



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

**Press Release
Date: 23rd April, 2023
Time of Issue: 1330 hours IST**

**Subject: (i) Wet spell over Eastcentral, Northeast India and South Peninsular India during the next 4-5 days.
(ii) No Heat wave conditions over most parts of India during the next 5 days.**

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

Significant Meteorological features:

- ❖ A Western Disturbance as a cyclonic circulation lies over Punjab & neighbourhood in middle levels.
- ❖ A cyclonic circulation lies over central Madhya Pradesh in lower levels.
- ❖ A trough/wind discontinuity runs from south Chhattisgarh to south Tamil Nadu at lower levels and another trough runs from Sub-Himalayan West Bengal & Sikkim to Chhattisgarh at middle levels.
- ❖ A trough runs roughly along Long. 90°E to the north of Lat. 20°N in lower levels.

Maximum Temperatures and Heat Wave observed:

- ❖ Yesterday, Maximum Temperatures were in the range of 36-39°C over some/many parts of Northwest, Central & East India, Gujarat, Andhra Pradesh & Yanam, interior parts of Maharashtra, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe; 30-35°C many parts of rest of the country except over Western Himalayan Region (15-25°C).
- ❖ Maximum Temperatures were normal or below normal over most parts of the country except over Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe where these are above normal by 2-3°C.
- ❖ Yesterday, no heat wave conditions observed over the country.

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

- ❖ West & East India: No significant change in maximum temperatures during next 3 days and rise by 2-3°C during the subsequent 2 days.
- ❖ Northwest India: No significant change in maximum temperatures during next 2 days and rise by 2-4°C during the subsequent 3 days.
- ❖ No significant change in maximum temperatures over rest parts of India during the next 2-3 days.
- ❖ **No Heat wave conditions over most parts of India during the next 5 days.**
- ❖ Due to humid air and high temperature, hot and discomfort weather very likely over Kerala on 23rd April.

Rainfall Forecast and Warnings (Graphics in Annexure II):

East India:

- ❖ Light/moderate scattered to fairly widespread **rainfall** with thunderstorm/lightning/gusty winds very likely over the region during next 4-5 days and gradual reduction thereafter.
- ❖ **Hailstorm** very likely at isolated places over Sub-Himalayan West Bengal & Sikkim on 23rd & 25th April; over Odisha during 23rd-24th April and over Bihar on 24th April.
- ❖ **Heavy rainfall** very likely at isolated places over Odisha on 23th April.

Northeast India:

- ❖ Light/moderate scattered to fairly widespread rainfall with thunderstorm/lightning/gusty winds very likely over the region during next 2 days and gradual reduction thereafter.
- ❖ **Heavy rainfall** very likely at isolated places over Assam & Meghalaya on 23rd April.

Central India:

- ❖ Light/moderate isolated to scattered rainfall with thunderstorm/lightning/gusty winds very likely over East Madhya Pradesh, Vidarbha and Chhattisgarh during next 5 days and gradual reduction thereafter.
- ❖ **Hailstorm** very likely at isolated places over Chhattisgarh during 23rd-24th and Vidarbha during 24th-25th April.

South India:

- ❖ Light scattered rainfall with thunderstorm/lightning/gusty winds very likely over Andhra Pradesh, Telangana, Interior Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe during next 4 days and isolated rainfall with thunderstorm/lightning/gusty winds over remaining areas during the period.
- ❖ **Heavy rainfall** very likely at isolated places over Coastal Andhra Pradesh & Yanam and Tamil Nadu, Puducherry & Karaikal on 23rd and over Kerala & Mahe on 23rd & 24th April.
- ❖ **Hailstorm** very likely at isolated places over Coastal Andhra Pradesh & Yanam and Telangana on 24th April.

West India:

- ❖ Light isolated rainfall with thunderstorm/lightning very likely over Madhya Maharashtra and Marathwada during next 5 days and over Gujarat on 26th & 27th April.
- ❖ **Hailstorm** very likely at isolated places over Marathawada during 26th-27th April.

Northwest India:

- ❖ Light isolated rainfall with thunderstorm/lightning very likely over the region except over West Rajasthan during next 24 hours.

For more details kindly refer:

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

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

Agromet advisories for hailstorm/thunderstorms/gusty winds likely over various parts of the country:

- Provide mechanical support to horticultural crops and staking to vegetables Complete harvesting of matured rice, maize, groundnut and *ragi* in Andhra Pradesh; rice in Kerala and Telangana; rice, green gram and black gram in Odisha; green gram and black gram in Tamilnadu; wheat and maize in Bihar and East Madhya Pradesh and keep the harvested produce in safer places.
- Postpone harvesting of rice in Arunachal Pradesh and keep the already harvested produce at safer places. Also postpone sowing of maize and *jhum* rice.
- Postpone sowing of jute, maize and summer vegetables in Assam & Meghalaya; cucumber and maize in Tamilnadu.
- Maintain proper drainage channels in crop fields to avoid water stagnation in Arunachal Pradesh, Assam & Meghalaya, Odisha, Tamil Nadu, Kerala and Coastal Andhra Pradesh.
- Use hail nets to protect orchards in Coastal Andhra Pradesh, Telangana, Sub Himalayan West Bengal & Sikkim, Odisha, Bihar, Vidarbha, East Madhya Pradesh and Chhattisgarh.
- Provide mechanical support to horticultural crops and staking to vegetables.

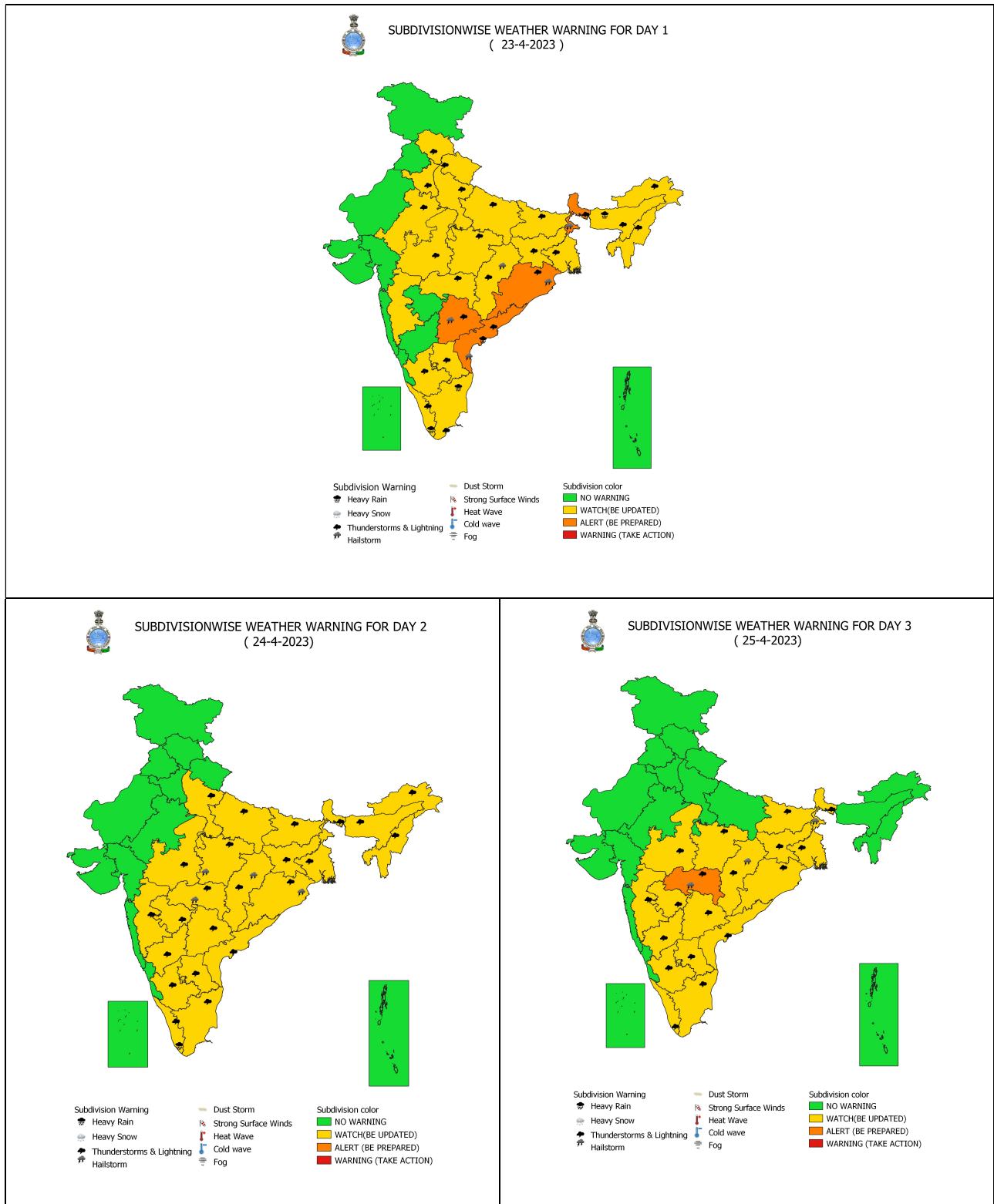
Observations: (from 0830 hours IST of yesterday to 0830 hours IST of today):❖ **Rainfall/thundershowers observed**

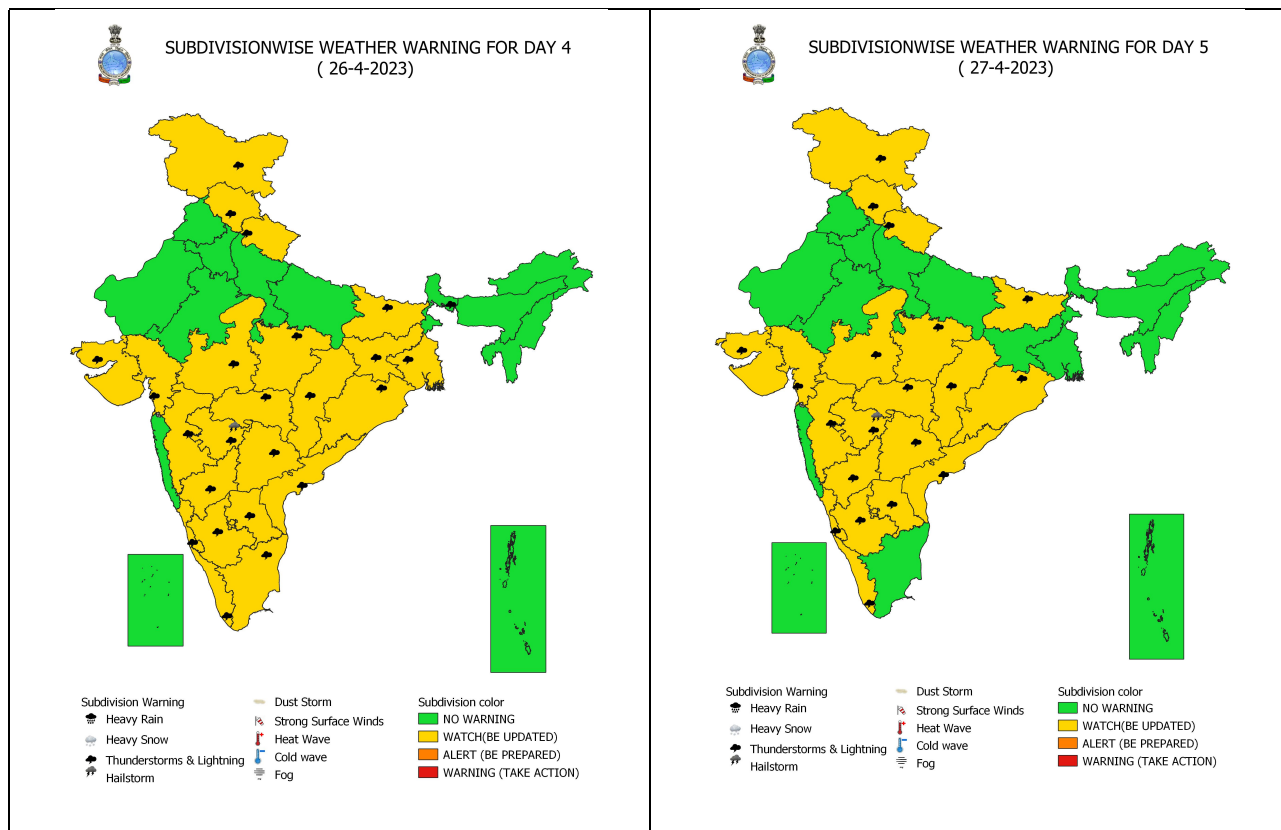
- **at most places over** Sub-Himalayan West Bengal & Sikkim, Odisha and Chhattisgarh;
- **at many places over** Gangetic West Bengal and Vidarbha;
- **at a few places over** Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Coastal Andhra Pradesh & Yanam and Telangana;
- **at isolated places over** Jharkhand, Bihar, Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, Rajasthan, Madhya Pradesh, Gujarat, Madhya Maharashtra, Marathwada, Rayalaseema, South Interior Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.

❖ **Significant amount of rainfall (in cm):**

- **Arunachal Pradesh:** Tuting (dist Upper Siang) 6;
- **Nagaland, Manipur, Mizoram & Tripura:** Kolasib Agri (dist Kolasib) 6, Lawngtlai Agri (dist Lawngtlai) 5, Saiha Agri (dist Saiha) 5;
- **Sikkim:** Singhik (dist North Sikkim) 6, Mangan & Sankalan (dist North Sikkim) 5;
- **Odisha:** Koksara (dist Kalahandi) 7, Atabira (dist Bargarh) 6, Dabugan (dist Nawarangpur) 6, Narla (dist Kalahandi) 5, Burla (dist Sambalpur) 5;
- **Vidarbha:** Korchi (dist Gadchiroli) 5;
- **Gujarat Region:** Kukarmunda (dist Tapi) 5;
- **Coastal Andhra Pradesh & Yanam:** Yanam (dist Yanam) 5, Amalapuram (dist B R Ambedkar Konaseema) 5;
- **Telangana:** Huzurabad (dist Karimnagar) 8;
- **Tamilnadu:** Gomugi Dam (PWD) (dist Kallakurichi) 13, Mohanur (dist Namakkal) & Valparai Pap (dist Coimbatore) 6;

❖ **Hailstorm observed** at isolated places over Sub-Himalayan West Bengal & Sikkim, Odisha, Himachal Pradesh, Uttarakhand, Jammu-Kashmir & Ladakh, Gilgit, Baltistan Muzaffarabad, Madhya Maharashtra, Vidarbha, Chhattisgarh, Coastal Andhra Pradesh & Yanam, Telangana and Tamil Nadu, Puducherry & Karaikal.❖ **Thunderstorm observed** at isolated places over Jammu-Kashmir & Ladakh, Gilgit, Baltistan Muzaffarabad, Himachal Pradesh, Uttarakhand, Punjab, Haryana, Uttar Pradesh, East Rajasthan, Vidarbha, Chhattisgarh, Bihar, Jharkhand, West Bengal, Sikkim, Odisha, Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura, Saurashtra & Kutch, Marathwada, Andhra Pradesh & Yanam, Telangana, Interior Karnataka, Kerala & Mahe, Tamilnadu, Puducherry & Karaikal.❖ **Heavy to very heavy rainfall** observed at isolated places over Tamil Nadu and **heavy rainfall** at isolated places over Odisha and Telangana.








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