



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release
Date: 23rd May, 2022
Time of Issue: 1330 hrs IST

Subject: Wet spell over Northwest and Madhya Pradesh on 23rd May and decrease in intensity & distribution thereafter.

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

- Isolated **heavy rainfall** occurred over Haryana and Coastal Karnataka.
- **Chief amount of rainfall (in cm): Haryana:** Faridabad-9, Gurgaon, Jhajjar-7 each, Kurukshetra, Kaithal, Karnal-4 each, Yamunanagar, Sirsa, Hissar-3 each, Rohtak. Jind, Fatehabad-2 each, **Delhi:** Ayanagar, Dhansa, Jafarpur-5 each, Pusa, Green field, Najafgarh-3 each, **Punjab:** Kapurthala, Ludhiana, Patiala, Sangrur-3 each, **Himachal Pradesh:** Solan, Shimla, Bilaspur, Sirmaur-3 each, Mandi, Kullu-2 each, **Uttarakhand:** Mussoorie, Berinag-4 each, Gairsain, Hardwar, Roshnabad-3, Kashipur, Dehradun-2 each, **Coastal Karnataka:** Mangluru-7; **Lakshadweep:** Amini-6, **Kerala:** Malappuram-6.
- **Thundersquall** reported at isolated places over Punjab, Haryana, Chandigarh & Delhi and Uttar Pradesh.

Rainfall/thunderstorm Forecast & Warnings:

- A Western Disturbance as a cyclonic circulation lies over north Pakistan extending upto middle tropospheric levels. An induced Low Pressure Area lies over northwest Rajasthan and an east-west trough runs from this induced Low Pressure Area to north Bangladesh in lower tropospheric levels. 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; scattered to fairly widespread rainfall activity over Punjab, Haryana, Uttar Pradesh and isolated to scattered rainfall activity over Rajasthan, north Madhya Pradesh during 23rd-24th with peak rainfall intensity on 23rd May and gradual reduction from tomorrow, the 24th May, 2022.
 - ✓ Isolated **Thundersquall (50-60 kmph)** activity also very likely over Uttarakhand, Punjab, Haryana-Chandigarh-Delhi, Uttar Pradesh and East Rajasthan today.
 - ✓ **Isolated hailstorm** also likely over Himachal Pradesh & Uttarakhand on 23rd & 24th; over Punjab, northwest Madhya Pradesh on 23rd May, 2022. **Isolated heavy rainfall** also likely over Jammu & Kashmir, Himachal Pradesh and Uttarakhand today.
 - ✓ **Duststorm** activity at isolated places very likely over Rajasthan today.
 - ✓ Scattered to fairly widespread light/moderate rainfall with isolated **thunderstorm/lightning/gusty winds** likely over Bihar, Jharkhand, Gangetic West Bengal and Odisha during next 2 days and reduce thereafter to isolated light rainfall over the region.
 - ✓ **Isolated heavy rainfall** also likely over Odisha on 24th May, 2022.

- ✓ Scattered to fairly widespread light/moderate rainfall very likely over Assam-Meghalaya and Nagaland, Manipur, Mizoram & Tripura, Sub-Himalayan West Bengal & Sikkim and isolated to scattered rainfall over Arunachal Pradesh during next 5 days.
- Scattered to fairly widespread rainfall with **thundersquall/lightning/gusty winds** very likely over Andaman & Nicobar Islands during next 3 days and isolated **heavy rainfall** is also likely on 23rd May.
- **Squally weather** with wind speed reaching 40-50 kmph gusting to 60 kmph likely over Eastcentral Bay of Bengal & adjoining north Andaman Sea and southwest Bay of Bengal along & off Sri Lanka coast during next 2 days.
- **Strong winds** of 40-50 kmph gusting to 60 kmph likely over northeast Arabian Sea along and off north Gujarat coast, south west Arabian Sea, northwest Arabian Sea during next 2 days.

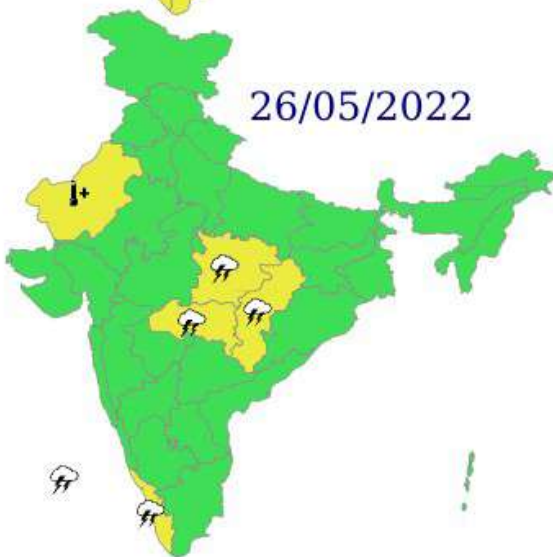
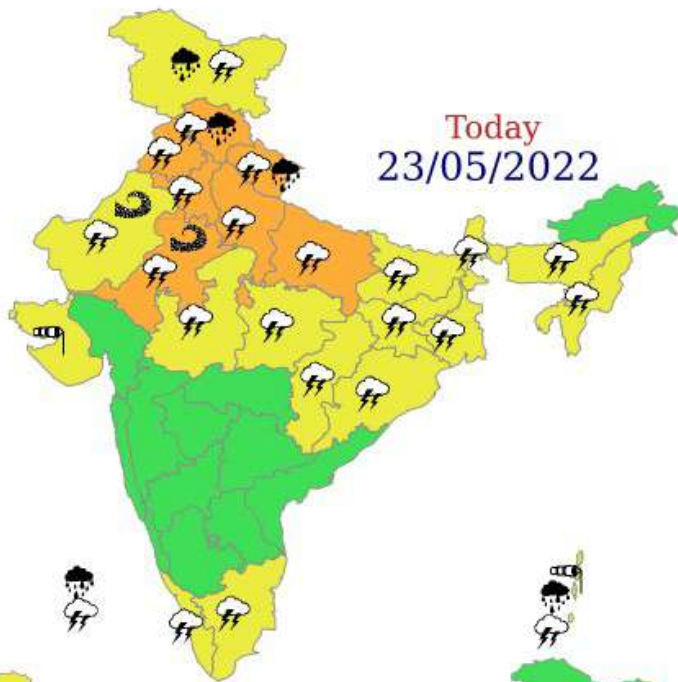
Maximum Temperature forecast and Heat Wave Warnings:

- ✓ No significant change in maximum temperatures over most parts of Northwest & Central India during next 2 days and rise by 2-4°C 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 26th & 27th May.

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, Himachal Pradesh, Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh and East Rajasthan on 23rd 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)



Probabilistic Forecast	
Terms	Probability of Occurrence (%)
Unlikely	< 25
Likely	25 - 50
Very Likely	50 - 75
Most Likely	> 75

