



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release
Date: 12th April, 2023
Time of Issue: 1245 hours IST

Subject: Gradual rise in maximum temperatures by 2-4°C over many parts of the country during next 5 days. Heat wave conditions likely over Gangetic West Bengal from today and over Odisha from tomorrow.

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

Weather Forecast and Warnings (Graphics in Annexure II):

- ❖ A **trough/wind discontinuity** runs from east Vidarbha to coastal Karnataka at lower tropospheric levels.
- ❖ A cyclonic circulation lies over southwest Rajasthan upto middle tropospheric levels.
- ❖ A fresh Western Disturbance is likely to affect Western Himalayan Region from night of 15th April, 2023.

Under the influence of these systems, following weather is expected:

West India:

- ❖ Light/moderate isolated rainfall with thunderstorm/lightning very likely over Konkan & Goa, Madhya Maharashtra and Marathwada during next 5 days. Isolated **hailstorm** very likely over Madhya Maharashtra during 12th-14th; over Konkan on 13th and over Marathawada on 14th April, 2023.

Northwest India:

- ❖ Light/moderate isolated to scattered rainfall with thunderstorm/lightning very likely over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh & Uttarakhand on 15th & 16th and isolated light rainfall over Punjab, north Haryana and West Rajasthan on 16th April, 2023.
- ❖ **Strong surface winds (25-35 kmph)** very likely over Haryana and Uttar Pradesh during 12th-13th April, 2023.

No significant weather likely over rest parts of the country.

Maximum Temperatures, Forecast and Heat Wave Warning during next 5 days:

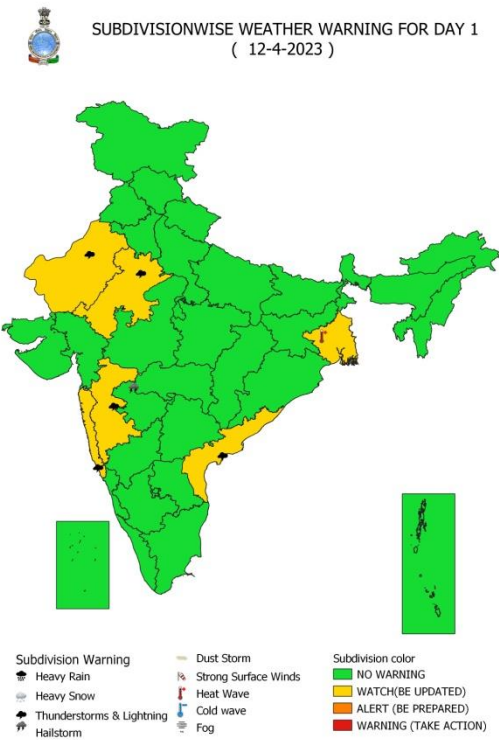
- ❖ **Maximum temperatures** are in the range of 40-42°C over some parts of Madhya Pradesh, Gujarat, interior Maharashtra, Odisha and Telangana and less than 40°C over rest parts of the country. They are above normal by 2-3°C over some/many parts of Jammu & Kashmir, Northeast & adjoining East India and Coastal Andhra Pradesh & Yanam and near normal over rest parts of the country.
- ❖ **Northwest & East India:** Maximum Temperatures are very likely to rise gradually by 2-4°C during next 3 days and no significant change thereafter.
- ❖ **Central India:** Maximum Temperatures are very likely to rise gradually by 2-4°C during next 5 days.
- ❖ **Maharashtra:** No significant change in Temperatures very likely during next 3 days and rise gradually by 2-4°C thereafter.
- ❖ **Heat wave conditions** very likely in isolated pockets over Gangetic West Bengal during 12th-16th and over Odisha during 13th-15th April, 2023.

For more details kindly refer:

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

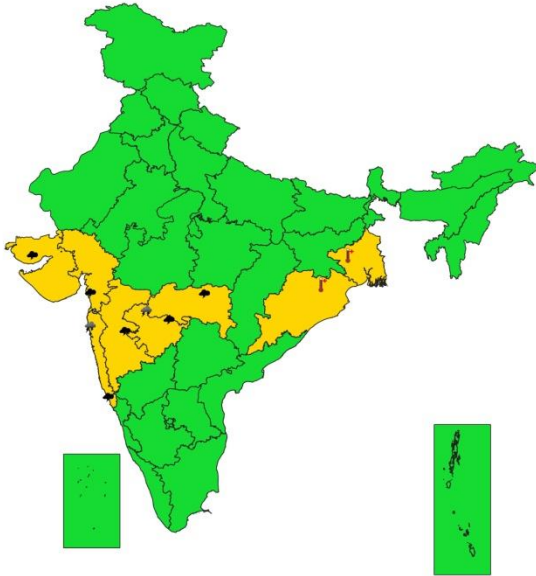
Observations:

- ❖ **Rainfall/thundershowers observed: at isolated places** over Jammu & Kashmir, Rajasthan, Vidarbha, Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gujarat state, Konkan & Goa, Madhya Maharashtra, Coastal Andhra Pradesh, Telangana and Kerala.
- ❖ **Significant rainfall recorded** (in cm): **Madhya Maharashtra:** Nashik: Igatpuri-2; **Coastal Andhra Pradesh:** Chintapalle (dist Alluri Sitharamaraju) 1.
- ❖ **Thunderstorm observed** at isolated places over Jammu & Kashmir, Rajasthan, Vidarbha and Coastal Andhra Pradesh.
- ❖ Isolated **hailstorm** observed over Madhya Maharashtra.





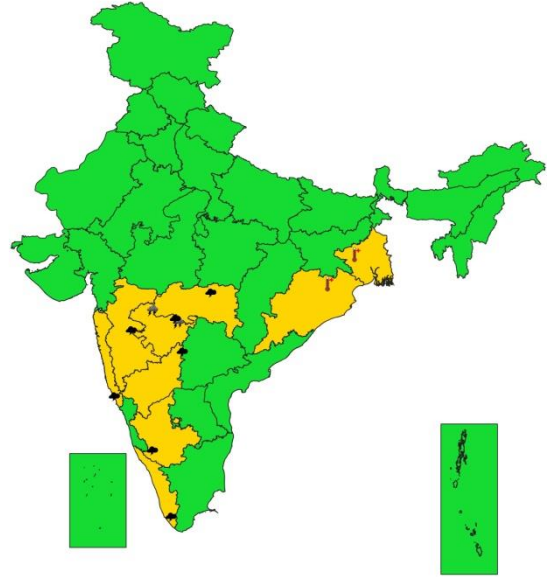
SUBDIVISIONWISE WEATHER WARNING FOR DAY 2 (13-4-2023)



- | | | |
|----------------------------|----------------------|--------------------------|
| 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) |



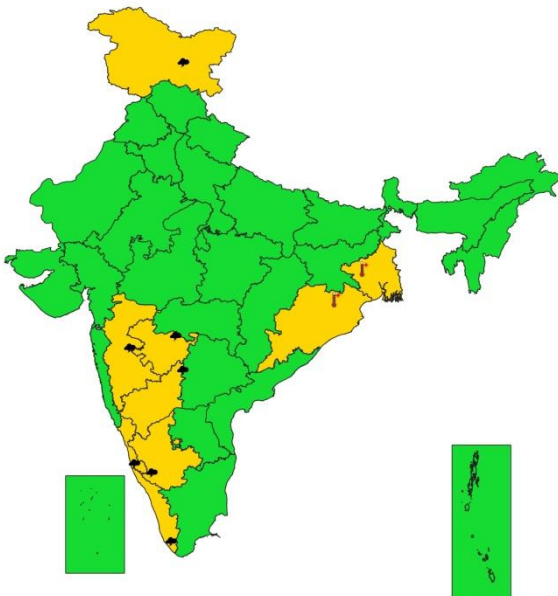
SUBDIVISIONWISE WEATHER WARNING FOR DAY 3 (14-4-2023)



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|----------------------------|----------------------|--------------------------|
| 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) |



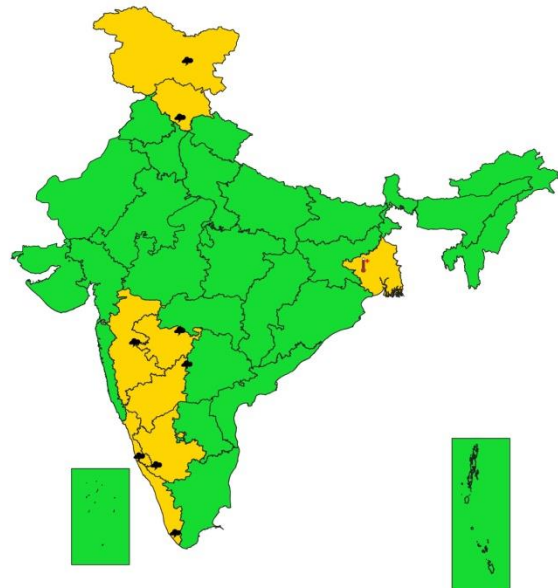
SUBDIVISIONWISE WEATHER WARNING FOR DAY 4 (15-4-2023)



- | | | |
|----------------------------|----------------------|--------------------------|
| 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 (16-4-2023)
















- | | | |
|----------------------------|----------------------|--------------------------|
| 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) |

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 |