



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

**Date: 30th March, 2022
Time of Issue: 1300 hrs IST**

Subject:

- i) Heat Wave Spell likely to continue over Central & West India during next 4-5 days**
- ii) Reduction in intensity of Heat Wave Spell over Northwest India during 01st-03rd April, 2022.**
- iii) Isolated heavy rainfall over Arunachal Pradesh during 31st March-03rd April and Assam-Meghalaya on 31st March, 02nd & 03rd April.**

Weather observed during past 24 hours:

- ✓ **Maximum Temperatures** (as on 29/03/2022) were **41-42°C** in most parts over West Rajasthan, West Madhya Pradesh Vidarbha, Madhya Maharashtra, Marathwada and **40-41°C** in many parts over East Uttar Pradesh, Rayalaseema & Telangana; in some parts over Gangetic West Bengal and in isolated pockets over Haryana, West Uttar Pradesh and Interior Odisha.
- ✓ The maximum temperatures were **above normal by 4-7°C** at many places over Rajasthan, West Uttar Pradesh and in some parts over Madhya Pradesh and at isolated places over Uttarakhand, East Uttar Pradesh, Punjab, Haryana-Chandigarh, Gujarat state and Madhya Maharashtra.
- ✓ **Heat Wave to Severe Heat Wave conditions** were observed in most parts of West Rajasthan; in many parts of East Rajasthan; in some parts of Delhi; in isolated pockets of south Haryana and **Heat Wave conditions** in some parts of Himachal Pradesh, East Uttar Pradesh and Madhya Pradesh and in isolated pockets of Jammu Division and West Uttar Pradesh.

Maximum Temperature and Heat Wave conditions Forecast:

- ✓ No significant change in maximum temperatures very likely over most parts of Northwest India during next 48 hours and fall by about 1-2°C thereafter over the plains of Northwest India.
- ✓ Gradual rise in maximum temperatures by 2-3°C very likely over most parts of Maharashtra, East India & South Peninsular India during next 3-5 days and no significant change thereafter.
- ✓ No significant change in maximum temperatures very likely over most parts of Gujarat state 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.

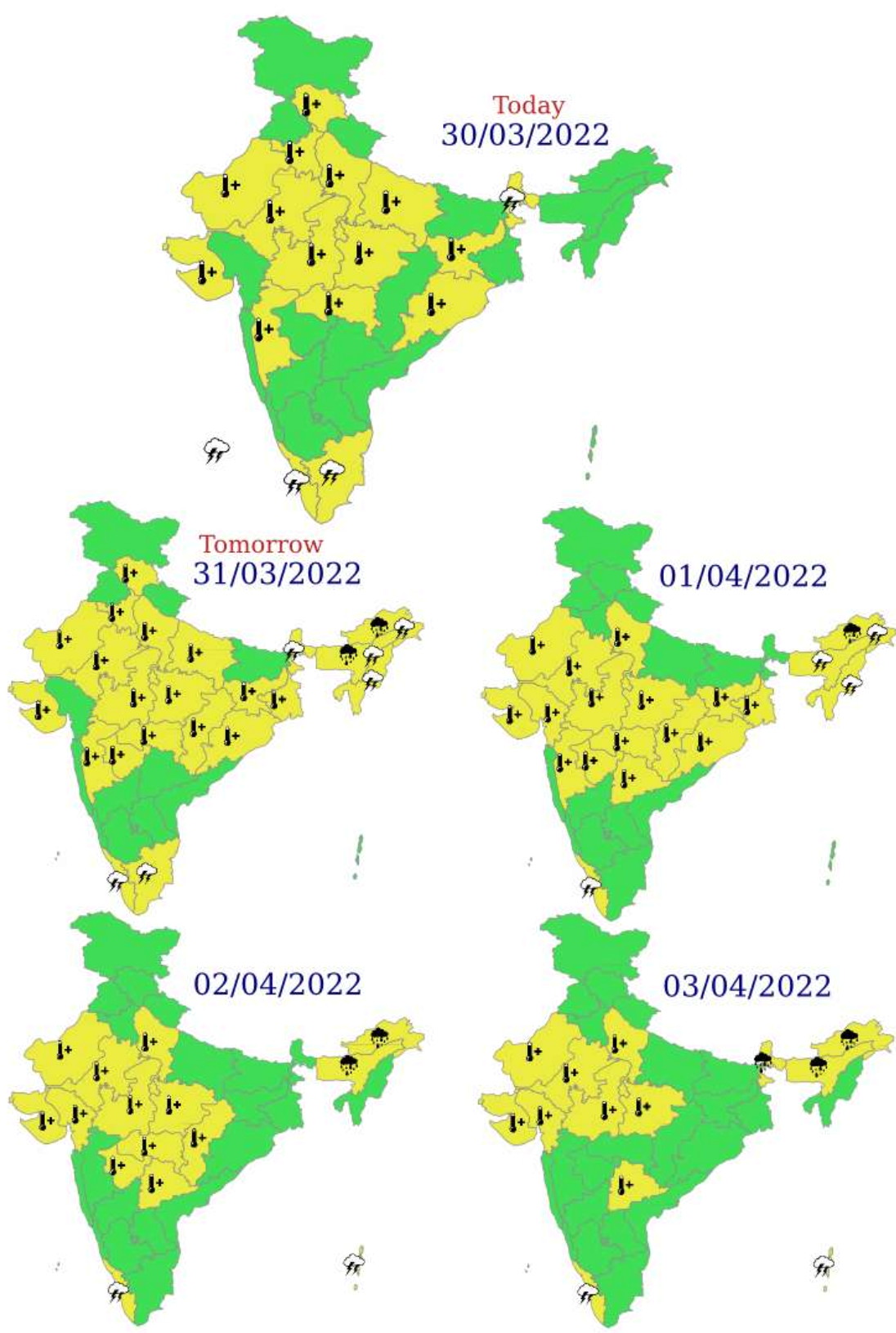
- ✓ **Heat wave to severe heat wave conditions in most parts very likely to continue over West Rajasthan on 30th March and in many parts on 31st March & in some parts over West Uttar Pradesh, East Rajasthan & West Madhya Pradesh on 30th & 31st March. Heat wave to severe heat wave conditions in isolated pockets over south Haryana & Delhi on 30th & 31st March. It is likely to reduce spatially and in terms of intensity over these areas during 01st-03rd April with Heat wave conditions in some pockets over these areas during the same period.**
- ✓ **Isolated Heat Wave conditions** very likely over Himachal Pradesh & East Uttar Pradesh on 30th & 31st; over Madhya Maharashtra, Jharkhand & interior Odisha during 30th March-01st April; over Gangetic West Bengal on 31st March & 01st April; over Chhattisgarh, Marathwada & Telangana during 31st March-02nd April; over Vidarbha during 30th -02nd April; over Gujarat region on 01st-03rd April and over East Madhya Pradesh & Saurashtra-Kutch during next 5 days.

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 light/moderate rainfall with **thunderstorm/lightning & squall** (50-60 kmph) very likely over **Assam-Meghalaya**; with **thunderstorm/lightning/gusty winds** (30-40 kmph) over Nagaland-Manipur-Mizoram-Tripura and with **thunderstorm/lightning** over **Arunachal Pradesh** on 31st March & 01st April.
- ✓ **Isolated heavy rainfall** likely over Sub-Himalayan West Bengal-Sikkim on 03rd April; Assam-Meghalaya on 31st March, 02nd & 03rd April and over Arunachal Pradesh during 31st March-03rd April, 2022.
- ✓ Under the influence of trough/wind discontinuity over south Peninsular India,
 - Light to moderate isolated/scattered rainfall very likely over Coastal Karnataka & Lakshadweep on 30th & 31st March; over Kerala-Mahe, Tamilnadu-Puducherry-Karaikal and South Interior Karnataka during next 5 days.
 - Isolated **thunderstorm/lightning** activity also very likely over Lakshadweep on 30th March; over Tamilnadu-Puducherry-Karaikal on 30th & 31st March 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 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