

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:

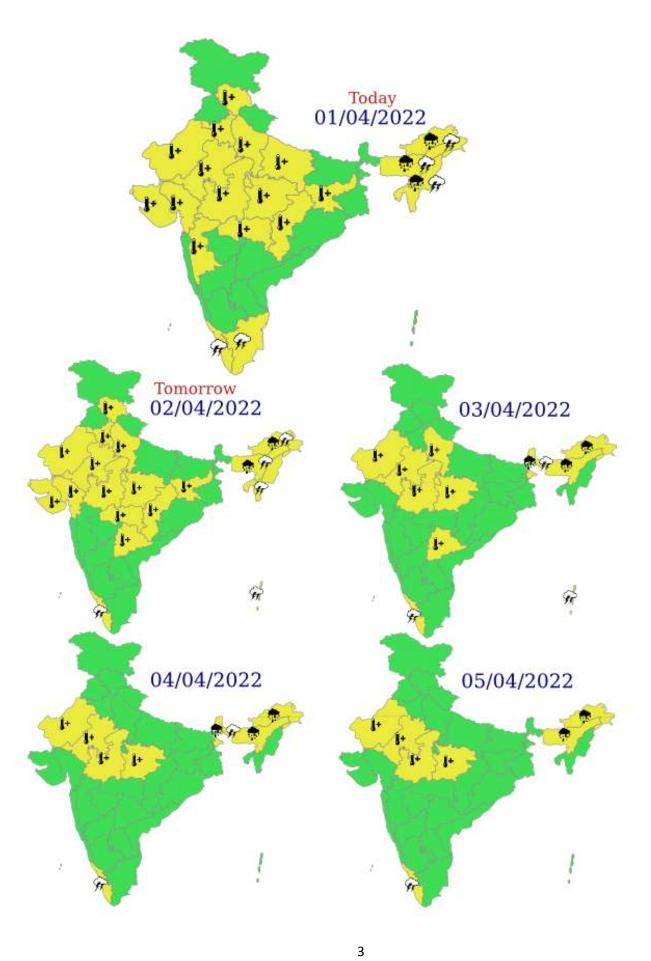
- ✓ No significant change in maximum temperatures very likely over most parts of Northwest India during next 24 hours and rise by 2-3°C thereafter.
- ✓ No significant change in maximum temperatures very likely over rest parts of the country during next 5 days.
- ✓ Heat wave conditions in some parts very 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.

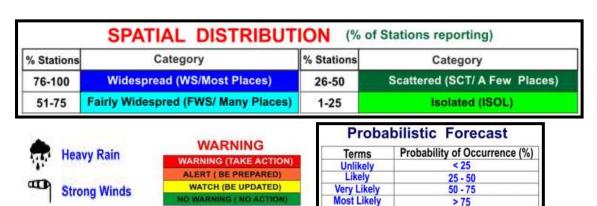
Legends:

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.

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Strong Winds