



**Government of India  
Ministry of Earth Sciences  
India Meteorological Department**

**Date: 07<sup>th</sup> April, 2022  
Time of Issue: 1215 hrs IST**

**Subject:**

- i) **Heat Wave Spell likely to continue over Northwest India, Madhya Pradesh, Bihar and Jharkhand during next 5 days.**
- ii) **Heavy rainfall spell likely over Arunachal Pradesh, Assam-Meghalaya and Sub-Himalayan West Bengal-Sikkim during next 4-5 days.**

**Weather observed during past 24 hours:**

- ✓ **Maximum Temperatures** (as on 06/04/2022) were **42-44°C** in most parts over West Rajasthan, parts of southeast Uttar Pradesh and Vidarbha, **41-43°C** in most parts over east Rajasthan, Madhya Pradesh; in remaining parts of East Uttar Pradesh; in some parts of Bihar, Jharkhand, Gujarat state, south Haryana, Delhi, Madhya Maharashtra, Marathwada and Chhattisgarh.
- ✓ The maximum temperatures were **above normal by 6-10°C** at many parts over Jammu division, Himachal Pradesh; **by 4-6°C** in many parts over Uttarakhand, Punjab, Rajasthan, Haryana-Delhi and in isolated pockets over Madhya Pradesh, East Uttar Pradesh and Saurashtra-Kutch.
- ✓ **Heat Wave Conditions in many parts with Severe Heat Wave conditions** in isolated pockets were observed over West Rajasthan & Himachal Pradesh and **heat wave conditions** in some parts of East Rajasthan and in isolated pockets of South Haryana, Delhi, Madhya Pradesh, south Uttar Pradesh and Saurashtra & Kutch.
- ✓ **Chief Rainfall amount (in cm): Sub-Himalayan West Bengal:** Cooch Behar-11, Jalpaiguri-8, East Sikkim-7; **Assam-Meghalaya:** Barpeta-9, Baksa-7; **Kerala:** pathanamthitta-9, Ernakulam-8.

**Maximum Temperature forecast and Heat Wave warning:**

- ✓ Rise in maximum temperatures by about 2°C very likely over parts of Northwest India during next 3 days and no significant thereafter.
- ✓ No significant change in maximum temperatures very likely over Gujarat during next 3 days and fall by 2-3°C thereafter.
- ✓ No significant change in maximum temperatures very likely over rest parts of the country during next 5 days.
- ✓ **Heat Wave conditions** in most parts with **severe heat wave conditions** in isolated pockets very likely over West Rajasthan; **Heat Wave to with severe heat wave conditions** in some parts over East Rajasthan and in isolated pockets over south Haryana-Delhi during next 5 days.

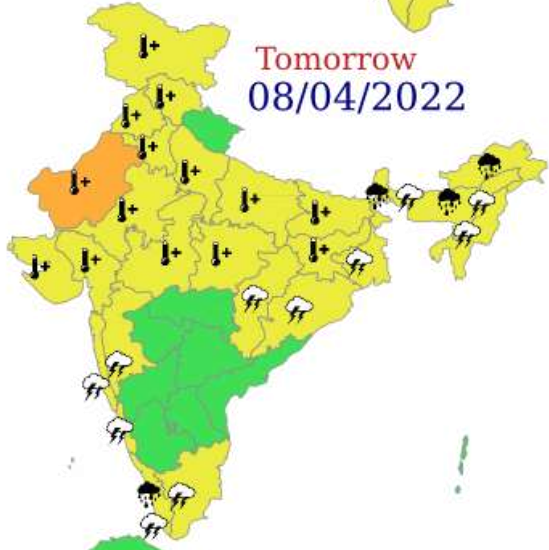
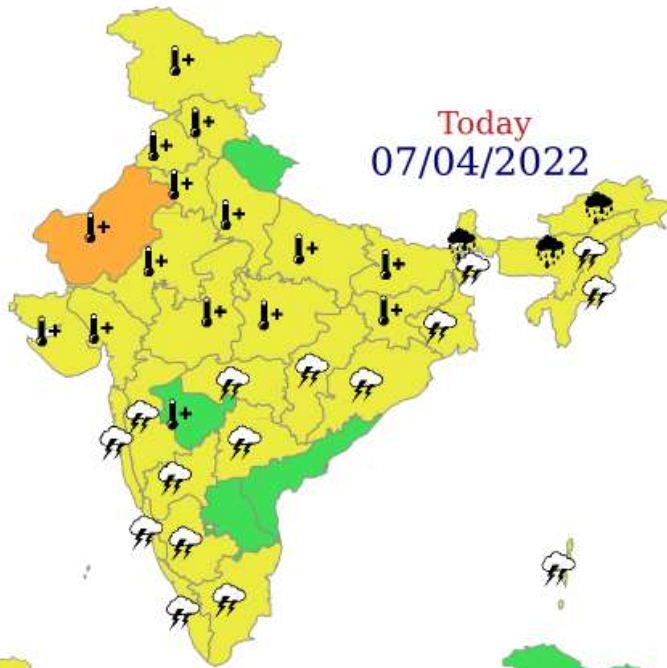
- ✓ **Heat Wave conditions** in **some** parts over Madhya Pradesh during next 5 days with severe heat wave conditions in isolated pockets over West Madhya Pradesh on 10<sup>th</sup> & 11<sup>th</sup>.
- ✓ **Heat Wave conditions** in **some** pockets over Himachal Pradesh and in **isolated pockets** over Punjab, Uttar Pradesh, Jharkhand & Bihar during next 5 days; over Jammu division on 07<sup>th</sup> & 08<sup>th</sup>; over north Madhya Maharashtra on 07<sup>th</sup>; over northern parts of Gujarat & Kutch during 07<sup>th</sup>-09<sup>th</sup> and over Vidarbha during 09<sup>th</sup>-11<sup>th</sup> April, 2022.

### **Rainfall Forecast & Warnings:**

- ✓ Under the influence of strong southwesterly winds from Bay of Bengal to northeastern States at lower tropospheric levels:
  - ❖ Fairly widespread to widespread rainfall accompanied with **thunderstorm/lightning** very likely over Sub-Himalayan West Bengal-Sikkim, Arunachal Pradesh, Assam-Meghalaya and isolated/scattered rainfall accompanied with **thunderstorm/lightning** over Nagaland, Manipur, Mizoram & Tripura during next 5 days.
  - ❖ **Isolated heavy rainfall very likely over Arunachal Pradesh & Sub-Himalayan West Bengal-Sikkim during 07<sup>th</sup>-10<sup>th</sup> April; over Assam-Meghalaya during next 5 days. Isolated very heavy rainfall also very likely west Assam-Meghalaya during 09<sup>th</sup>-11<sup>th</sup> April, 2022.**
- ✓ Under the influence of trough over south Peninsular India,
  - Light isolated/scattered rainfall accompanied with **thunderstorm/lightning** very likely over Kerala-Mahe, Lakshadweep, Tamilnadu-Puducherry-Karaikal, Karnataka during next 5 days; over Telangana on 07<sup>th</sup> and over Coastal Andhra Pradesh during 09<sup>th</sup>-11<sup>th</sup> April.
  - Isolated **heavy rainfall** likely over south Kerala on 08<sup>th</sup> & 09<sup>th</sup> April, 2022.

### **For more details refer:**

[https://mausam.imd.gov.in/imd\\_latest/contents/subdivisionwise-warning.php](https://mausam.imd.gov.in/imd_latest/contents/subdivisionwise-warning.php)



**Impact expected and action suggested due to severe heat wave conditions** over Rajasthan, Madhya Pradesh, south Haryana-Delhi, south Uttar Pradesh and Bihar.

**Impact expected:**

- Heat wave could lead to moderate health concern for vulnerable people e.g. infants, elderly, people with chronic diseases
- Increased likelihood of heat illness symptoms in people who are either exposed to sun for a prolonged period or doing heavy work.

**Action suggested:**

- Avoid heat exposure– keep cool. Avoid dehydration.
- Drink sufficient water- even if not thirsty.
- Avoid heat exposure, wear lightweight, light-colored, loose, cotton clothes and cover the head by use of cloth, hat or umbrella etc.
- Use ORS, homemade drinks like lassi, torani (rice water), lemon water, buttermilk, etc. to keep yourself hydrated.

## Legends:

**Heavy Rain:** 64.5 to 115.5 mm; **Very Heavy Rain:** 115.6 to 204.4 mm; **Extremely Heavy Rain:** >204.4 mm.

### Region wise classification of meteorological Sub-Divisions:

- 1) **Northwest India:** Western Himalayan Region (Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh and Uttarakhand); Punjab, Haryana-Chandigarh-Delhi; West Uttar Pradesh, East Uttar Pradesh, West Rajasthan and East Rajasthan.
- 2) **Central India:** West Madhya Pradesh, East Madhya Pradesh, Vidarbha and Chhattisgarh.
- 3) **East India:** Bihar, Jharkhand, Sub-Himalayan West Bengal & Sikkim; Gangetic West Bengal, Odisha and Andaman & Nicobar Islands.
- 4) **Northeast India:** Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- 5) **West India:** Gujarat Region, Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra and Marathwada.
- 6) **South India:** Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Coastal Karnataka, North Interior Karnataka, South Interior Karnataka, Kerala & Mahe, Tamil Nadu, Puducherry & Karaikal and Lakshadweep.

SPATIAL DISTRIBUTION (% of Stations reporting)			
% Stations	Category	% Stations	Category
76-100	Widespread (WS/ Most Places)	26-50	Scattered (SCT/ A Few Places)
51-75	Fairly Widespread (FWS/ Many Places)	1-25	Isolated (ISOL)



Heavy Rain



Strong Winds

### 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



Thunderstorm with Lightning



Heat Wave