



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

**Press Release**

**Dated: 23<sup>rd</sup> May, 2020  
Time: 1600 hours IST**

**Sub.: a) Heat wave to severe heat wave conditions over Northwest, Central and adjoining Peninsular India during next 5 days b) Intense rainfall activity over Northeast India during 25<sup>th</sup> – 27<sup>th</sup> May, 2020.**

- i) Dry northwesterly winds are prevailing over Northwest and Central India since last two days and it is likely to continue to prevail during next 4-5 days. Under its influence, heat waves to severe heat wave conditions are likely to prevail over plains of northwest India and adjoining Central India. Rainfall activity has significantly reduced over south Peninsular India, giving rise to development of heat wave conditions over parts of that region also.
- ii) Under the influence of converging strong southwesterly winds from the Bay of Bengal, Northeast India is likely to experience heavy to very heavy rainfall with extremely heavy falls during 25<sup>th</sup> – 27<sup>th</sup> May, 2020.

**Observed Weather:**

- Yesterday, heat wave conditions in some parts **had been** observed over West Rajasthan and in isolated pockets over Haryana, Delhi, East Rajasthan and Vidarbha. The highest **maximum temperature of 46.6°C** was reported at **Churu (West Rajasthan)**.
- Parts of Northeast India had been experiencing heavy to very heavy rainfall with isolated extremely heavy falls since last 2 days. Rainfall (cm) reported in Meghalaya: Sohra-33 & Sohra (RKM)- 28.

**Heat Wave Warnings for next 05 days (in text as well as in graphic format):**

**(For significance of color code, criteria and its Impact & action suggested for Heat Wave kindly refer to Annexure-1 at end of this document)**

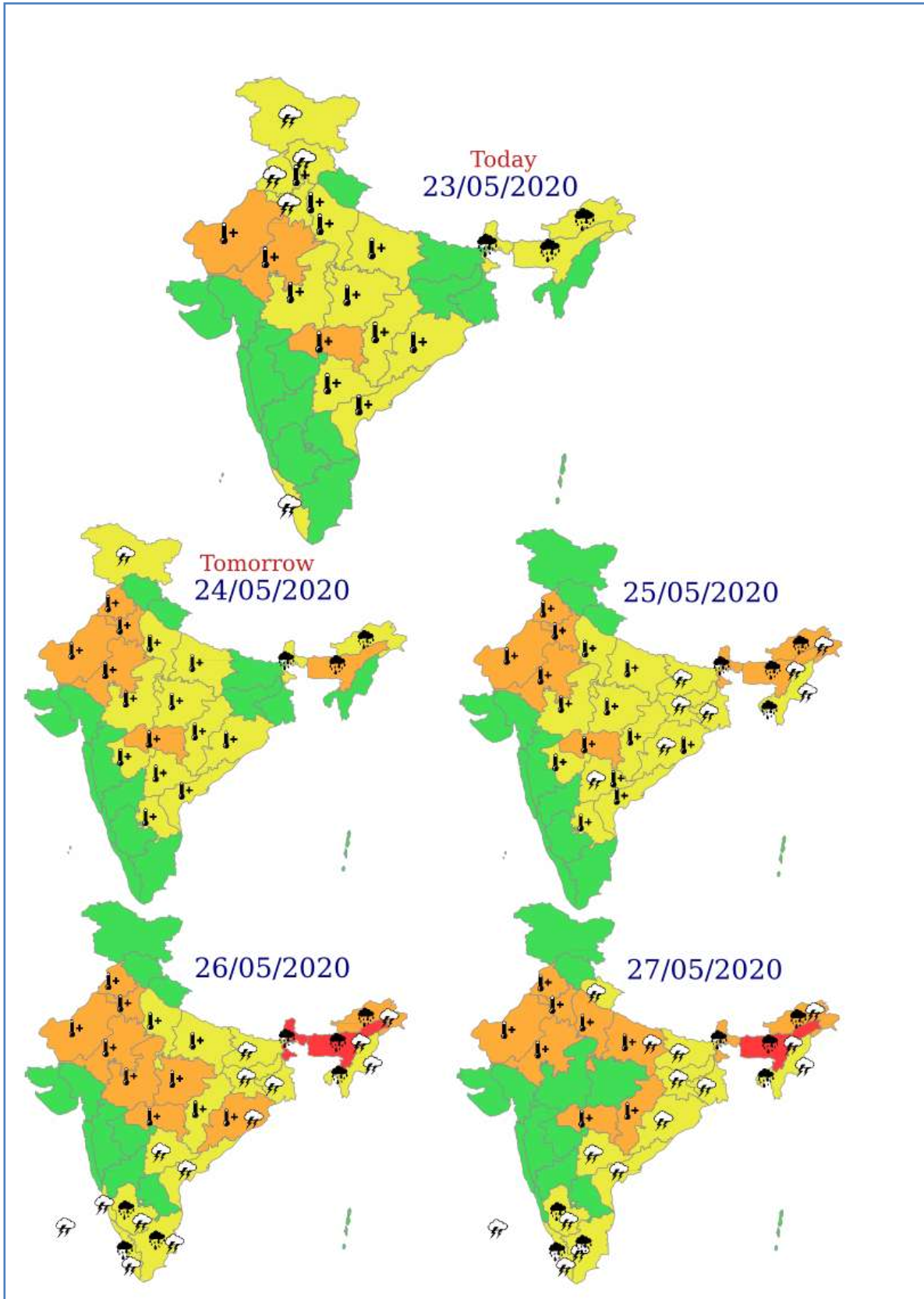
<b>Sub-Divisions</b>	<b>23 May 2020 *</b>	<b>24 May 2020 *</b>	<b>25 May 2020 *</b>	<b>26 May 2020 *</b>	<b>27 May 2020 *</b>
<b>Punjab</b>	Heat wave conditions in isolated pockets	Heat wave conditions in some parts	Heat wave conditions in some parts	Heat wave conditions in some parts	Heat wave conditions in isolated pockets
<b>Haryana, Chandigarh &amp; Delhi</b>	Heat wave conditions in isolated pockets	Heat wave conditions in some parts	Heat wave conditions in some parts	Heat wave conditions in some parts	Heat wave conditions in isolated pockets
<b>West Uttar Pradesh</b>	Heat wave conditions in isolated pockets	Heat wave conditions in isolated pockets	Heat wave conditions in isolated pockets	Heat wave conditions in isolated pockets	Heat wave conditions in isolated pockets

<b>East Uttar Pradesh</b>	Heat wave conditions in isolated pockets	Heat wave conditions in isolated pockets	Heat wave conditions in isolated pockets	Heat wave conditions in isolated pockets	Heat wave conditions in isolated pockets
<b>West Rajasthan</b>	Heat Wave in some parts with severe heat wave conditions in isolated pockets	Heat Wave in some parts with severe heat wave conditions in isolated pockets	Heat Wave in some parts with severe heat wave conditions in isolated pockets	Heat Wave in some parts with severe heat wave conditions in isolated pockets	Heat Wave in some parts with severe heat wave conditions in isolated pockets
<b>East Rajasthan</b>	Heat Wave in some parts with severe heat wave conditions in isolated pockets	Heat Wave in some parts with severe heat wave conditions in isolated pockets	Heat Wave in some parts with severe heat wave conditions in isolated pockets	Heat Wave in some parts with severe heat wave conditions in isolated pockets	Heat Wave in some parts with severe heat wave conditions in isolated pockets
<b>West Madhya Pradesh</b>	Heat wave conditions in isolated pockets	Heat wave conditions in isolated pockets	Heat wave conditions in isolated pockets	Heat wave conditions in isolated pockets	NIL
<b>East Madhya Pradesh</b>	Heat wave conditions in isolated pockets	Heat wave conditions in isolated pockets	Heat wave conditions in isolated pockets	Heat wave conditions in isolated pockets	Nil
<b>Chhattisgarh</b>	Heat wave conditions in isolated pockets	Heat wave conditions in isolated pockets	Heat wave conditions in isolated pockets	Heat wave conditions in isolated pockets	Heat wave conditions in isolated pockets
<b>Odisha</b>	Heat wave conditions in isolated pockets	Heat wave conditions in isolated pockets	Heat wave conditions in isolated pockets	Heat wave conditions in isolated pockets	Nil
<b>Vidarbha</b>	Heat Wave conditions in some parts	Heat Wave conditions in some parts	Heat wave conditions in isolated pockets	Heat wave conditions in isolated pockets	Heat wave conditions in isolated pockets
<b>Marathwada</b>	NIL	Heat wave conditions in isolated pockets	Heat wave conditions in isolated pockets	Nil	Nil
<b>Coastal Andhra Pradesh</b>	Heat wave conditions in isolated pockets	Heat wave conditions in isolated pockets	Heat wave conditions in isolated pockets	NIL	Nil
<b>Telangana</b>	Heat wave conditions in isolated pockets	Heat wave conditions in isolated pockets	Heat wave conditions in isolated pockets	Nil	Nil
<b>Rayalaseema</b>	Nil	Heat wave conditions in isolated pockets	Heat wave conditions in isolated pockets	Nil	Nil

**Heavy Rainfall Warning over Northeast India for next 05 days (in text as well as in graphic format):**

<b>Sub-Divisions</b>	<b>23 May 2020 *</b>	<b>24 May 2020 *</b>	<b>25 May 2020 *</b>	<b>26 May 2020 *</b>	<b>27 May 2020 *</b>
<b>Assam &amp; Meghalaya</b>	Rainfall at most places with Heavy rainfall at isolated places	Rainfall at most places with Heavy to very heavy rainfall at isolated places with isolated extremely heavy falls	Rainfall at most places with Heavy to very heavy rainfall at isolated places with isolated extremely heavy falls	Rainfall at most places with Heavy to very heavy rainfall at isolated places with isolated extremely heavy falls	Rainfall at most places with Heavy to very heavy rainfall at isolated places with isolated extremely heavy falls

<p><b>Arunachal Pradesh</b></p>	<p>Rainfall at most places with Heavy rainfall at isolated places</p>	<p>Rainfall at most places with Heavy to very heavy rainfall at isolated places</p>	<p>Rainfall at most places with Heavy to very heavy rainfall at isolated places with isolated extremely heavy falls</p>	<p>Rainfall at most places with Heavy to very heavy rainfall at isolated places</p>	<p>Rainfall at most places with Heavy to very heavy rainfall at isolated places</p>
<p><b>Nagaland, Manipur, Mizoram &amp; Tripura</b></p>	<p>Rainfall at many places</p>	<p>Rainfall at many places</p>	<p>Rainfall at many places with Heavy rainfall at isolated places</p>	<p>Rainfall at many places with Heavy rainfall at isolated places</p>	<p>Rainfall at many places with Heavy rainfall at isolated places</p>



## 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
  - o *Heat Wave*: Departure from normal is 4.5°C to 6.4°C
  - o *Severe Heat Wave*: Departure from normal is >6.4°C
- b) Based on Actual Maximum Temperature (for plains only)
  - o *Heat Wave*: When actual maximum temperature  $\geq 45^{\circ}\text{C}$
  - o *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 subdivision for at least two consecutive days and it will be declared on the second day.

### Heat Wave Impact & Suggested Actions:

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.

### Rainfall Warning:

Heavy rain: 64.5-115.5 mm/day; Very heavy rain: 115.6-204.4 mm/day; Extremely heavy rain: more than 204.4 mm/day

Note: \* Rainfall till 0830 IST of next day.

Legends: **Yellow: Be updated, Orange- Be prepared; Red- Take action, Green: No**

For further details and forecast updates kindly visit websites of: IMD, New Delhi:

<http://www.imd.gov.in/pages/allindiawxfcbulletin.php>

For district level warning, kindly visit website of Meteorological Centres/Regional Meteorological Centres of IMD at state levels