



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release
Date: 17th April, 2022
Time of Issue: 1300 hrs IST

Subject:

- i) Heat wave spell in isolated pockets likely over Northwest & Central India during 17th-19th April, 2022.
- ii) Reduction in rainfall intensity over South Peninsular India from 18th April, 2022.
- iii) Heavy rainfall spell likely to continue over Arunachal Pradesh on 17th and over Assam-Meghalaya on 17th, 19th, 20th & 21st April, 2022.

Weather observed during past 24 hours:

- ✓ **Heat wave conditions** prevailed in isolated pockets of northwest Rajasthan, Bihar, Jharkhand and Gangetic West Bengal.
- ✓ **Maximum Temperatures** (as on 16/04/2022) were **42-44°C** in most parts over West Rajasthan, Vidarbha; in some parts over Madhya Pradesh, East Uttar Pradesh; in isolated pockets over Gujarat state, Jharkhand, Gangetic West Bengal, interior Odisha and **40-42°C** in many parts of East Rajasthan, Bihar, Marathwada and in isolated pockets over Haryana-Delhi.
- ✓ The maximum temperatures departure were **above normal by 3-5°C** in many parts over Jammu Division, Punjab, West Rajasthan, Bihar, Jharkhand; in some parts over East Uttar Pradesh, Gangetic West Bengal and in isolated pockets over Haryana-Delhi, Madhya Pradesh, East Rajasthan and Saurashtra-Kutch.
- ✓ **Chief amount of rainfall (in cm): Assam-Meghalaya:** Haflong-18, Mawsynram-9, Khliehriat-7; **Arunachal Pradesh:** Yingkiong-10, Tuting-6; **Tamilnadu:** Pudukkottai: Manamelkudi-10, Thanjavur: Peravurani-6, Cuddalore: K. M Koil-6, Krishnagiri: Penucondapuram-6; **Odisha:** Jagannath Prasad (Ganjam)-6; **North Interior Karnataka:** Haveri: Hirekerur-8, Hassan-7; **South Interior Karnataka:** Bangalore-6.

Maximum Temperature forecast and Heat Wave warning:

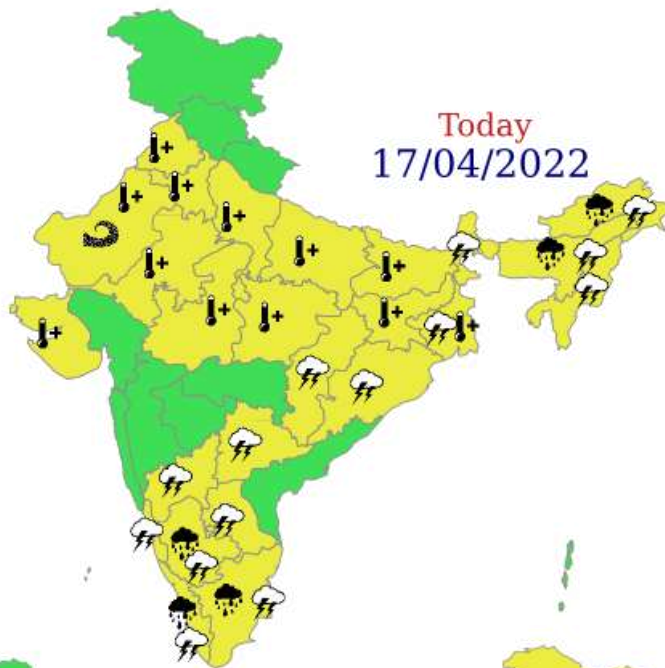
- ✓ Rise by 2-3°C in maximum temperatures very likely over Northwest India during next 3 days and fall by 2-3°C thereafter.
- ✓ No significant change in maximum temperatures very likely over East India during next 3 days and fall by 2-3°C thereafter.
- ✓ No significant change in maximum temperatures very likely over rest parts of the country.
- ✓ **Heat wave conditions** in isolated pockets very likely to prevail over Punjab, Haryana-Delhi, south Uttar Pradesh, Rajasthan, Bihar, Gangetic West Bengal and Jharkhand during 17th-19th; over Madhya Pradesh during 17th-20th and over Vidarbha during 18th-20th April, 2022.

Rainfall/thunderstorm Forecast & Warnings:

- ✓ Under the influence of trough/wind discontinuity from Vidarbha to North Interior Karnataka and a cyclonic circulation over Westcentral & adjoining Southwest Bay of Bengal off south Andhra Pradesh-north Tamil Nadu coasts in lower tropospheric levels:
 - ❖ Scattered to fairly widespread rainfall accompanied with **thunderstorm/lightning/gusty winds** very likely over Kerala-Mahe & Karnataka during next 5 days and isolated to scattered rainfall accompanied with **thunderstorm/lightning/gusty winds** over Tamilnadu-Puducherry-Karaikal, Andhra Pradesh and Telangana during next 5 days.
 - ❖ Isolated **very heavy rainfall** very likely over Tamil Nadu-Puducherry-Karaikal and South Interior Karnataka on 17th and heavy rainfall on 18th and **heavy rainfall** over Kerala-Mahe on 17th April, 2022.
- ✓ Under the influence of strong southwesterly winds from Bay of Bengal to northeastern States at lower tropospheric levels:
 - ❖ Fairly widespread/widespread rainfall accompanied with **thunderstorm/lightning/gusty winds** very likely over Arunachal Pradesh, Assam-Meghalaya and Nagaland-Manipur-Mizoram-Tripura during next 5 days.
 - ❖ **Isolated heavy rainfall** likely over Arunachal Pradesh on 17th April and over & Assam-Meghalaya on 17th, 19th, 20th & 21st April, 2022.
- ✓ Under the influence of fresh Western Disturbance from the night of 18th April; light fairly widespread to widespread rainfall accompanied with isolated **thunderstorm/lightning** very likely over Jammu, Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad; isolated to scattered rainfall over Himachal Pradesh & Uttarakhand during 19th-21st and light isolated rainfall over Punjab & north Rajasthan on 19th & 20th and over Haryana, Chandigarh & Delhi, West Uttar Pradesh on 20th & 21st April, 2022.
- ✓ **Duststorm** at isolated places very likely over West Rajasthan during 17th-20th and over East Rajasthan on 19th & 20th April, 2022.

For more details refer:

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



Impact expected and action suggested due to heat wave conditions in isolated pockets of Northwest & Central India during 17th-19th April, 2022.

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