



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

**Press Release
Date: 02nd May, 2022
Time of Issue: 1245 hrs IST**

Subject:

- i) Abatement of Heat wave conditions over most parts of the country.**
- ii) Thunderstorm/gusty winds very likely over Northwest India till 04th may; over East India & south Peninsular India till 06th 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 in most parts of West Rajasthan; in isolated pockets of Himachal Pradesh; **heat wave conditions** in isolated pockets of Vidarbha and East Madhya Pradesh.
- ✓ **Maximum Temperatures** (as on 01/05/2022) were **43-47°C** over most parts of Rajasthan, Vidarbha, Telangana; in some parts of Haryana-Delhi, West Madhya Pradesh; in isolated pockets of East Madhya Pradesh, north Madhya Maharashtra, Marathawada, Gujarat state, Jharkhand, Rayalaseema, Chhattisgarh and **40-42°C** in isolated pockets of northern parts of Odisha and Coastal Andhra Pradesh.
- ✓ **Chief amount of rainfall (in cm): Tamilnadu:** Perundurai-12; Sholavandan-6; **Assam-Meghalaya:** Silchar and Cherrapunji-7 each; **Coastal Andhra Pradesh:** Nellore-6; Kalingapatnam-4; **Kerala:** Ernakulam, Idukki and Kochin-4; Chittur-3; **Rayalaseema:** Chinnamandem-6; **Andaman & Nicobar Islands:** Car Nicobar-5; **South Interior Karnataka:** Bangalore-5.

Maximum Temperature forecast and Heat Wave warning:

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

Heat wave conditions:

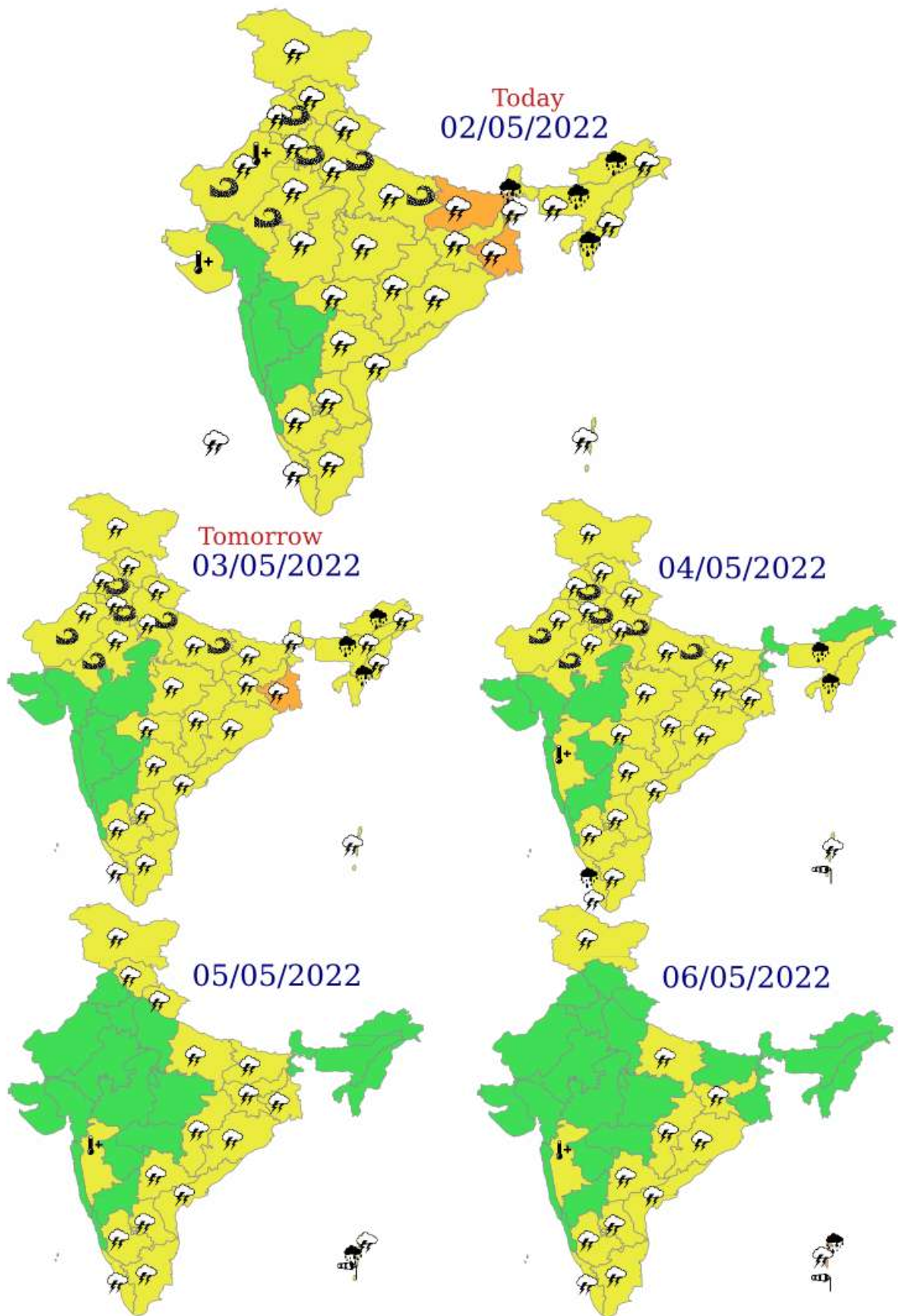
- **Heat Wave conditions** in isolated pockets of West Rajasthan & Kutch today and **Heat wave conditions very likely to abate thereafter.**
- **Heat Wave conditions** in isolated pockets of north Madhya Maharashtra during 04th-06th May.

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 isolated **thunderstorm/lightning/gusty winds (speed reaching 40-50 kmph)** over the region during next 2 days.
 - ❖ **Isolated heavy rainfall** very likely over Sub-Himalayan West Bengal-Sikkim on 02nd May; over Arunachal Pradesh on 02nd & 03rd; over Assam-Meghalaya & Nagaland-Manipur-Mizoram-Tripura during 02nd-04th May. Isolated **very heavy rainfall** also likely over Assam-Meghalaya & Tripura 03rd May.
 - ❖ Scattered to fairly widespread rainfall with isolated **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.62°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 24 hours and likely to increase thereafter with scattered to fairly widespread rainfall with isolated **thunderstorm/lightning/gusty winds (speed reaching 40-50 kmph)** during 03rd-06th May. Isolated **hailstorm** also likely 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 3 days.
- ✓ Due to trough/wind discontinuity over peninsular India in lower tropospheric levels:
 - ❖ Isolated to scattered rainfall with **thunderstorm/lightning/gusty winds** very likely over Kerala, Karnataka, Tamil Nadu, Andhra Pradesh and Telangana during next 5 days.
 - ❖ **Isolated heavy rainfall** very likely over Kerala-Mahe on 04th May, 2022.
- ✓ 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. It is very likely to cause;
 - ❖ **Heavy rainfall** at isolated places very likely over Andaman & Nicobar Islands on 05th and isolated **heavy to very heavy rainfall** on 06th May.
 - ❖ **Squally wind (speed reaching 40-50 kmph gusting to 60 kmph)** very likely to prevail over South Andaman Sea & adjoining north Andaman Sea and Eastcentral Bay of Bengal on 04th & 05th May and **(speed reaching 50-60 kmph gusting to 70 kmph)** likely to prevail over Andaman Sea adjoining Eastcentral & Southeast Bay of Bengal on 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



EXPECTED IMPACT & ACTION SUGGESTED due to **thundersquall** over Bihar and Gangetic West Bengal.

A. Impact Expected:

- Damage to thatched huts and asbestos roofed houses and cars. Roof tops may blow off.
- Unattached metal sheets may fly.
- Damage to power and communication lines due to breaking of tree branches.
- Damage to standing crops.
- Lightning strikes to ground.
- Flash flood due to associated rain

B. Action Suggested

- Do not take shelter under isolated trees.
- Immediately get out of and away from ponds, lakes, and outdoor watery area (e.g. paddy transplantation).
- Go indoors or seek safe pukka shelters after hearing thunder. Stay indoors for 30 minutes after hearing the last clap of thunder.
- If no shelter is available, immediately get into the lightning crouch.
- During travel, stay inside car or bus or train when thunderstorm occurs.
- Do not use electric/ electronic appliance.
- Stay away from downed power lines.

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