



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

**Press Release
Date: 22nd April, 2023
Time of Issue: 1330 hours IST**

**Subject: (i) Wet spell over Eastcentral, Northeast India and Southeast Peninsular India during the next 4 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 runs as a trough roughly along Long. 73°E to the north of Lat. 30°N in middle levels.
- ❖ A cyclonic circulation lies over northwest Madhya Pradesh and another over interior Tamil Nadu in lower levels.
- ❖ A trough/wind discontinuity runs from northwest Madhya Pradesh to south Tamil Nadu in lower levels.
- ❖ A trough runs roughly along Long. 88°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, interior parts of Gujarat & Maharashtra, Coastal Andhra Pradesh & Yanam, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe; 30-35°C many parts of rest of the country except over Western Himalayan Region (16-25°C).
- ❖ Maximum Temperatures were normal or below normal over most parts of the country except over West Bengal, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe where these are above normal by 2-4°C.
- ❖ Yesterday, Heat Wave conditions abated from Gangetic West Bengal, Bihar and Odisha.

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

- ❖ Central India: Rise in Maximum Temperatures by 2-3°C very likely during the next 2 days and no significant change thereafter.
- ❖ No significant change in maximum temperatures over rest parts of India during the next 3-4 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 22nd & 23rd April.
- ❖ Duststorm very likely at isolated places over south Haryana, northeast Rajasthan and West Uttar Pradesh 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 days and gradual reduction thereafter.
- ❖ **Hailstorm** very likely at isolated places over Sub-Himalayan West Bengal & Sikkim on 22nd April; over Odisha during 22nd-24th April and over Bihar on 24th & 25th April.
- ❖ **Heavy rainfall** very likely at isolated places over Odisha on 24th April.

Northeast India:

- ❖ Light/moderate scattered to fairly widespread rainfall with thunderstorm/lightning/gusty winds very likely over the region during next 3 days and gradual reduction thereafter.

❖ **Heavy rainfall** very likely at isolated places over Arunachal Pradesh and Assam & Meghalaya on 22nd 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 4 days and gradual reduction thereafter.

❖ **Hailstorm** very likely at isolated places over Vidarbha on 24th April.

South India:

❖ Light isolated to scattered rainfall with thunderstorm/lightning/gusty winds very likely over Andhra Pradesh, Telangana, Interior Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe during next 5 days.

❖ **Heavy rainfall** very likely at isolated places over Tamil Nadu and Kerala on 22nd & 23rd April.

West India:

❖ Light isolated rainfall with thunderstorm/lightning very likely over Madhya Maharashtra and Marathwada during 24th-26th April.

Northwest India:

❖ Light isolated rainfall with thunderstorm/lightning very likely over the region except over 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:

- Undertake harvesting of matured rice, maize, groundnut and ragi in Andhra Pradesh; rice in Kerala 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.
- 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 Sub Himalayan West Bengal & Sikkim and Odisha.
- Provide mechanical support to horticultural crops and staking to vegetables.

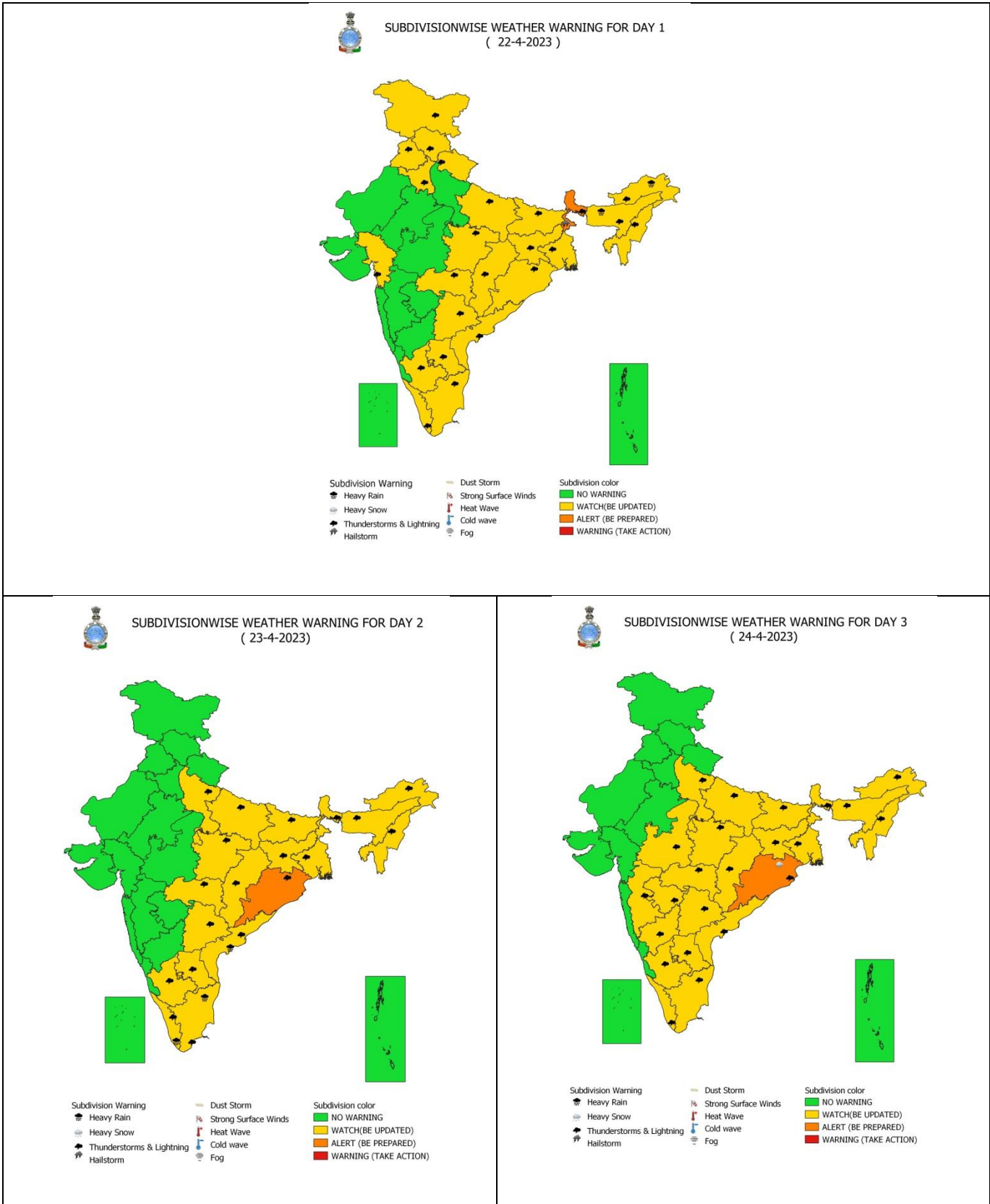
Observations: (from 0830 hours IST of yesterday to 0830 hours IST of today):❖ **Rainfall/thundershowers observed**

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

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

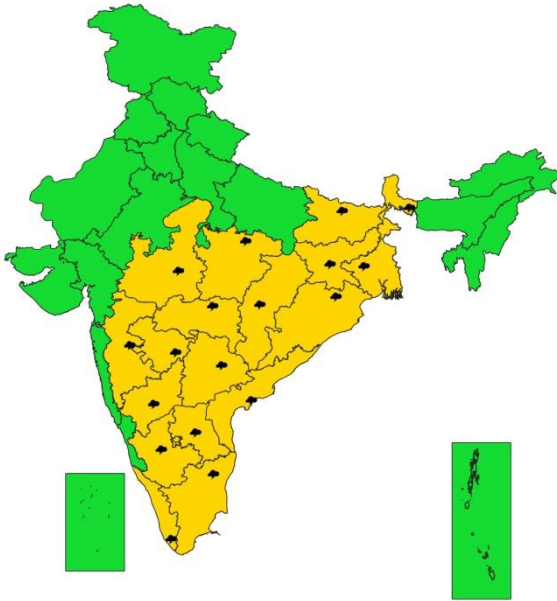
- **Arunachal Pradesh:** Tawang (dist Tawang) 4
- **Assam & Meghalaya:** Nalbari/pagladia (dist Nalbari) 9, Cherrapunji (dist East Khasi Hills) 6, Barpeta/sarbhog_aws (dist Barpeta) 6, Beky Rly.bridge (dist Barpeta) 5, Barpeta (dist Barpeta) 5, Tamulpur Arg (dist Baksa) 5, Dhekiajuli Arg (dist Shonitpur) 5, Cherrapunji(rkm) (dist East Khasi Hills) 5, Tangla_arg (dist Udalguri) 4, Tamulpur (dist Baksa) 4, Udalguri_aws (dist Udalguri) 4, Manikpur Arg (dist Bongaigaon) 4, Panbari (dist Chirang) 4
- **Tripura:** Lembuchhera (dist West Tripura) 5, Arundhutinagar (dist West Tripura) 5, A D Nagar_aws (dist West Tripura) 5
- **Tamilnadu:** Bodinaickanur (dist Theni), Vadapudupattu (dist Tirupattur), Valparai Pap (dist Coimbatore), Valparai PTO (dist Coimbatore) 4 each
- **Kerala:** Kanjirappally (Kottayam district) 4
- **Telangana:** Khila Ghanpur (dist Wanaparthy) 4, Bhoothpur (dist Mahabubnagar) 4,

❖ **Hailstorm observed** at isolated places over Himachal Pradesh, Uttar Pradesh, Sub-Himalayan West Bengal & Sikkim, Nagaland, Manipur, Mizoram & Tripura, Marathwada.❖ **Thunderstorm observed** at isolated places over Jammu-Kashmir & Ladakh, Gilgit, Baltistan Muzaffarabad, Himachal Pradesh, Uttarakhand, Punjab, Haryana, Uttar Pradesh, 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 rainfall** observed at isolated places over Arunachal Pradesh.





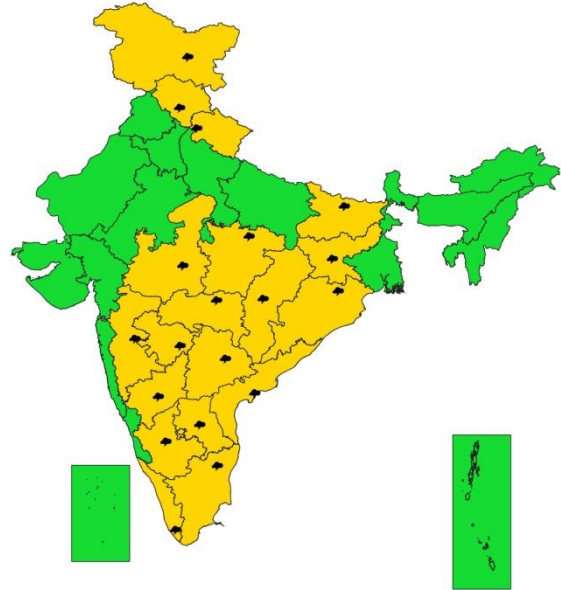
SUBDIVISIONWISE WEATHER WARNING FOR DAY 4
(25-4-2023)



- | | | |
|-----------------------------|------------------------|-------------------------|
| Subdivision Warning | Dust Storm | Subdivision color |
| ☁ Heavy Rain | ☁ Strong Surface Winds | 🟢 NO WARNING |
| ❄ Heavy Snow | 🔥 Heat Wave | 🟡 WATCH (BE UPDATED) |
| ⚡ Thunderstorms & Lightning | ❄ Cold wave | 🟠 ALERT (BE PREPARED) |
| 🌧 Hailstorm | 🌫 Fog | 🔴 WARNING (TAKE ACTION) |



SUBDIVISIONWISE WEATHER WARNING FOR DAY 5
(26-4-2023)
















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| 🌧 Hailstorm | 🌫 Fog | 🔴 WARNING (TAKE ACTION) |

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

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