



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

**Press Release
Date: 01st May, 2022
Time of Issue: 1230 hrs IST**

Subject:

- i) Heat wave conditions to continue over Northwest India today and over Central India during next 2 days and abate thereafter.**
- ii) Thunderstorm activity very likely over Northwest & East India till 04th may and over Northeast India till 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 over some parts of Delhi; in isolated pockets over Gurgaon, Chandigarh and Himachal Pradesh; **heat wave conditions** prevailed in many parts of West Rajasthan; in some parts of Punjab and Vidarbha; in isolated pockets over Haryana, Interior Odisha, Jharkhand, Kutch, Uttar Pradesh and North Madhya Pradesh.
- ✓ **Maximum Temperatures** (as on 30/04/2022) were **43-46°C** over most parts of West Rajasthan, Punjab, Haryana-Delhi, Madhya Pradesh & Vidarbha; in some parts of East Rajasthan, Madhya Maharashtra, Gujarat state; in isolated pockets of southeast Uttar Pradesh & Telangana and **42-44°C** in many parts of Marathwada, West Uttar Pradesh, Jharkhand, Rayalaseema, remaining parts of Uttar Pradesh and in isolated pockets of Himachal Pradesh, Bihar, Chhattisgarh, northern parts of Odisha and Coastal Andhra Pradesh.

Maximum Temperature forecast and Heat Wave warning:

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

Heat wave conditions:

- ✓ **Heat Wave conditions in isolated parts** over
 - Vidarbha during 01st-03rd May;
 - Madhya Pradesh, Chhattisgarh, Telangana & West Rajasthan on 01st & 02nd May;

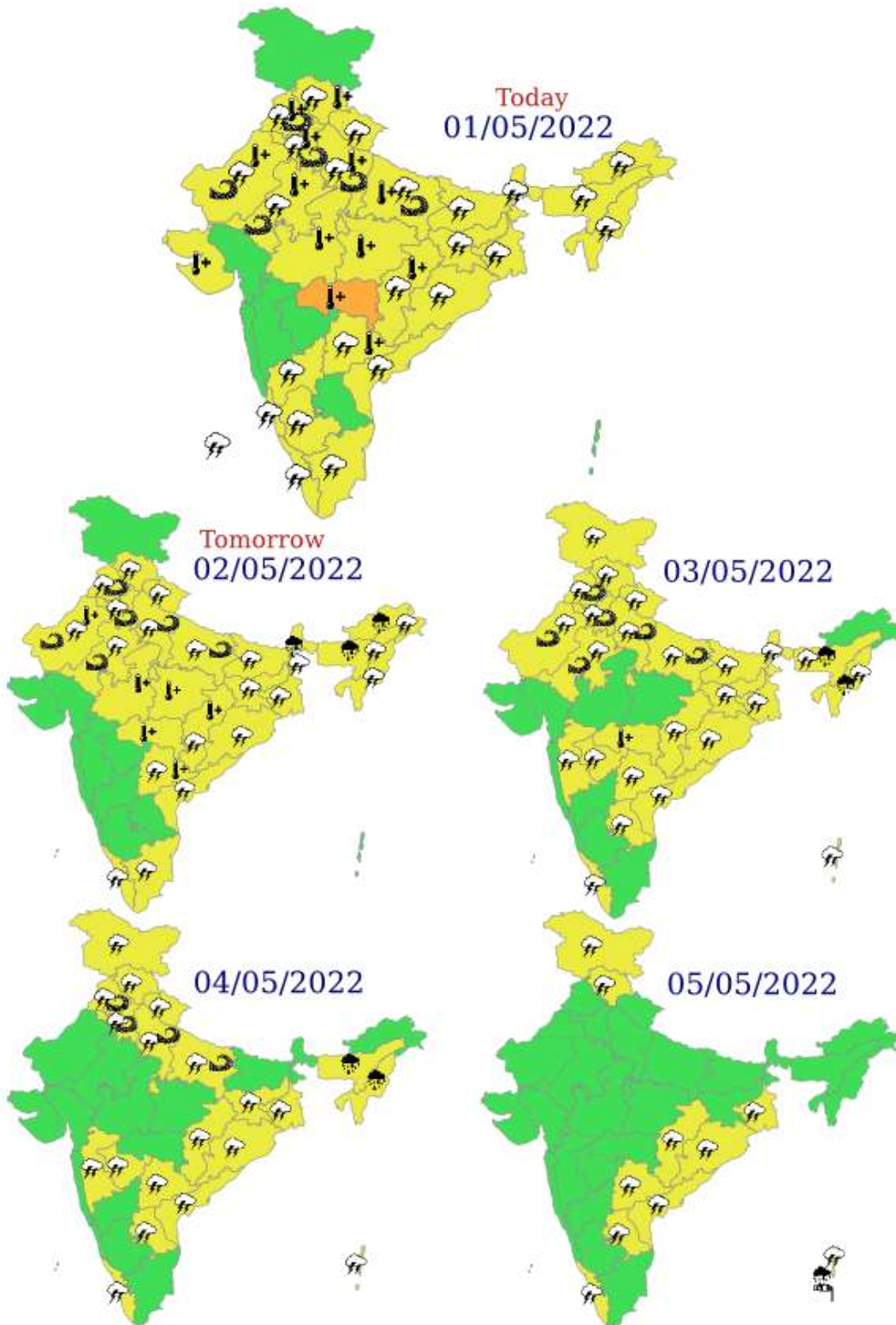
- Himachal Pradesh, Punjab, Haryana-Chandigarh-Delhi, south Uttar Pradesh, Kutch & East Rajasthan on 01st May.
- **Heat wave conditions very likely to abate over the above regions thereafter.**

Rainfall/thunderstorm Forecast & Warnings:

- ✓ Under the influence of southwesterly winds from Bay of Bengal over east & northeast India in lower tropospheric levels:
 - ❖ Fairly widespread/widespread rainfall very likely over Northeast India & Sub-Himalayan West Bengal-Sikkim during next 5 days with **thunderstorm/lightning/gusty winds (speed reaching 40-50 kmph)** over the region during next 3 days.
 - ❖ **Isolated heavy rainfall** very likely over Arunachal Pradesh & Sub-Himalayan West Bengal-Sikkim on 02nd May; over Assam-Meghalaya during 02nd-04th May and over Nagaland-Manipur-Mizoram-Tripura on 03rd & 04th May.
 - ❖ Scattered to fairly widespread rainfall with **thunderstorm/lightning/gusty winds (speed reaching 40-50 kmph)** very likely over Bihar, Jharkhand, Gangetic West Bengal & Odisha during next 5 days.
- ✓ Under the influence of a **Western Disturbance** as a trough in mid & upper tropospheric westerlies along Long.55°E & to the north of Lat.20°N:
 - ❖ Light/moderate isolated rainfall accompanied with **thunderstorm/lightning** very likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh and Uttarakhand during next 2 days and scattered/fairly widespread rainfall with **thunderstorm/lightning/gusty winds (speed reaching 40-50 kmph)** during 03rd-05th May. Isolated **hailstorm** also likely over Jammu & Kashmir on 03rd May and over Himachal Pradesh & Uttarakhand on 03rd & 04th May, 2022.
 - ❖ Isolated light rainfall with **Duststorm/thunderstorm/lightning/gusty winds (speed reaching 40-50 kmph)** very likely over Punjab, Haryana-Chandigarh-Delhi, Uttar Pradesh and Rajasthan during next 4 days.
 - ❖ **Strong dust raising surface winds (speed reaching 30-40 kmph)** very likely to prevail over most parts of Northwest India during next 2 days.
- ✓ 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.
 - ❖ **Heavy rainfall** at isolated places very likely over Andaman & Nicobar Islands on 05th May.
 - ❖ **Squally wind (speed reaching 40-50 kmph gusting to 60 kmph)** is likely to prevail over southeast Bay of Bengal & adjoining South Andaman Sea on 05th & 06th May. Fishermen are advised not to venture into these areas.

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 Vidarbha during 01st-03rd May; over Madhya Pradesh, Chhattisgarh, Telangana & West Rajasthan on 01st & 02nd May; over Himachal Pradesh, Punjab, Haryana-Chandigarh-Delhi, south Uttar Pradesh, Kutch & East Rajasthan on 01st May.

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