



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

**Date: 01st April, 2022
Time of Issue: 1215 hrs IST**

Subject:

- i) Heat Wave Spell likely to continue over Rajasthan & Madhya Pradesh during next 4-5 days and over rest parts of northwest, Central & West India during next 2 days.**
- ii) Heavy spell of rainfall over Arunachal Pradesh and Assam-Meghalaya during next 5 days.**

Weather observed during past 24 hours:

- ✓ **Maximum Temperatures** (as on 31/03/2022) were **41-42°C** in most parts over Vidarbha; in some parts over Rayalaseema, Marathwada, Madhya Maharashtra; in isolated pockets over West Madhya Pradesh, East Uttar Pradesh, Gujarat state and **40-41°C** in many parts over Rajasthan, East Madhya Pradesh, Telangana; in isolated pockets over Delhi, Chhattisgarh, Jharkhand, Gangetic West Bengal and Interior Odisha.
- ✓ The maximum temperatures were **above normal by 6-8°C** at many parts over Jammu division, Himachal Pradesh, Uttarakhand, Punjab, Haryana-Delhi and **by 4-6°C** in many parts over Rajasthan, Madhya Pradesh and in isolated pockets over Uttar Pradesh, Saurashtra-Kutch, Vidarbha, Madhya Maharashtra, Chhattisgarh, Jharkhand and Gangetic West Bengal.
- ✓ **Heat Wave to Severe Heat Wave conditions** observed in some parts of Himachal Pradesh, south Haryana and Delhi and **Heat Wave conditions** in most parts of East Madhya Pradesh; in many parts of Rajasthan; in some parts of West Madhya Pradesh and in isolated pockets of south Uttar Pradesh, Madhya Maharashtra and Vidarbha.

Maximum Temperature and Heat Wave conditions Forecast:

- ✓ No significant change in maximum temperatures very likely over most parts of Northwest India during next 24 hours and rise 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 some parts** very likely over Madhya Pradesh during next 5 days. **Isolated Heat Wave conditions** over Rajasthan during next 5 days; over Himachal Pradesh, south Haryana-Delhi, southwest Uttar Pradesh, Gujarat state, Vidarbha, Chhattisgarh, Jharkhand on 01st & 02nd April; over Telangana on 02nd & 03rd April and over East Uttar Pradesh, Madhya Maharashtra on 01st April, 2022.

Rainfall Forecast & Warnings:

- ✓ Under the influence of a north-south trough from east Bihar to Northwest Bay of Bengal and strong southwesterly winds from Bay of Bengal to northeastern States at lower tropospheric levels; fairly widespread to widespread light/moderate rainfall over Arunachal Pradesh, Assam-Meghalaya & Nagaland, Manipur, Mizoram & Tripura during next 5 days with **thunderstorm/lightning** over the region on 01st & 02nd April.
- ✓ **Isolated heavy rainfall likely over Assam-Meghalaya & Arunachal Pradesh during next 5 days; over Nagaland, Manipur on 01st April and over Sub-Himalayan West Bengal-Sikkim on 03rd & 04th April. Isolated very heavy rainfall also likely over Assam-Meghalaya 01st, 03rd & 04th & Arunachal Pradesh on 03rd & 04th April, 2022.**
- ✓ Under the influence of trough/wind discontinuity over south Peninsular India,
 - Light isolated rainfall very likely over Kerala-Mahe, Tamilnadu-Puducherry-Karaikal, Coastal & South Interior Karnataka during next 5 days and over Coastal Andhra Pradesh & Telangana on 05th April.
 - Isolated **thunderstorm/lightning** activity also very likely over Tamilnadu on 01st April and over Kerala & Mahe during next 5 days.

For more details refer:

https://mausam.imd.gov.in/imd_latest/contents/subdivisionwise-warning.php



Impact expected and action suggested due to heat wave conditions over Madhya Pradesh.

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