderly, people with chronic diseases.	Avoid heat exposure
i. Severe heat wave conditions likely to persist for 2 days. ii. With varied severity, heat wave is likely to persist for 4 days or more.	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.	Avoid heat exposure– keep cool. Avoid dehydration
i. Severe heat wave likely to persist for more than 2 days. ii. Total number of heat/severe heat wave days likely to exceed 6 days.	Very high likelihood of developing heat illness and heat stroke in all ages.	Extreme care needed for vulnerable people.