



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

**Date: 29th March, 2022
Time of Issue: 1230 hrs IST**

Subject:

- i) **Heat Wave Spell over Northwest, Central & West India likely to continue during next 4-5 days.**
- ii) **Light to moderate rainfall activity very likely to continue over Northeast India during next 5 days with possibility of isolated heavy falls over Assam-Meghalaya and Arunachal Pradesh on 31st March & 01st April, 2022.**

Weather observed during past 24 hours:

- ✓ **Maximum Temperatures** (as on 28/03/2022) were **40-41°C** in many parts over West Rajasthan, West Madhya Pradesh, Vidarbha, Gujarat state, Marathwada; in some parts over East Rajasthan & Rayalaseema and in isolated pockets over Haryana, East Uttar Pradesh, Madhya Maharashtra and Telangana.
- ✓ The maximum temperatures were **above normal by 4-7°C** at many places over Jammu Division, Himachal Pradesh, Uttarakhand, West Rajasthan, Punjab, Haryana-Chandigarh and in some parts over East Rajasthan & West Uttar Pradesh and at isolated places over Madhya Pradesh, Gujarat state and Madhya Maharashtra.
- ✓ **Heat Wave to Severe Heat Wave conditions** were observed in many parts of West Rajasthan; in some parts of East Rajasthan and **Heat Wave conditions** in many parts of Himachal Pradesh; in some parts of Saurashtra-Kutch and in isolated pockets of Jammu Division, Uttarakhand and West Madhya Pradesh

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 fall by about 2°C thereafter over the plains of Northwest India.
- ✓ Gradual rise in maximum temperatures by about 2°C very likely over many parts of Central & East India during next 3 days and no significant change thereafter.
- ✓ No significant change in maximum temperatures very likely over most parts of Gujarat state during next 2 days and gradual rise by 2-3°C thereafter.
- ✓ Gradual rise in maximum temperatures by 2-4°C very likely over Maharashtra during next 5 days.
- ✓ No significant change in maximum temperatures very likely over rest parts of the country during next 5 days.

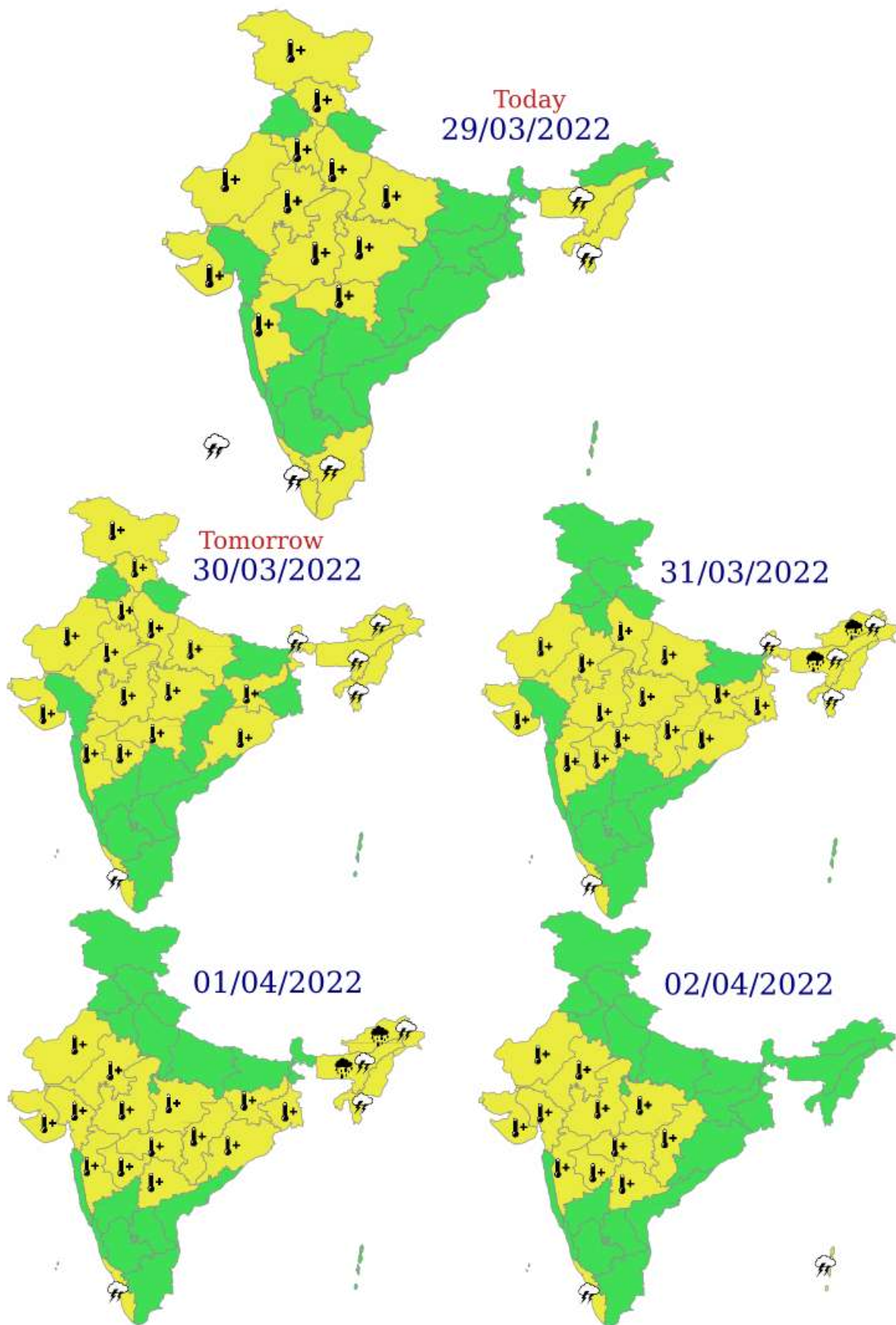
- ✓ **Heat wave to severe heat wave conditions in most parts very likely over West Rajasthan; in some parts over East Rajasthan & West Madhya Pradesh on 29th & 30th and heat wave conditions in isolated pockets over these areas during 31st March to 02nd April. Heat wave to severe heat wave conditions in isolated pockets over south Haryana & Delhi on 29th & 30th March.**
- ✓ **Isolated Heat Wave conditions** very likely over Jammu Division and Himachal Pradesh on 29th & 30th; over Saurashtra-Kutch, East Madhya Pradesh, Vidarbha, Madhya Maharashtra & Marathwada during 29th March-02nd April; over south Uttar Pradesh during 29th-31st March; over Jharkhand & interior Odisha during 30th March-01st April; over Gangetic West Bengal on 31st March & 01st April; over Chhattisgarh during 31st March-02nd April and over Gujarat region on 01st & 02nd April, 2022.

Rainfall Forecast & Warnings:

- ✓ Light to moderate scattered rainfall very likely over Northeast India during next 48 hours. Thereafter, under the influence of strong southwesterly winds from Bay of Bengal to northeastern states at lower tropospheric levels; fairly widespread to widespread light/moderate rainfall with thunderstorm/lightning/gusty winds (40-50 kmph) very likely over the region during 31st March-02nd April. **Isolated heavy rainfall over Assam-Meghalaya and Arunachal Pradesh likely on 31st March & 01st April, 2022.**
- ✓ Under the influence of trough/wind discontinuity over south Peninsular India,
 - Light to moderate isolated/scattered rainfall very likely over Kerala-Mahe, Tamilnadu-Puducherry-Karaikal, Lakshadweep and Coastal & South Interior Karnataka during next 5 days.
 - Isolated **thunderstorm/lightning** activity also very likely over Tamilnadu-Puducherry-Karaikal & Lakshadweep on 29th March and 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 to severe heat wave conditions over Rajasthan and West Madhya Pradesh during next 5 days.

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