



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release
Date: 24th May, 2022
Time of Issue: 1245 hrs IST

Subject: (I) Wet spell over Northwest India today and over East India during next 2 days.

(II) Conditions are favourable for further advance of Southwest Monsoon over some parts of Southwest Arabian Sea, some more parts of Southeast Arabian Sea, Maldives & Comorin area, South & Eastcentral Bay of Bengal and some parts of Northeast Bay of Bengal during next 48 hours.

Weather observed during past 24 hours ending at 0830 hrs IST of today:

- Isolated **heavy to very heavy rainfall** occurred over Andaman & Nicobar Islands and Kerala & Mahe and **heavy rainfall** over Uttar Pradesh.
- **Chief amount of rainfall (in cm):** **Andaman & Nicobar Islands:** Long Island-15, Mayabunder-7; **Kerala:** Ernakulam: Kochi-14, Ernakulam-11, Alappuzha: Chertahal-7, Thiruvananthapuram: Trivandrum-8; **West Uttar Pradesh:** Bareilly: Baher-10; **East Uttar Pradesh:** Sitapur: Laharpur-9, **Haryana:** Hissar, Nuh, Jind, Guragaon, Fatehabad-4 each, Bhiwani, Rewari, Jhajjar, Kurukshetra-3 each; **Punjab:** Bhatinda, Ludhiana, Pathankot, Patiala-3 each; **Himachal Pradesh:** Mandi-4, Kangra, Chamba-3 each; **Rajasthan:** Banswara, Bundi, Sikar-4, Churu, Suratgarh, Ajmer, Alwar, Jaipur, Tonk-3 each.
- **Hailstorm** reported at isolated places over Jammu & Kashmir, Punjab, Rajasthan and Jharkhand.
- **Thundersquall** reported at isolated places over Haryana, Chandigarh & Delhi, East Rajasthan, Chhattisgarh, Jharkhand and Odisha.

Rainfall/thunderstorm Forecast & Warnings:

- A Western Disturbance as a cyclonic circulation lies over Jammu & neighbourhood extending upto middle tropospheric levels. An induced cyclonic circulation lies over southwest Rajasthan & neighbourhood and a trough runs from this cyclonic circulation to northeast Arabian Sea in lower tropospheric levels.
- A cyclonic circulation lies over north Jharkhand & neighbourhood Sea in lower tropospheric levels with a trough Sea in middle tropospheric levels along Long. 86°E & to the north of Lat. 23°N. Under the influence of these systems:
 - ✓ Fairly widespread to widespread light/moderate rainfall with isolated **thunderstorm/lightning/gusty winds** very likely over Jammu & Kashmir, Himachal Pradesh and Uttarakhand; isolated rainfall activity over Punjab, Haryana, Uttar Pradesh, Rajasthan, north Madhya Pradesh today and reduction from tomorrow, the 25th May, 2022.
 - ✓ **Duststorm** activity at isolated places very likely over West Rajasthan today.
 - ✓ Scattered to fairly widespread light/moderate rainfall with isolated **thunderstorm/lightning/gusty winds** very likely over Bihar, Jharkhand, Odisha and West Bengal & Sikkim during next 3 days and over Northeast India during next 5 days.

- ✓ Isolated **Thundersquall (50-60 kmph/hail)** is very likely over Uttarakhand, Jharkhand, Gangetic West Bengal and Odisha today.
- ✓ **Isolated heavy rainfall** also likely over Odisha on today, the 24th May and over Assam-Meghalaya on 27th & 28th May, 2022.
- Fairly widespread to widespread light/moderate rainfall/**thunderstorm/lightning with heavy rainfall** very likely over Kerala & Mahe during next 5 days.
- **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) very likely over north Andaman Sea and adjoining east central Bay of Bengal, Gulf of Mannar and southwest Bay of Bengal. **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) over southeast Arabian Sea along & off south Kerala coast & Lakshadweep area on 24th & 25th May.
- **Strong winds** of 40-50 kmph gusting to 60 kmph likely over northeast Arabian Sea along and off north Gujarat coast on 24th May.

Advancement of Southwest Monsoon:

Conditions are favourable for further advance of Southwest Monsoon over some parts of Southwest Arabian Sea, some more parts of Southeast Arabian Sea, Maldives & Comorin area, South & Eastcentral Bay of Bengal and some parts of Northeast Bay of Bengal during next 48 hours.

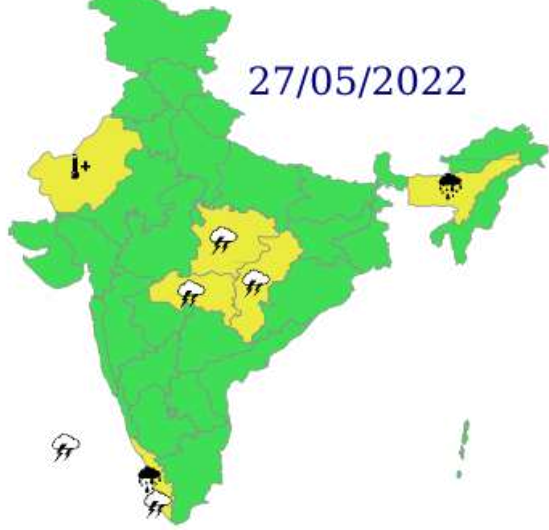
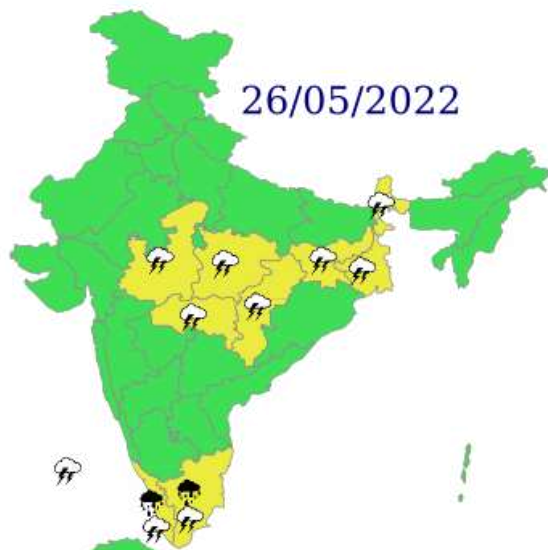
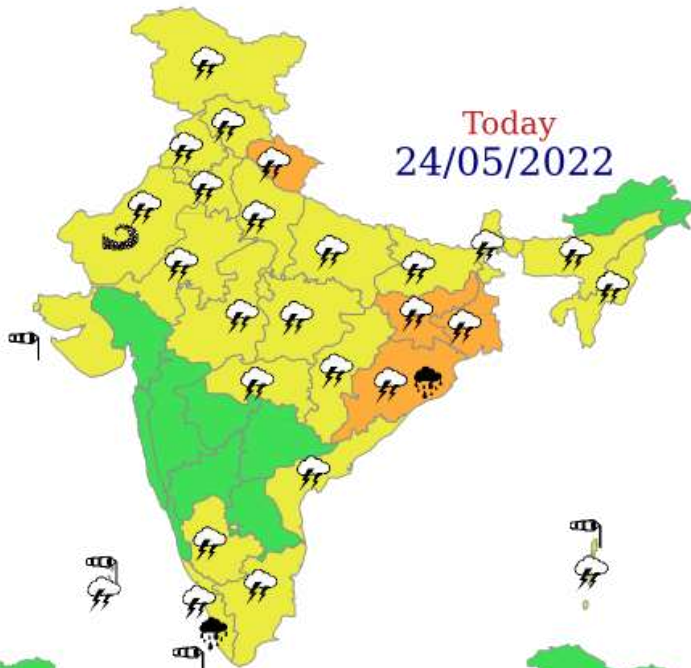
Maximum Temperature forecast and Heat Wave Warnings:

- ✓ No significant change in maximum temperatures over most parts of Northwest & Central India today and rise by 3-5°C over northwest India & by 2-4°C over central India thereafter.
- ✓ No significant change in maximum temperatures very likely over rest parts of the country during next 5 days.

Heat wave warnings:

- ✓ No heat wave condition is likely to develop over any parts of the country during next 5 days except over West Rajasthan, where isolated heat wave conditions are likely on 27th & 28th May, 2022.

For more details refer: https://mausam.imd.gov.in/imd_latest/contents/subdivisionwise-warning.php



EXPECTED IMPACT & ACTION SUGGESTED due to Thundersquall with lightning/hail over Uttarakhand, Jharkhand, Odisha and Gangetic West Bengal on 24th May, 2022.

Impact expected:

- Strong wind/hail may damage plantation, horticulture and standing crops.
- Hail may injure people and cattle at open places.
- Partial damage to vulnerable structures due to strong winds.
- Minor damage to kutcha houses/walls and huts.
- Loose objects may fly.

Action suggested:

- Stay indoors, close windows & doors and avoid travel if possible.
- Take safe shelters; do not take shelter under trees.
- Do not lie on concrete floors and do not lean against concrete walls.
- Unplug electrical/ electronic appliances.
- Immediately get out of water bodies.
- Keep away from all the objects that conduct electricity.
- Farming operations may be suspended during the event.

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