



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release
Date: 03rd May, 2022
Time of Issue: 1245 hrs IST

Subject:

- i) No Heat wave conditions over northwest, central & East India during next 4-5 days.**
- ii) Formation of a Low Pressure area over south Andaman Sea around 06th May, 2022.**

Weather observed during past 24 hours:

- ✓ **Heat wave conditions** prevailed in isolated pockets of northwest Rajasthan and south Haryana.
- ✓ **Maximum Temperatures** (as on 02/05/2022) were **42-44°C** over most parts of Rajasthan, Madhya Pradesh, Vidarbha, Telangana; in isolated pockets of south Haryana, West Uttar Pradesh, north Madhya Maharashtra, Marathwada and **40-42°C** in many parts of Gujarat state and in isolated pockets of Delhi, northern parts of Odisha, Jharkhand, Chhattisgarh, Rayalaseema and Coastal Andhra Pradesh.
- ✓ **Chief amount of rainfall (in cm): Bihar:** Basua-9, Supaul-7, Hasanpur-6, Bhagalpur-5; **Kerala:** Neryamangala-7, Meenangadi, Ambalavayal, Kuppady-4 each; **Arunachal Pradesh:** Miao-7; **Assam:** Lakhimpur-6, B P ghat-5; **Tripura:** South Tripura-5; **Jammu & Kashmir:** Udhampur-5, **Gangetic west Bengal:** Rampurhat-5, Sri Niketan-4, **Jharkhand:** Jarmindi-5; **Coastal Andhra Pradesh:** Ranastalam-5, Vizianagaram, Cheepurupalle-4 each.

Maximum Temperature forecast and Heat Wave warning:

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

Heat wave conditions:

- **Heat Wave conditions** in isolated pockets over north Madhya Maharashtra during 04th to 06th; over West Rajasthan on 06th & 07th May and over East Rajasthan on 07th May.

Rainfall/thunderstorm Forecast & Warnings:

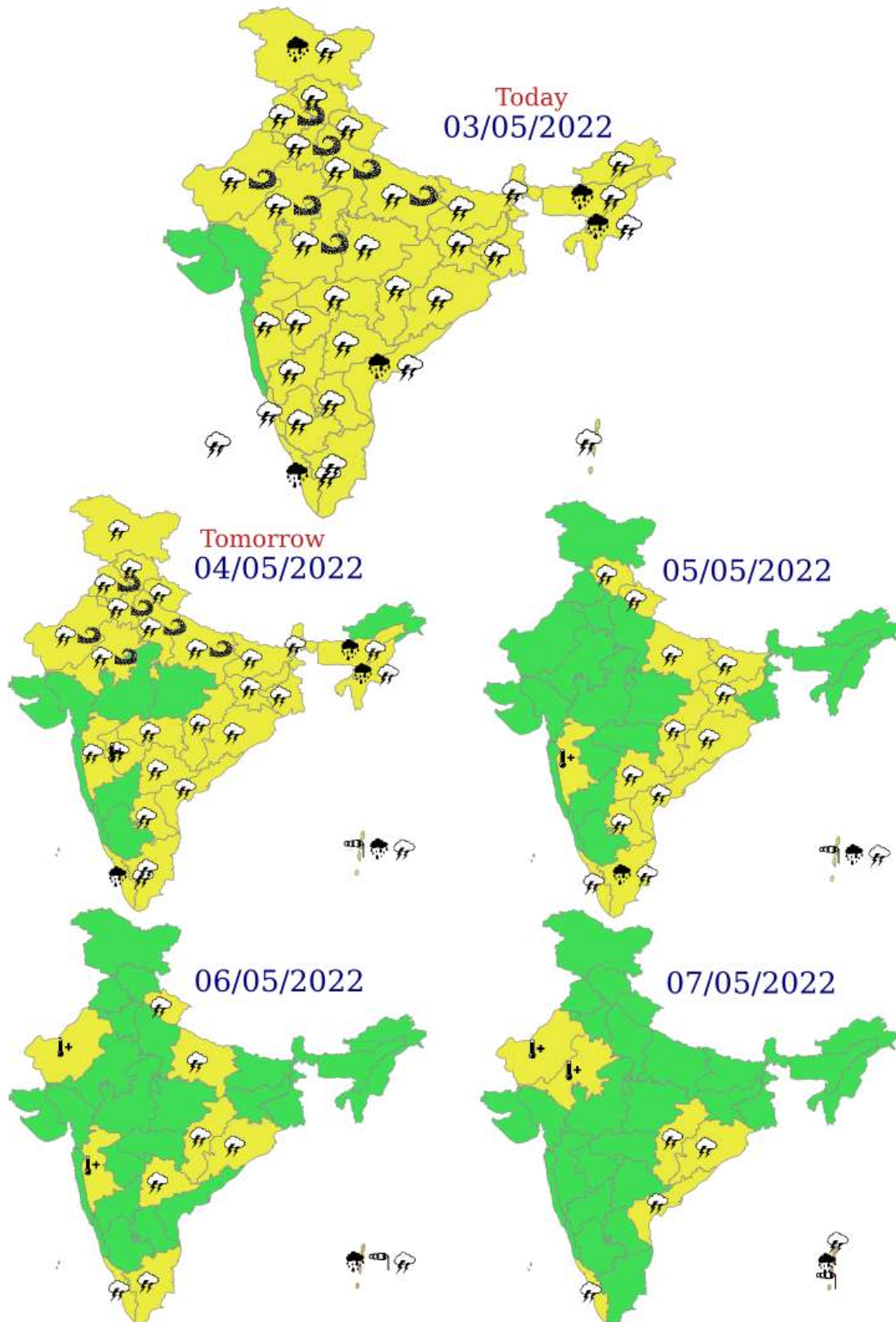
- ✓ Under the influence of southwesterly winds from Bay of Bengal over east & northeast India in lower tropospheric levels:
 - ❖ Fairly widespread/widespread light/moderate rainfall very likely over Northeast India & West Bengal-Sikkim during next 5 days with isolated **thunderstorm/lightning/gusty winds (speed reaching 40-50 kmph)** over the region during next 2 days.
 - ❖ **Isolated heavy rainfall** very likely over Assam-Meghalaya & Nagaland-Manipur-Mizoram-Tripura on 03rd & 04th May. Isolated **very heavy rainfall** also likely over Tripura on 03rd May.
 - ❖ Isolated to scattered light/moderate rainfall with **thunderstorm/lightning/gusty winds (speed reaching 40-50 kmph)** very likely over Bihar, Jharkhand and Odisha during next 3-4 days.
- ✓ Under the influence of a **Western Disturbance** as a trough in mid & upper tropospheric westerlies along Long.63°E & to the north of Lat.22°N:
 - ❖ Scattered to fairly widespread rainfall with isolated **thunderstorm/lightning/gusty winds (speed reaching 40-50 kmph)** very likely over Western Himalayan Region during 03rd-05th May. Isolated **hailstorm** likely over Jammu-Kashmir, Himachal Pradesh & Uttarakhand during 03rd-04th May, 2022. Isolated **heavy rainfall** also likely over Jammu-Kashmir today.
 - ❖ Isolated light rainfall with **Duststorm/thunderstorm/lightning/gusty winds (speed reaching 40-50 kmph)** very likely over Punjab, Haryana, Uttar Pradesh and Rajasthan during next 2 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 03rd & 04th May; over Tamilnadu-Puducherry-Karaikal on 05th May and over coastal Andhra Pradesh on 03rd May.
- ✓ 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 Nicobar Islands on 04th & 05th and isolated **heavy to very heavy rainfall** over Andaman Islands on 06th & 07th May.

Fishermen Warning:

- ❖ **04th May: Squally wind (speed reaching 40-50 kmph gusting to 60 kmph)** very likely to prevail over South Andaman Sea & adjoining Southeast Bay of Bengal.
- ❖ **05th May: Squally wind (speed reaching 45-55 kmph gusting to 65 kmph)** very likely to prevail over South Andaman Sea & adjoining Southeast Bay of Bengal.
- ❖ **06th May: Squally wind (speed reaching 50-60 kmph gusting to 70 kmph)** likely to prevail over Andaman Sea & adjoining Southeast and Eastcentral Bay of Bengal.
- ❖ **07th May: Squally wind (speed reaching 60-70 kmph gusting to 80 kmph)** likely to prevail over Eastcentral Bay of Bengal & adjoining north Andaman Sea.

For more details refer:

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



EXPECTED IMPACT & ACTION SUGGESTED due to **thundersquall** over Assam-Meghalaya, Nagaland-Manipur-Mizoram-Tripura and Uttarakhand.

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