



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

**Press Release
Date: 16th May, 2023
Time of Issue: 1230 hours IST**

**Subject: (i) Heat Wave conditions over coastal Andhra Pradesh during next 2 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:

- ❖ The Western Disturbance as a trough in middle & upper tropospheric westerlies runs roughly along Long. 62°E to the north of Lat. 30°N.
- ❖ A trough runs from north Bihar to central Chhattisgarh in lower tropospheric levels.

Forecast and warning over the country during next 5 days:

Northeast India:

- ❖ Light/moderate widespread rainfall very likely over Northeast India during next 5 days.
- ❖ **Heavy rainfall** very likely at isolated places over Arunachal Pradesh on 16th, 19th & 20th; over Assam & Meghalaya and Manipur, Mizoram & Tripura during 16th to 20th May.
- ❖ Isolated **very heavy falls** also likely over Assam & Meghalaya on 16th, 18th & 19th May, 2023.

Northwest India:

- ❖ **Duststorm/dust raising winds** very likely in isolated pockets over Haryana & Delhi, West Uttar Pradesh and Rajasthan during 16th-18th May, 2023.

Central India:

- ❖ **Dust Raising winds** very likely in isolated pockets over Madhya Pradesh and Vidarbha on 16th & 17th 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 40-43°C over most parts of Northwest, Central, West and north Peninsular India.
- ❖ Maximum Temperatures were above normal by 2-4°C over many parts of coastal Andhra Pradesh and in isolated parts of coastal West Bengal, Haryana, Delhi, Tamilnadu, Kerala and near normal over rest parts of the country.

- ❖ Yesterday, **Heat wave conditions** prevailed in isolated pockets over Coastal Andhra Pradesh.

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 Northwest, Central India from 18th May and no significant change over rest parts of India.
- ❖ **Heat wave to severe heat wave conditions** in isolated pockets very likely over Coastal Andhra Pradesh on 16th and heat wave conditions on 17th May.
- ❖ Due to humid air and high temperature, Hot and Discomfort weather is very likely over Odisha, coastal West Bengal, Rayalaseema, Kerala and Tamilnadu during 16th-18th and over Konkan during 18th-20th May.

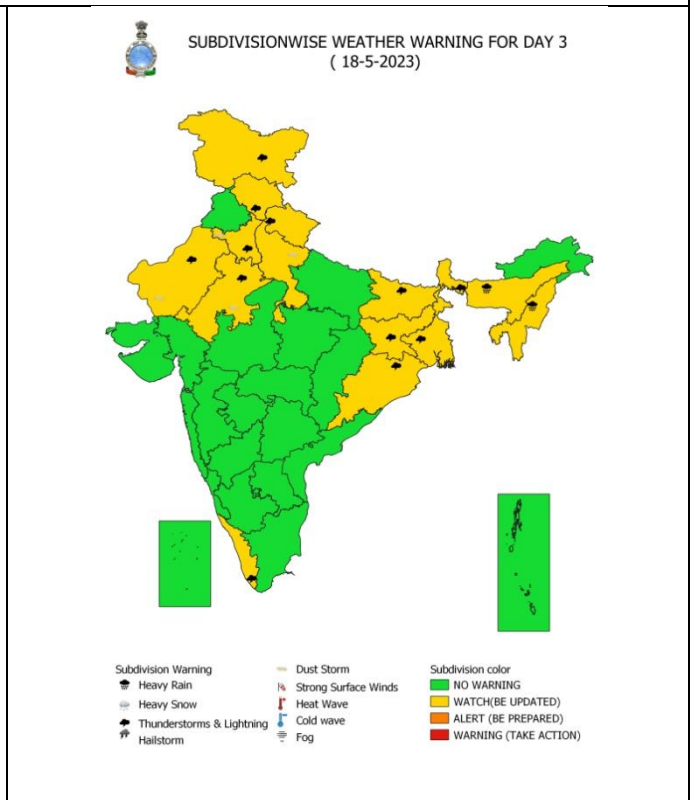
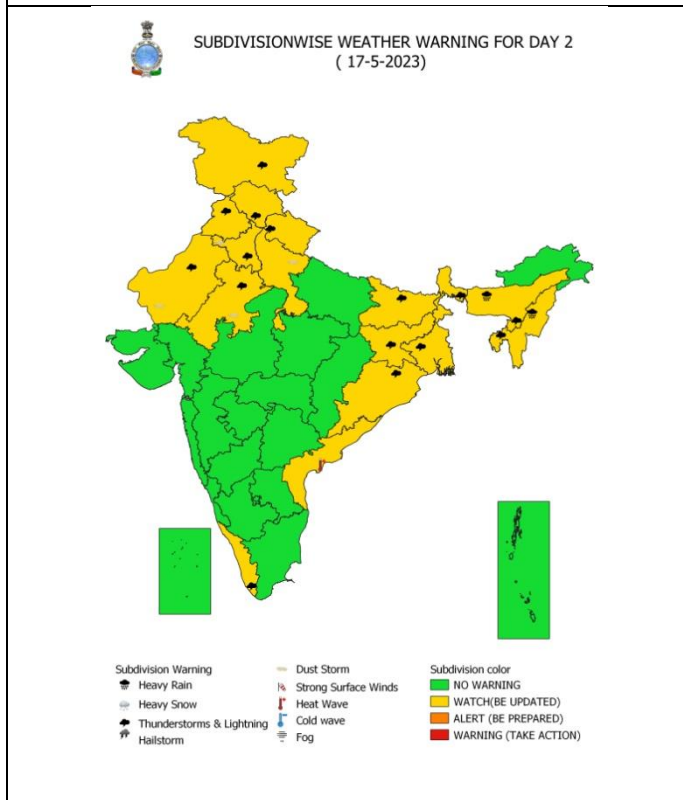
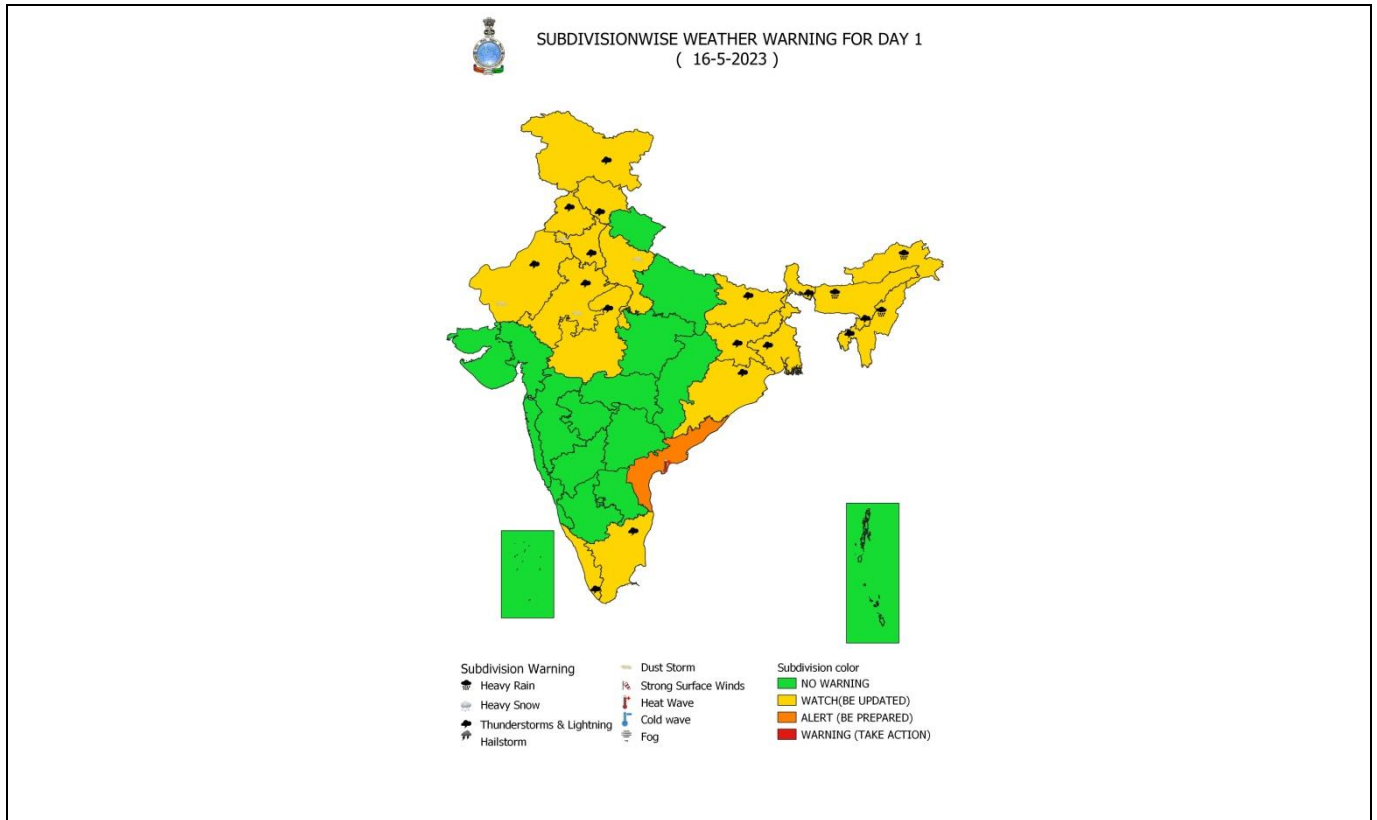
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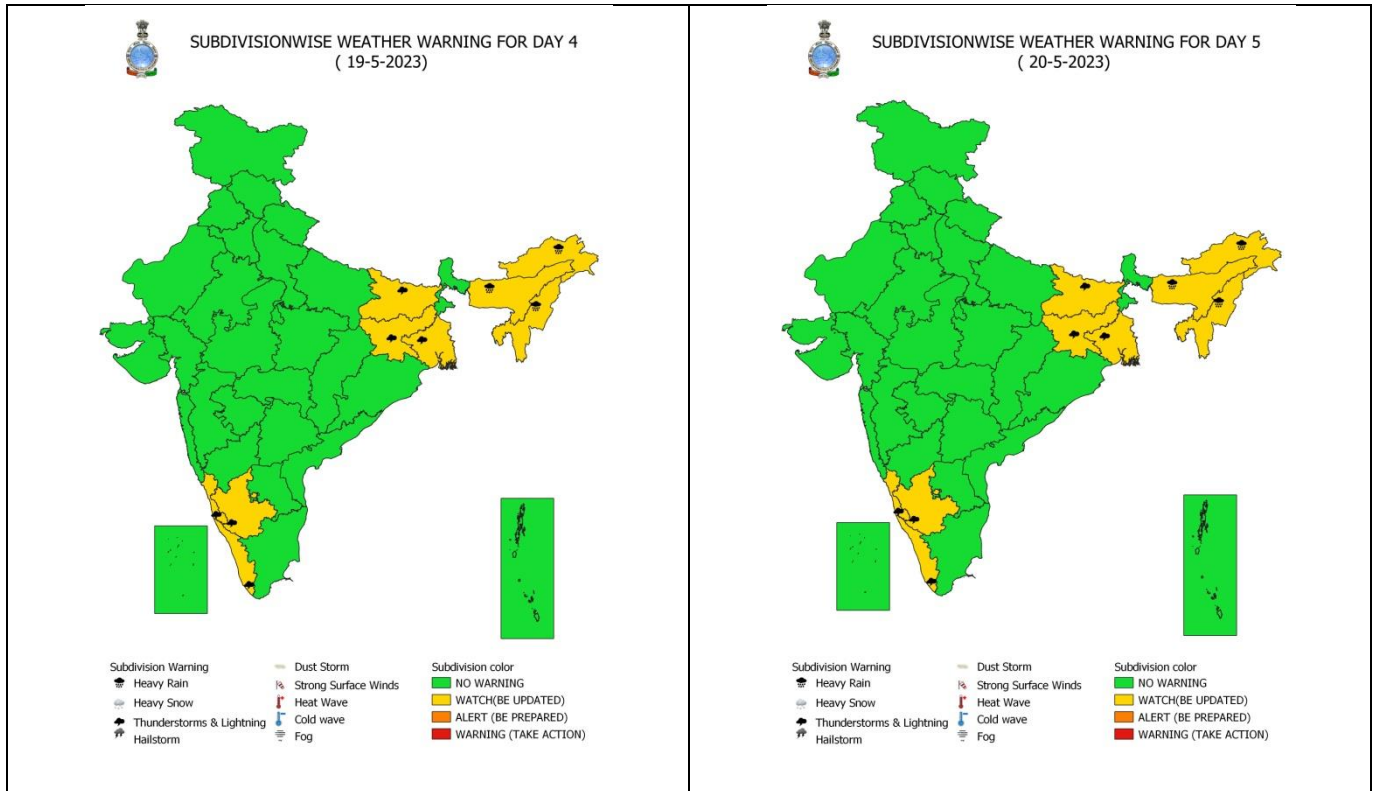
https://mausam.imd.gov.in/responsive/all_india_forcast_bulletin.php

<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 most places** over Assam & Meghalaya, Gangetic West Bengal; **at many places** over Arunachal Pradesh; **at a few places** over Nagaland, Manipur, Mizoram & Tripura, Sub-Himalayan West Bengal & Sikkim and **at isolated places** over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, Haryana, Uttar Pradesh, Rajasthan, Madhya Pradesh, Jharkhand, Odisha, Tamil Nadu, Puducherry & Karaikal and Kerala.
- **Significant rainfall recorded** (in cm): **Assam:** Resubelpara (dist North Garo Hills) 5, Numaligarh (dist Golaghat) 5, Cherrapunji (dist East Khasi Hills) 5, Majuli (dist Jorhat) 5, Drf (dist Baksa) 5, Goibargaon (dist Baksa) 4, B P Ghat (dist Karimganj) 4, Neamatighat (dist Jorhat) 4, Melabazar/matunga (dist Nalbari) 4, Hazuah (dist Barpeta) 4, Khliehriat (dist East Jaintia Hills) 4, Sivasagar (dist Sibsagar) 4, Cherrapunji(rkm) (dist East Khasi Hills) 4, A P Ghat (dist Cachar) 4, Golaghat_pto (dist Golaghat) 4; **Nagaland, Manipur, Mizoram & Tripura:** Saiha_ Aws (dist Saiha) 4, Jiribam_ Aws (dist Imphal East) 3, Mangkolemba (dist Mokokchung) 3, Thoubal (dist Thoubal) 3, Mon Sadar Nsdma_aws (dist Mon) 3; **Arunachal Pradesh:** Bhalukpong (dist West Kameng) 2, Miao (dist Changlang) 2, Tezu (dist Lohit) 2, Roing (dist Lower Dibang Valley) 2, **West Bengal & Sikkim:** West Midnapore, East Sikkim-2 each, **Jharkhand:** Singbhum-2.
- **Duststorm/thunderstorm** observed at isolated places over Haryana, Delhi, West Uttar Pradesh and Rajasthan.
- **Squally wind speed 60-70 kmph gusting to 80 kmph** prevailed over Gangetic West Bengal.





IMPACT & ACTION SUGGESTED due to Heat Wave:

❖ Orange alert Areas:

- (1) High temperature, Increased likelihood of heat illness symptoms in people who are either exposed to sun for a prolonged period or doing heavy work. High health concern for vulnerable people e.g. infants, elderly, people with chronic diseases.
- (2) Drink sufficient water- even if not thirsty, Use ORS, homemade drinks like lassi, torani (rice water), lemon water, buttermilk, etc. to keep yourself hydrated.














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

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