



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

**Date: 28th March, 2022
Time of Issue: 1245 hrs IST**

Subject:

- i) Heat Wave Spell over Northwest, Central & West India 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 27/03/2022) recorded **40-41°C** in many parts over Vidarbha, Gujarat state and West Rajasthan; in some parts over Marathwada and West Madhya Pradesh and in isolated pockets over East Rajasthan, Odisha and Telangana.
- ✓ The maximum temperatures were **above normal by 4-6°C** at many places over West Rajasthan, Jammu Division, Himachal Pradesh, Uttarakhand, Punjab, Haryana-Chandigarh and in some parts over Saurashtra-Kutch and at isolated places over West Madhya Pradesh and East Rajasthan.
- ✓ **Heat Wave to Severe Heat Wave conditions** observed in many parts of West Rajasthan; **Heat Wave conditions** in some parts of Himachal Pradesh & 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 2 days and fall by about 2°C thereafter.
- ✓ No significant change in maximum temperatures very likely over most parts of Gujarat state during next 3 days and gradual rise by 2-3°C thereafter.
- ✓ Gradual rise in maximum temperatures by 2-3°C very likely over Maharashtra during next 5 days.
- ✓ No significant change in maximum temperatures very likely over most parts of East India during next 2 days and gradual 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 to severe heat wave** conditions in some parts very likely over West Rajasthan during 28th-30th March and isolated **heat wave conditions** on 31st March & 01st April, 2022.

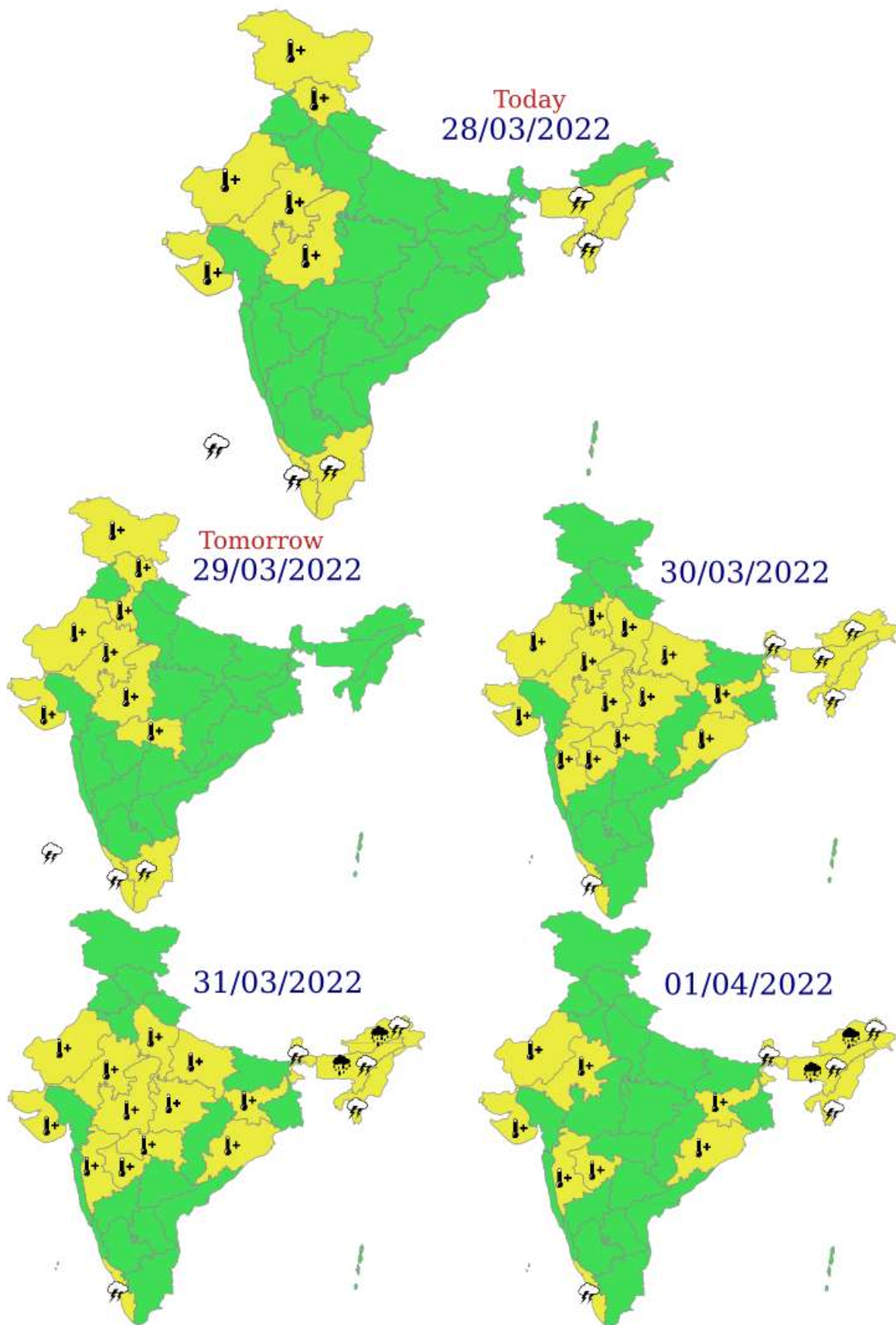
- ✓ **Isolated Heat Wave conditions** very likely over Jammu Division & Himachal Pradesh on 28th & 29th; over south Haryana on 29th & 30th; over Saurashtra-Kutch, East Rajasthan & West Madhya Pradesh during 28th March-01st April; over Vidarbha, north Madhya Maharashtra & Marathwada during 29th-31st March; over south Uttar Pradesh on 30th & 31st March; over Jharkhand & interior Odisha during 30th March-01st April, 2022.

Rainfall Forecast & Warnings:

- ✓ Light to moderate isolated/scattered rainfall very likely to continue over Northeast India during next 2 days. Thereafter, under the influence of strong southwesterly winds from Bay of Bengal to northeastern states at lower tropospheric levels; Scattered to fairly widespread light/moderate rainfall with thunderstorm/lightning/gusty winds (40-50 kmph) very likely over the region during 30th March-01st April **with isolated heavy rainfall over Assam-Meghalaya and Arunachal Pradesh 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 and Coastal & South Interior Karnataka during next 5 days.
 - Isolated **thunderstorm/lightning** activity also very likely over Tamilnadu-Puducherry-Karaikal & Lakshadweep on 28th & 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 West Rajasthan during 28th-30th March, 2022.

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