



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

**Press Release
Date: 15th May, 2023
Time of Issue: 1300 hours IST**

**Subject: (i) Heat Wave conditions along east coast during next 2-3 days.
(ii) Heavy rainfall spell over Northeastern states during next 5 days.**

Weather observed during past 24 hours ending at 0830 hrs IST of today: (Refer Annexure I)

Significant Meteorological features:

- ❖ Yesterday's **Extremely Severe Cyclonic Storm "Mocha"** crossed north Myanmar-Southeast Bangladesh coasts between *Kyaukpyu (Myanmar) and Cox's Bazar (Bangladesh) close to North of Sittwe (Myanmar)* near latitude 20.25°N and longitude 92.75°E, as an **Extremely Severe Cyclonic Storm** with wind speed 180-190 kmph gusting to 210 kmph during 1230 hrs IST to 1430 hrs IST of 14th May. It weakened into a **very Severe Cyclonic Storm** over Myanmar at 1730 hrs IST of 14th May; into a **Severe Cyclonic Storm** at 2030 hrs IST over Myanmar. It further weakened into a **Cyclonic Storm** over Myanmar at 0230 hrs IST of today, the 15th May; into a **Depression** over Myanmar at 0530 hrs IST and into a **Well Marked Low Pressure Area** over northeast Myanmar today, the 15th May, 2023. It is likely to weaken into a Low Pressure Area during next few hours.
- ❖ The cyclone moved and made landfall over Myanmar coast as per the prediction issued since 09th May, 2023.

Forecast and warning over the country during next 5 days:

Northeast India:

- ❖ Light/moderate widespread rainfall very likely over Northeast India during next 05 days.
- ❖ **Heavy rainfall** very likely at isolated places over Arunachal Pradesh on 15th & 16th; over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 15th to 19th May.
- ❖ Isolated **very heavy falls** also likely over Assam & Meghalaya on 16th, 18th & 19th May, 2023.

Northwest India:

- ❖ **Duststorm** very likely in isolated pockets over Rajasthan during 15th-18th and over Punjab, Haryana on 15th May, 2023.

No significant weather likely over rest parts of the country.

Observed Maximum Temperatures and Heat Wave conditions:

- ❖ Yesterday, Maximum Temperatures were in the range of 40-44°C over most parts of Northwest, Central & adjoining East India and north Peninsular India.
- ❖ Maximum Temperatures were above normal by 2-4°C over parts of coastal Odisha, coastal West Bengal, Coastal Andhra Pradesh and Vidarbha and normal over rest parts of the country.
- ❖ Yesterday, **Heat wave conditions** prevailed in isolated pockets over Vidarbha.

Maximum Temperatures, its Forecast and Heat Wave Warnings (Graphics in Annexure II):

- ❖ Maximum temperatures are very likely to rise by 2-3°C over many parts of Maharashtra from 17th May and no significant change over rest parts of India.
- ❖ **Heat wave conditions** in isolated pockets is very likely over Vidarbha on 15th; Odisha during 15th to 17th and Gangetic West Bengal on 16th and over Coastal Andhra Pradesh on 15th & 16th May.

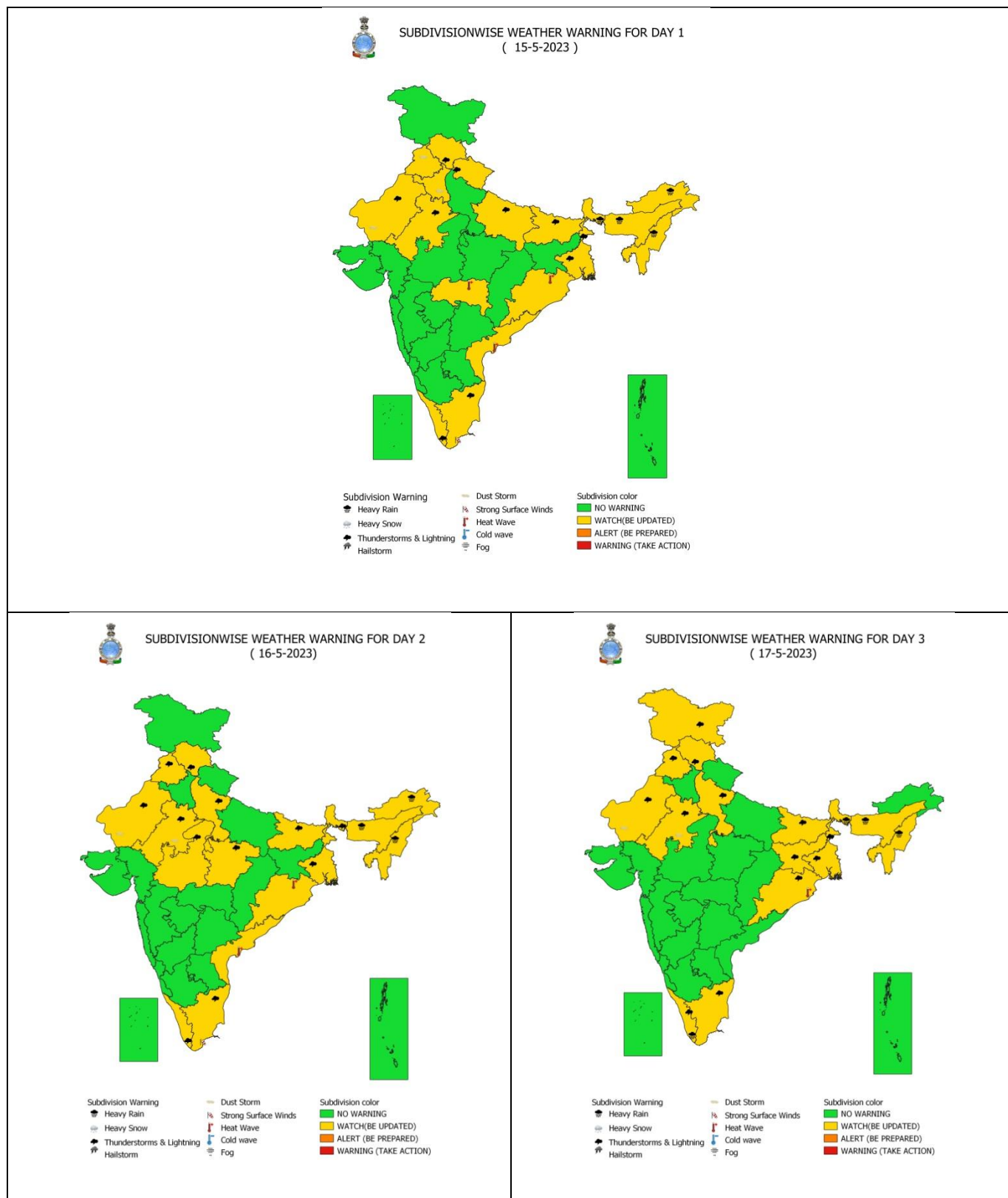
For more details kindly refer:

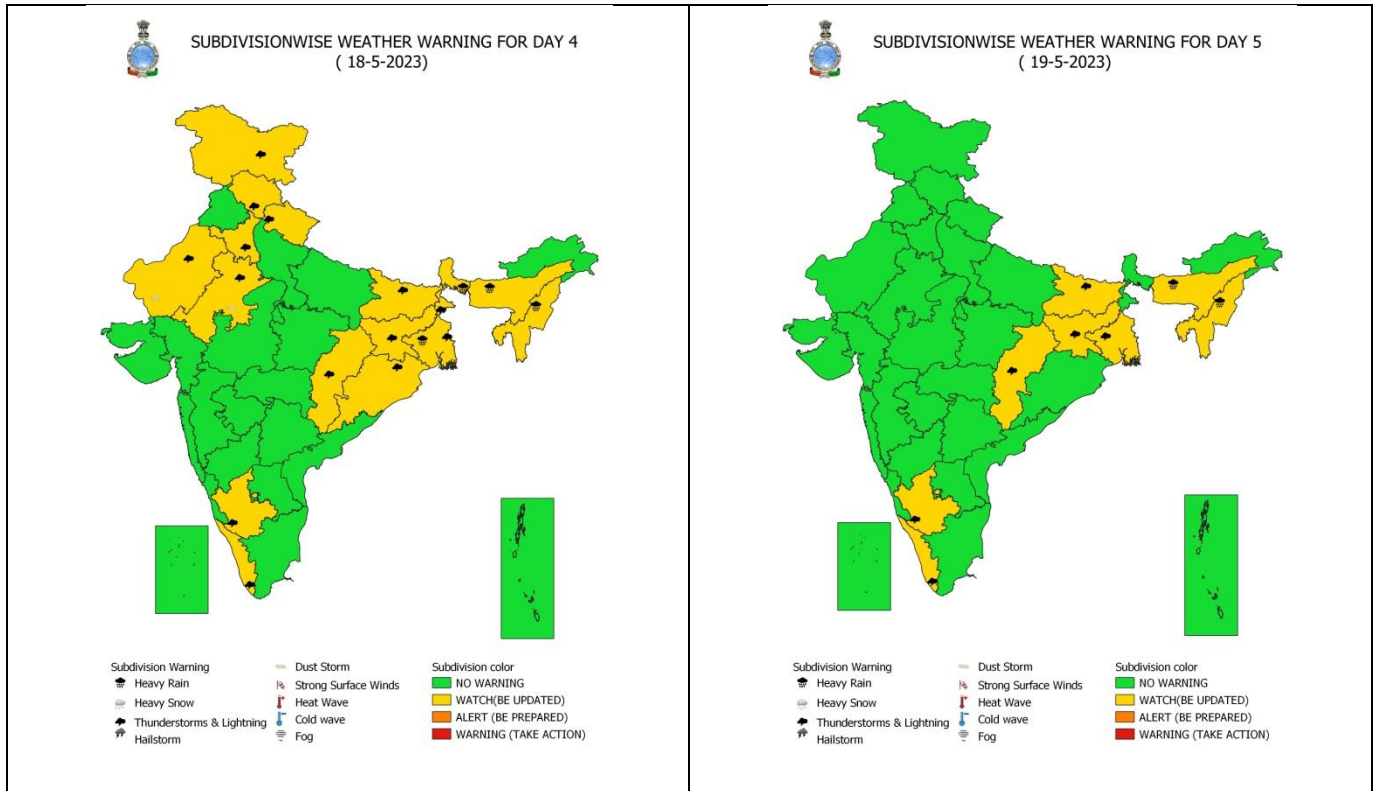
https://mausam.imd.gov.in/responsive/all_india_forcast_bulletin.php

<https://mausam.imd.gov.in/responsive/districtWiseNowcast.php>

Observations: (from 0830 hours IST of yesterday to 0830 hours IST of today):

- **Rainfall/thundershowers observed at many places** over Nagaland, Manipur, Mizoram & Tripura; at a few places over Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Sub-Himalayan West Bengal & Sikkim, West Rajasthan and **at isolated places** over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, Haryana, Chandigarh & Delhi, West Uttar Pradesh, East Rajasthan, Bihar, East Madhya Pradesh, Coastal Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala.
- **Significant rainfall recorded** (in cm): **Nagaland, Manipur, Mizoram & Tripura:** Zunheboto (dist Zunheboto) 4, Senapati (dist Senapati) 4, Phek (dist Phek) 3, Ukhrul (dist Ukhrul) 3, Wokha Sadar (dist Wokha) 3, Kiphire (dist Kiphire) 3, Tuensang (dist Tuensang) 3, Lamphet (dist Imphal West) 3, Bishnupur (dist Bishnupur) 3, Thoubal (dist Thoubal) 2, Imphal (dist Imphal East) 2, Churachandpur (dist Churachandpur) 2, Serchip(dist Serchhip) 2, Saiha(dist Saiha) 2, Kohima(dist Kohima) 2, Champai(dist Champhai) 2; **Assam:** Silchar (dist Cachar) 2, **Tamil Nadu:** Kilacheruvai (dist Cuddalore) 4, Agaram; **Kerala:** Enamakkal (Thrissur district) 3 and NAS Kochi (Ernakulam district) & Thrithala (Palakkad district) 2 each.
- **Hailstorm and Duststorm/thunderstorm** observed at isolated places over Rajasthan.
- **Maximum sustained wind speed 50-60 kmph gusting to 70 kmph** prevailed over Mizoram and south Manipur in association with Extremely Severe Cyclonic Storm "Mocha".





IMPACT & ACTION SUGGESTED due to Heat Wave:

❖ Yellow alert Areas:

- (1) Moderate temperature, Heat is tolerable for general public but moderate health concern for vulnerable people e.g. infants, elderly, people with chronic diseases.
- (2) Avoid heat exposure, Wear lightweight, light coloured, loose, cotton clothes, Cover your head, use a cloth, hat or umbrella.














Legends:

❖ **Heavy Rain:** 64.5 to 115.5 mm; **Very Heavy Rain:** 115.6 to 204.4 mm; **Extremely Heavy Rain:** >204.4mm.

❖ Region wise classification of meteorological Sub-Divisions:

- **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.
- **Central India:** West Madhya Pradesh, East Madhya Pradesh, Vidarbha and Chhattisgarh.
- **East India:** Bihar, Jharkhand, Sub-Himalaya West Bengal & Sikkim; Gangetic West Bengal, Odisha and Andaman & Nicobar Islands.
- **Northeast India:** Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- **West India:** Gujarat Region, Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra and Marathwada.
- **South India:** Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Coastal Karnataka, North Interior Karnataka, South Interior Karnataka, Kerala & Mahe, Tamilnadu, 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)

Subdivision Warning		Subdivision color	
	Heavy Rain		NO WARNING
	Heavy Snow		WATCH(BE UPDATED)
	Thunderstorms & Lightning		ALERT (BE PREPARED)
	Hailstorm		WARNING (TAKE ACTION)
	Dust Storm		
	Strong Surface Winds		
	Heat Wave		
	Cold wave		
	Fog		

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