



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

**Press Release
Date: 30th April, 2022
Time of Issue: 1430 hrs IST**

Subject:

- i) Heat wave conditions to continue over Northwest & Central India till 02nd May and over East India till 30th April and abate thereafter.**
- ii) Thunderstorm activity likely to enhance over East and Northeast India from today and over northwest India from 03rd May, 2022.**
- iii) Formation of a Low Pressure area over south Andaman Sea around 06th May, 2022.**

Weather observed during past 24 hours:

- ✓ **Heat wave to severe heat wave conditions** prevailed in isolated pockets over East Uttar Pradesh; **heat wave conditions** in many parts over Vidarbha; in some parts over Haryana-Chandigarh-Delhi and Himachal Pradesh; in isolated pockets over western parts of Jammu Division, Gangetic West Bengal, Jharkhand, Interior Odisha, West Uttar Pradesh, Madhya Pradesh, North Rajasthan, Punjab, Madhya Maharashtra and Kutch.
- ✓ **Maximum Temperatures** (as on 29/04/2022) were **44-47°C** over most parts of East Uttar Pradesh, Madhya Pradesh & Vidarbha; **42-45°C** in most parts over West Rajasthan, Haryana-Delhi & Telangana; in many parts of Jharkhand, Gujarat, West Uttar Pradesh; in some parts of Madhya Maharashtra, Punjab and in isolated pockets of Marathwada, Bihar & interior Gangetic West Bengal, Chhattisgarh, northern Odisha and Rayalaseema.

Maximum Temperature forecast and Heat Wave warning:

- ✓ No significant change in maximum temperatures very likely over many parts of Northwest India during next 4 days and fall by 2-3°C thereafter.
- ✓ No significant change in maximum temperatures very likely over most parts of Central India during next 3 days and fall by about 2-3°C thereafter.
- ✓ No significant change in maximum temperatures very likely over most parts of East India, Gujarat and Maharashtra during next 24 hours and gradual fall by 2-3°C during subsequent 4 days.
- ✓ No significant change in maximum temperatures very likely over rest parts of the country.

Heat wave conditions:

- **Heat Wave conditions** likely to continue in some parts over West Rajasthan on 30th April & 01st May with **Severe Heat Wave Conditions** on 01st May and gradually decreases to **Heat Wave conditions** in isolated pockets on 02nd & 03rd May. **Severe Heat Wave**

Conditions in isolated pockets also likely to continue over East Uttar Pradesh on 30th April.

- **Heat Wave conditions in some/isolated parts over**
 - West Madhya Pradesh & East Rajasthan during 30th April-03rd May;
 - Punjab, Haryana-Chandigarh-Delhi, East Madhya Pradesh, Telangana, Jammu Division & Vidarbha during 30th April-02nd May;
 - West Uttar Pradesh, Himachal Pradesh on 30th April & 01st May;
 - Interior Odisha, Jharkhand, Gangetic West Bengal, Chhattisgarh, Gujarat State, Madhya Maharashtra on 30th April.

Rainfall/thunderstorm Forecast & Warnings:

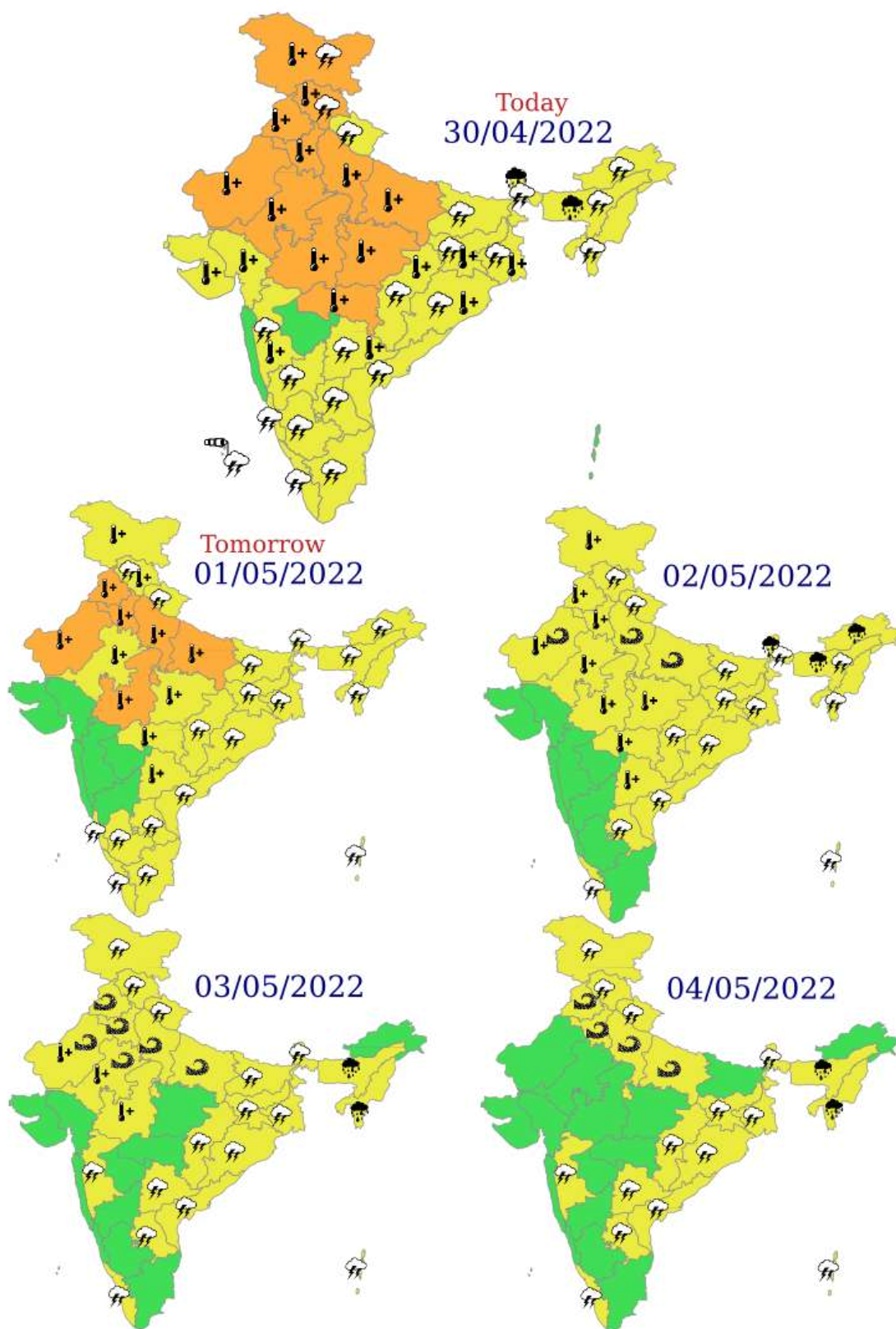
- ✓ Under the influence of an east-west oriented trough across north and northeast India in lower tropospheric levels:
 - ❖ Fairly widespread/widespread rainfall with **thunderstorm/lightning/gusty winds (speed reaching 40-50 kmph)** very likely over Northeast India & Sub-Himalayan West Bengal-Sikkim during next 5 days. **Thunderstorm/lightning/hail & squall (speed reaching 50-60 kmph)** very likely over Sub-Himalayan West Bengal-Sikkim on 30th April, 2022.
 - ❖ **Isolated heavy rainfall** very likely over Arunachal Pradesh on 02nd May; over Assam-Meghalaya on 30th & during 02nd-04th May and over Nagaland-Manipur-Mizoram-Tripura on 03rd & 04th May.
- ✓ Under the influence of a **Western Disturbance** as a trough in mid & upper tropospheric westerlies along Long.71°E & to the north of Lat.28°N: light/moderate isolated to scattered rainfall accompanied with **thunderstorm/lightning/gusty winds (speed reaching 30-40 kmph)** very likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh and Uttarakhand on 30th April & 01st May.
- ✓ Under the influence of another fresh Western Disturbance likely to affect Northwest India from the night of 01st May, 2022:
- ✓ Light to moderate isolated to scattered accompanied with **thunderstorm & lightning** very likely over Western Himalayan Region on 02nd and scattered/fairly widespread on 03rd & 04th May. Isolated **hailstorm** also likely over the region on 03rd May, 2022.
 - ❖ Isolated light rainfall likely over plains of Northwest India during 02nd-04th May.
 - ❖ **Duststorm/Thunderstorm** very likely at isolated places over Punjab & Haryana-Chandigarh-Delhi on 03rd-04th May; over Uttar Pradesh during 02nd-04th and West Rajasthan on 02nd & 03rd May and over East Rajasthan on 03rd May.
- ✓ Due to trough/wind discontinuity over peninsular India in lower tropospheric levels:
 - ❖ Isolated to scattered rainfall with **thunderstorm/lightning** very likely over Kerala, Karnataka, Tamil Nadu, Andhra Pradesh and Telangana during next 5 days.

- ✓ A cyclonic circulation is likely to form over South Andaman Sea and neighbourhood around 04th May. Under its influence, a **Low Pressure Area** is likely to form over the same region around 06th May. It is likely become more marked during subsequent 24 hours.

- ❖ **Squally wind (speed reaching 40-50 kmph gusting to 60 kmph)** is likely to prevail over South Andaman Sea on 05th & 06th May. Fishermen are advised not to venture into South Andaman Sea and adjoining southeast Bay of Bengal on 05th & 06th May.

For more details refer:

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



Impact expected and action suggested due to Severe/heat wave conditions over

- West Madhya Pradesh & Rajasthan during 30th April-03rd May;
- Punjab, Haryana-Chandigarh-Delhi, East Madhya Pradesh, Telangana, Jammu Division & Vidarbha during 30th April-02nd May;
- Uttar Pradesh, Himachal Pradesh on 30th April & 01st May;
- Interior Odisha, Jharkhand, Gangetic West Bengal, Chhattisgarh, Gujarat State, Madhya Maharashtra on 30th April.

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