



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

Dated: 18th June, 2018

Time of Issue: 1600 Hours IST

Current Temperature Status and Warning for next five days

Heat Wave and Temperature Observed Yesterday (Past 24 hours from 0830 hrs IST of 17 June to 0830 hrs IST 18 June, 2018)

Heat Wave:

Yesterday, heat wave conditions observed at some parts of Coastal Andhra Pradesh and at one or two pockets over Bihar and Odisha (**Annexure 1 & 2**).

Maximum Temperature

Maximum temperatures were markedly above normal (5.1°C or more) at some parts of Coastal Andhra Pradesh, Odisha, Bihar, Jharkhand and Gangetic West Bengal; appreciably above normal (3.1°C to 5.0°C) at most parts of Chhattisgarh; at many parts of East Uttar Pradesh and at one or two pockets of Telangana and above normal (1.6°C to 3.0°C) at many parts of Vidarbha, Telangana and Rayalaseema, at some parts of Gujarat and East Madhya Pradesh; at one or two pockets of West Madhya Pradesh and Kerala. Yesterday, the highest maximum temperature of 43.3°C recorded at Gaya (Bihar) over plains of the country (**Annexure 1 & 2**).

Temperatures Recorded at 1430 Hours IST of Today, the 18th June, 2018

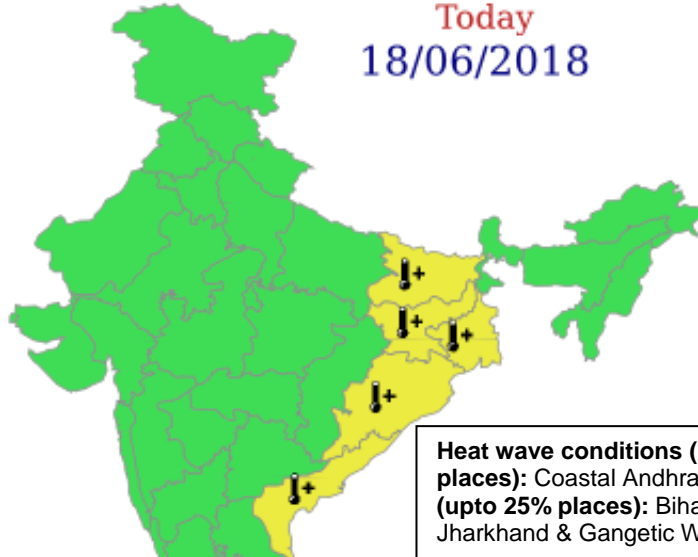
- Temperatures more than 40.0°C is observed at some parts of East Uttar Pradesh, Bihar and Gangetic West Bengal and at one or two pockets of Odisha, Gujarat region, Jharkhand, Coastal Andhra Pradesh and Puducherry (**Annexure 3**).
- **Temperatures recorded at 1430 hours of today have risen by 3-6°C** at some parts of Himachal Pradesh, Punjab, Uttarakhand and Assam & Meghalaya and at one or two pockets of Madhya Pradesh, Madhya Maharashtra, Delhi, West Uttar Pradesh, Kerala, Gangetic West Bengal and Tamilnadu **by 1-3°C** at most parts of Odisha; at many parts of rest Punjab; at some parts of Vidarbha, Bihar and Jammu & Kashmir and at one or two pockets of Delhi, Rajasthan, Madhya Pradesh, Saurashtra & Kutch, Konkan & Goa, Karnataka, rest Gangetic West Bengal and northeastern states (**Annexure 4**).

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

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

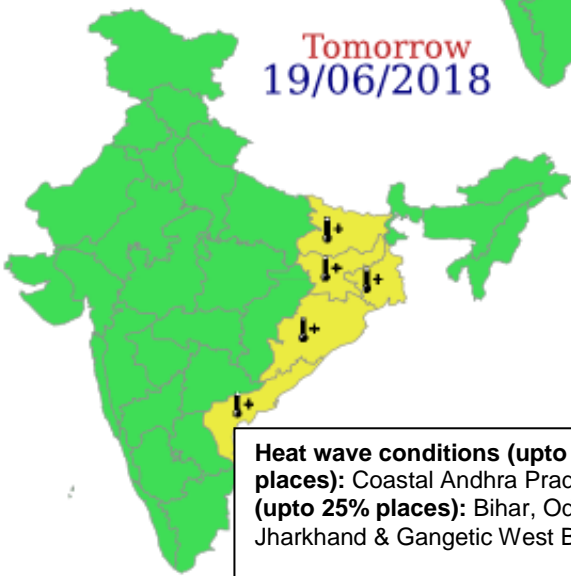
Heat wave conditions are likely to prevail over parts of east India and coastal Andhra Pradesh during next 48 hours.

Today
18/06/2018



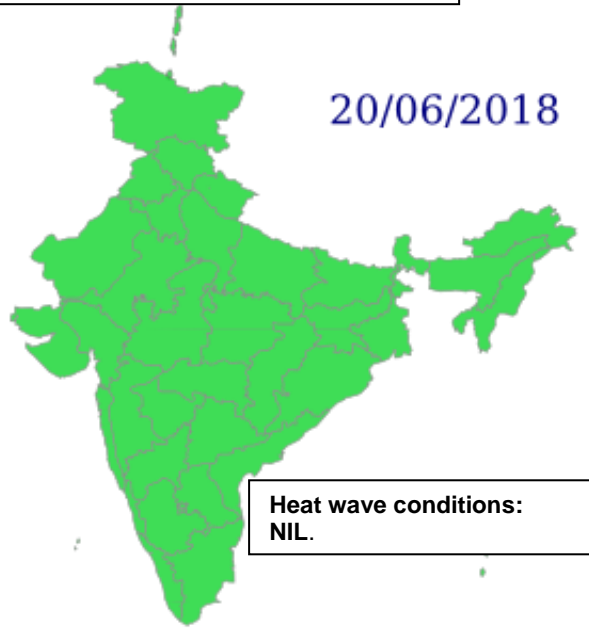
Heat wave conditions (upto 50% places): Coastal Andhra Pradesh
(upto 25% places): Bihar, Odisha, Jharkhand & Gangetic West Bengal

Tomorrow
19/06/2018



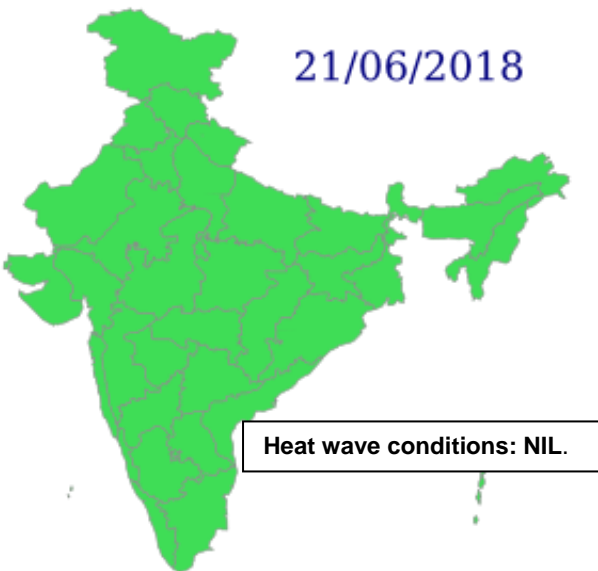
Heat wave conditions (upto 50% places): Coastal Andhra Pradesh
(upto 25% places): Bihar, Odisha, Jharkhand & Gangetic West Bengal

20/06/2018



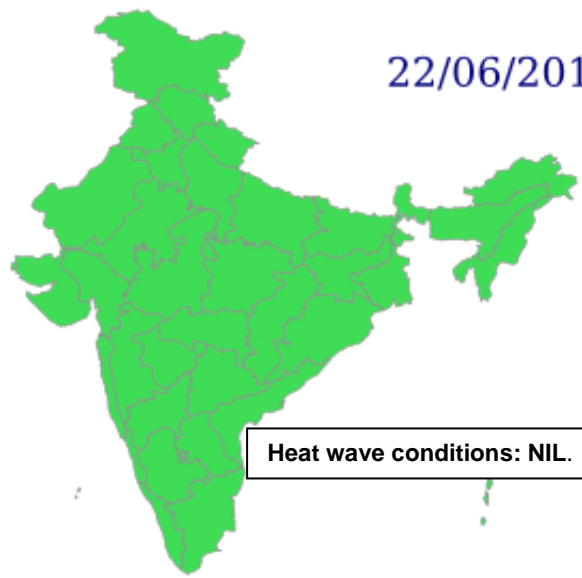
Heat wave conditions:
NIL.

21/06/2018

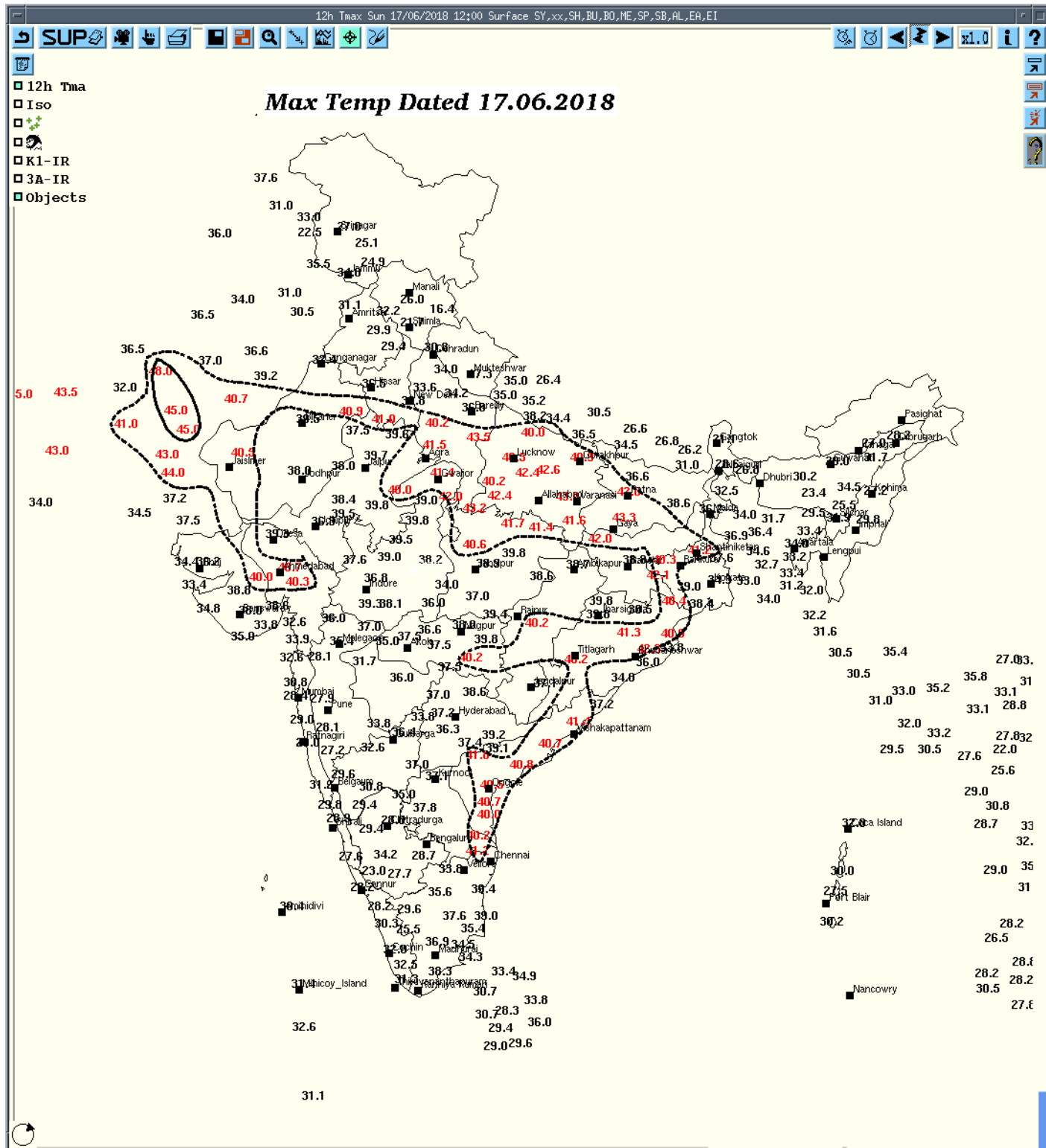


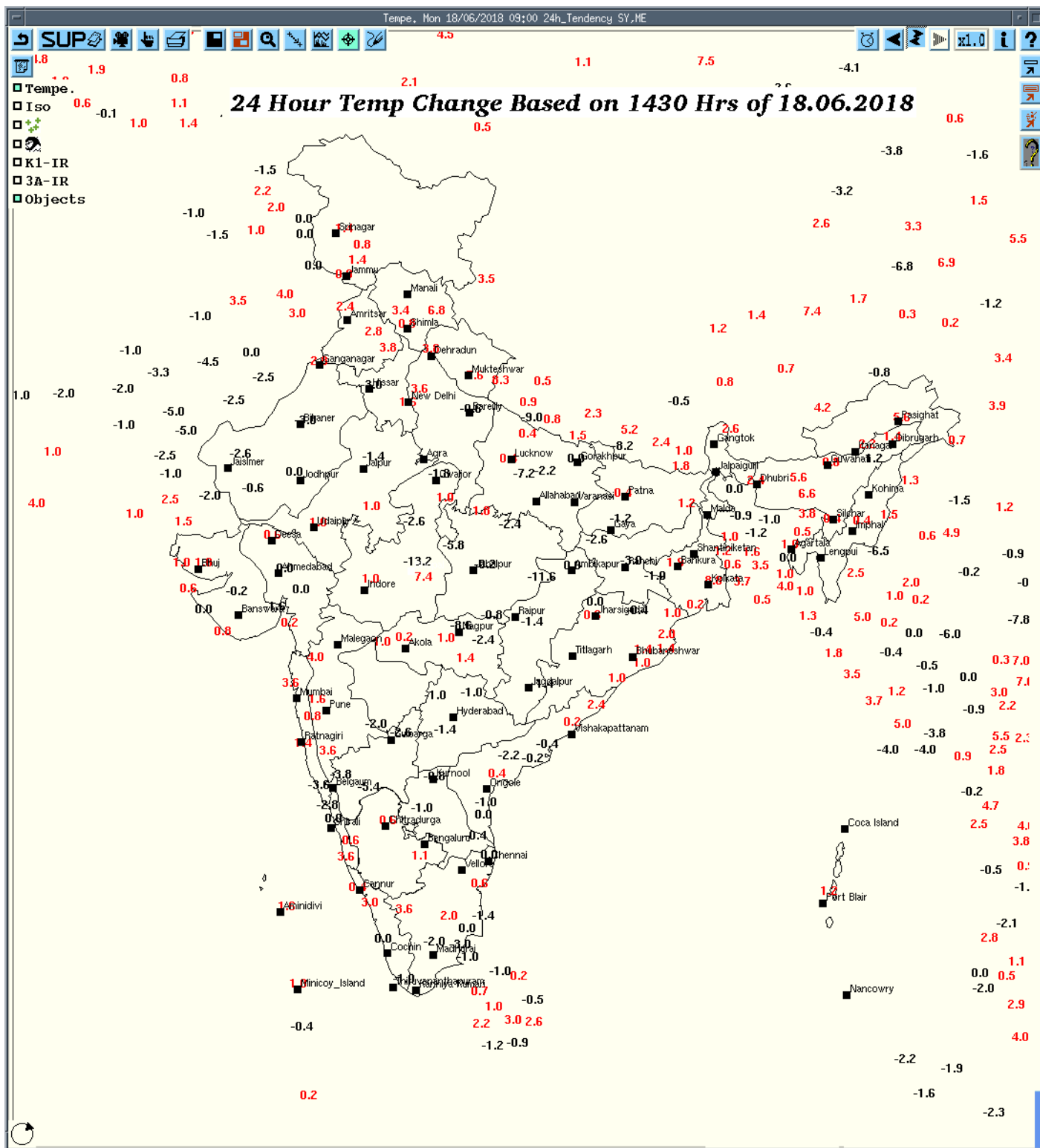
Heat wave conditions: NIL.

22/06/2018



Heat wave conditions: NIL.





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 number of heat/severe heat wave days likely to exceeds 6 days.