



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

**Press Release  
Date: 07<sup>th</sup> August, 2023  
Time of Issue: 1330 hours IST**

**Subject: i) Isolated heavy to very heavy rainfall likely along the foothills of the Himalayas (Uttarakhand, north Uttar Pradesh, Bihar, Sikkim) and over Northeast India during next 3 days.  
ii) Subdued rainfall activity likely over rest parts of the country during next one week.**

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

**Significant Weather features:**

- ❖ A cyclonic circulation lies over north Bangladesh in lower tropospheric levels.
- ❖ The Monsoon Trough lies north of its normal position. It is likely to be north of its normal position or along the foothills of Himalayas during next 4-5 days.
- ❖ A Western Disturbance as a trough in middle tropospheric westerlies runs roughly along Long. 68°E to the north of 30°N.

**Weather Forecast and Warnings:**

**Northwest India:** Light/moderate scattered to fairly widespread rainfall with isolated **heavy rainfall** activity very likely over Uttarakhand during 07<sup>th</sup>-10<sup>th</sup>; Uttar Pradesh during 07<sup>th</sup>-09<sup>th</sup>; Himachal Pradesh on 07<sup>th</sup> August, 2023. **Isolated very heavy rainfall also likely over East Uttar Pradesh during 07<sup>th</sup>-09<sup>th</sup> and over Uttarakhand & West Uttar Pradesh on 09<sup>th</sup> August.**

**Subdued rainfall activity likely over rest parts during next 7 days.**

**East India:** Light/moderate fairly widespread to widespread rainfall with **isolated heavy rainfall** activity very likely over West Bengal & Sikkim on 07<sup>th</sup> & 08<sup>th</sup> and Bihar & Jharkhand during 07<sup>th</sup>-09<sup>th</sup> August. Isolated **very heavy rainfall** is also likely over Gangetic West Bengal on 07<sup>th</sup> and over Bihar on 07<sup>th</sup> & 08<sup>th</sup> August.

**Northeast India:** Light/moderate fairly widespread to widespread rainfall with **isolated heavy to very heavy rainfall** activity very likely over Arunachal Pradesh, Assam, Meghalaya and Nagaland, Manipur, Mizoram & Tripura during next 2 days and isolated heavy rainfall for subsequent 3 days.

Isolated **extremely heavy rainfall** is also likely over Meghalaya and Tripura on 07<sup>th</sup> August.

**Central, West & South India:** Subdued rainfall activity likely over these regions during next 7 days.

For more details kindly refer: [https://mausam.ind.gov.in/responsive/all\\_india\\_forecast\\_bulletin.php](https://mausam.ind.gov.in/responsive/all_india_forecast_bulletin.php)

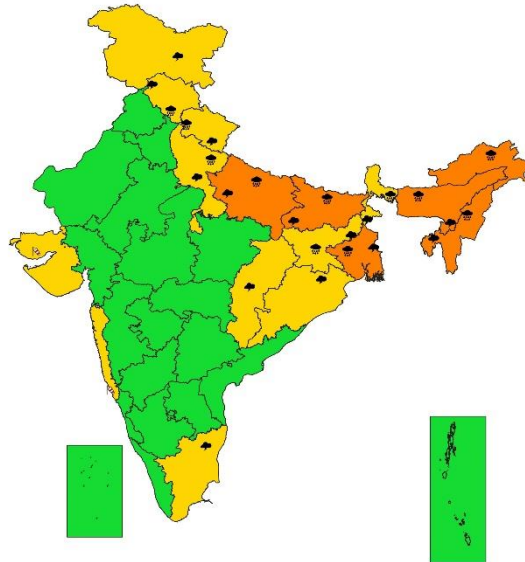
**Rainfall Observations: (from 0830 hours IST of yesterday to 0830 hours IST of today, the 07<sup>th</sup> August, 2023):**

- **Heavy to very heavy rainfall with extremely heavy falls** at isolated places observed over Meghalaya; **heavy to very heavy rainfall** at isolated places over Himachal Pradesh, Uttarakhand, Bihar and **heavy rainfall** at isolated places over Uttar Pradesh, East Madhya Pradesh, Sub-Himalaya West Bengal & Sikkim, Mizoram & Tripura and Arunachal Pradesh.
- **Significant rainfall recorded (in cm):**
  - ✓ **Assam & Meghalaya:** Mawsynram (Dist East Khasi Hills) 30, Sohra (Dist. East Khasi Hills) 29, Maphlang (Dist. ) 11, Mawkyrat 10, Khata Laitkroh ( Dist. East Khasi Hills) 10, Gossaingaon(Distkokrajhar ) 09, Kokrajhar(Dist. Kokrajhar) 08, Barpeta (Distbarpeta) 05,Barpeta (Dist. Barpeta ) 05 , Mangaldalai (Dist. Darrang)08, Rattachera (Dist. Jaintia Hills ) 08 ,
  - ✓ **Mizoram & Tripura:** Sonamura (Dist.Sipahijala) 17, Sabroom (Dist. South Tripua) 17, A.D.Nagar(Dist.West Tripura) 15, Agartala (Dist. West Tripura) 14, Agartala (Dist. West Tripura) 14, Belonia (Dist.South Tripura) 14, Bagafa (Dist.South Tripua) 12, Lembucherra (Dist.West Tripura) 13, Sipahijala (Dist. Sipahijala) 12, Sonamura (Dist. Sipahijala) 12 ,
  - ✓ **Himachal Pradesh:** Naina Davi (dist Bilaspur) 16, R L BBMB (dist Bilaspur) 14,
  - ✓ **Bihar:** Mushari(Muzzaffarpur)-13, Itarhi (Buxar)-11, Rajgir(Nalanda)-8
  - ✓ **Uttarakhand:** Narendranagar 12, Haldwani 10, Nainital 9, Kotdwara
  - ✓ **Punjab:** Doraha (dist Ludhiana) 11, Anandpur Sahib (dist Rupnagar) 10,
  - ✓ **East Uttar Pradesh:** Kheri Lakhimpur (dist Kheri) 11, Nawabganj Tehsil (dist Barabanki) 10, Chanderdeepghat (dist Gorakhpur) 9, Varanasi/Babatpur (dist Varanasi) 8, Ramnagar (dist Barabanki) 8, Colonalganj (dist Gonda) 8, Bara Banki (dist Barabanki) 8, Ayodhya (dist Ayodhya) 8, Bhinga (dist Shrawasti) 7, Nanpara (dist Bahraich) 7, Jaunpur (dist Jaunpur) 7, Biswan (dist Sitapur) 7, Ayoadhya (dist Ayodhya) 7,
  - ✓ **West Uttar Pradesh:** Baheri (dist Bareilly) 8, Moradabad (dist Moradabad) 8, Budaun (dist Badaun) 7,
  - ✓ **East Madhya Pradesh:** Katangi (dist Balaghat) 7,
  - ✓ **Sub-Himalaya West Bengal & Sikkim:** Mathabhanga, Coch Behar-8 each, Pundibari-7
  - ✓ **Arunachal Pradesh:** ITANAGAR (dist.PAPUMARA) 07 ,

# Annexure II



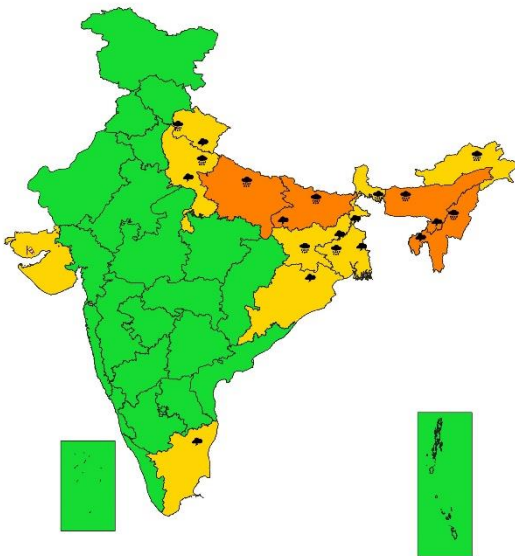
**SUBDIVISIONWISE WEATHER WARNING FOR DAY 1  
( 7-8-2023 )**



- |                            |                      |                          |
|----------------------------|----------------------|--------------------------|
| <b>Subdivision Warning</b> | Dust Storm           | <b>Subdivision color</b> |
| 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)    |



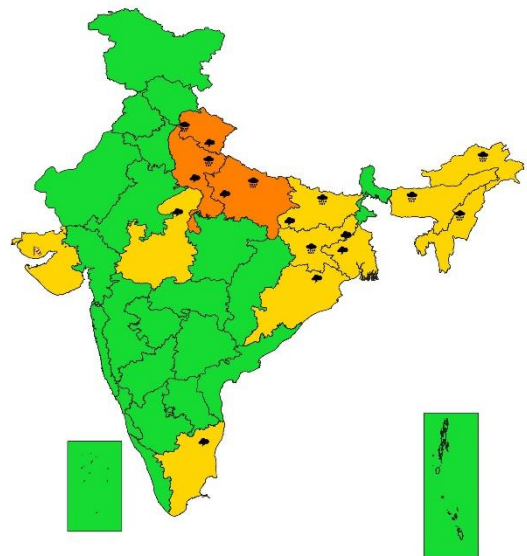
**SUBDIVISIONWISE WEATHER WARNING FOR DAY 2  
( 8-8-2023 )**



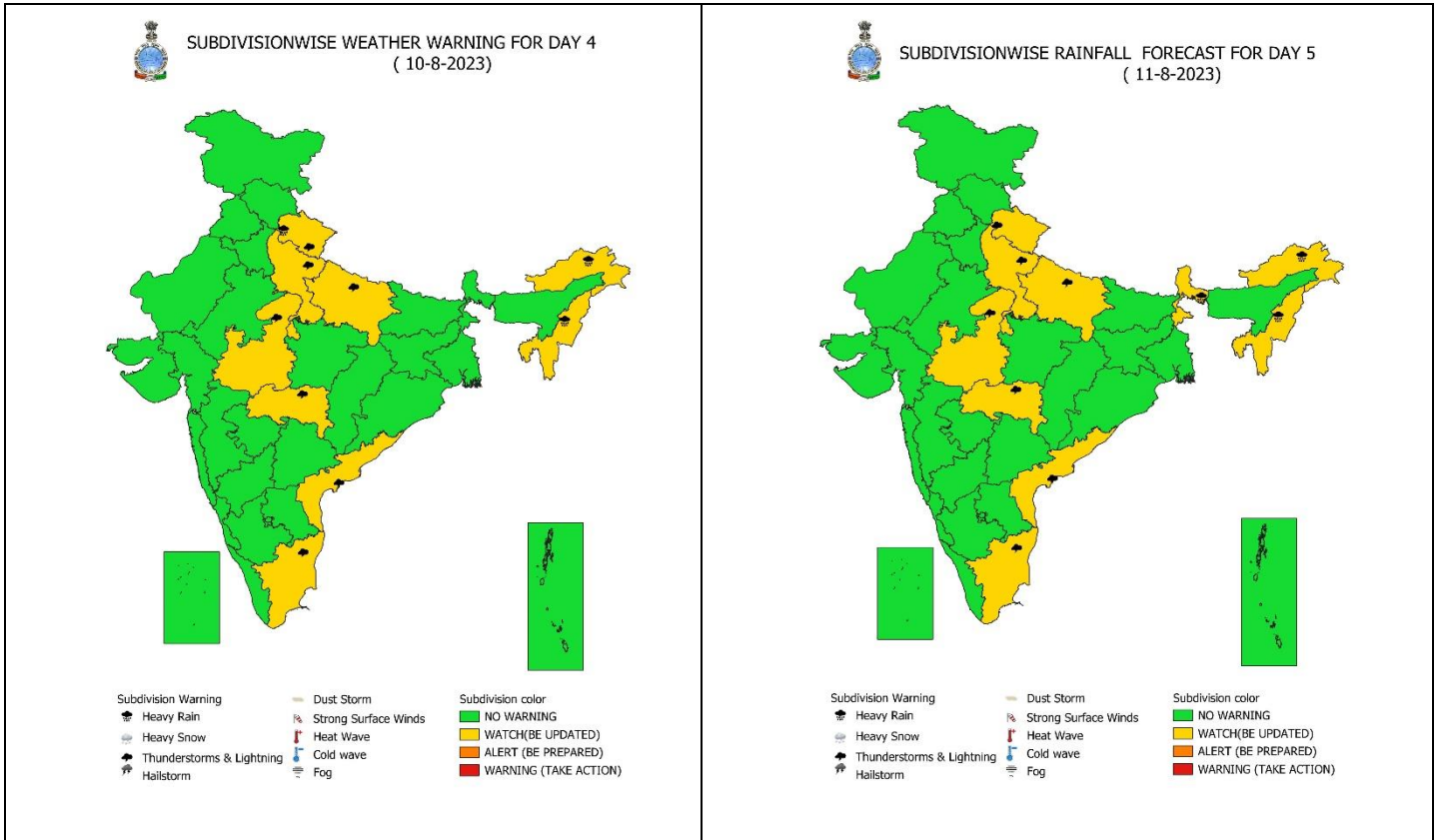
- |                            |                      |                          |
|----------------------------|----------------------|--------------------------|
| <b>Subdivision Warning</b> | Dust Storm           | <b>Subdivision color</b> |
| Heavy Rain                 | Strong Surface Winds | NO 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  
( 9-8-2023 )**



- |                            |                      |                          |
|----------------------------|----------------------|--------------------------|
| <b>Subdivision Warning</b> | Dust Storm           | <b>Subdivision color</b> |
| 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)    |



**Impact & Action Suggested due to very heavy/extremely heavy rainfall over:**

1. Bihar, Nagaland, Manipur, Mizoram & Tripura and Assam & Meghalaya on 07<sup>th</sup> & 08<sup>th</sup> August;
2. East Uttar Pradesh during 07<sup>th</sup>-09<sup>th</sup> August
3. Uttarakhand & West Uttar Pradesh on 09<sup>th</sup> August

**A. Impact Expected**

- ❖ Localized Flooding of roads, water logging in low lying areas and closure of underpasses mainly in urban areas of the above region.
- ❖ Occasional reduction in visibility due to heavy rainfall.
- ❖ Disruption of traffic in major cities due to water logging in roads leading to increased travel time.
- ❖ Minor damage to kutcha roads.
- ❖ Possibilities of damage to vulnerable structure.
- ❖ Localized Landslides/Mudslides in the hilly areas.
- ❖ Damage to horticulture and standing crops in some areas due to inundation.
- ❖ It may lead to riverine flooding in some river catchments (for riverine flooding please visit Web page of CWC).

**B. Action Suggested**

- ❖ Check for traffic congestion on your route before leaving for your destination.
- ❖ Follow any traffic advisories that are issued in this regard.
- ❖ Avoid going to areas that face the water logging problems often.
- ❖ Avoid staying in vulnerable structure.

**Legends:**

- ❖ **Heavy Rain:** 64.5 to 115.5 mm; **Very Heavy Rain:** 115.6 to 204.4 mm; **Extremely Heavy Rain:** >204.4mm.
- ❖ **Obsy:** Observatory; **AWS:** Automatic Weather Station
- ❖ **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, Tamil Nadu, Puducherry & Karaikal and Lakshadweep.

<b>SPATIAL DISTRIBUTION</b> (% 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	<span style="display: inline-block; width: 15px; height: 15px; background-color: #00FF00; border: 1px solid black;"></span> NO WARNING
Heavy Snow	Heat Wave	<span style="display: inline-block; width: 15px; height: 15px; background-color: #FFD700; border: 1px solid black;"></span> WATCH(BE UPDATED)
Thunderstorms & Lightning	Cold wave	<span style="display: inline-block; width: 15px; height: 15px; background-color: #FF8C00; border: 1px solid black;"></span> ALERT (BE PREPARED)
Hailstorm	Fog	<span style="display: inline-block; width: 15px; height: 15px; background-color: #FF0000; border: 1px solid black;"></span> WARNING (TAKE ACTION)

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

<b>Flash Flood Risk</b>	
<span style="display: inline-block; width: 15px; height: 15px; background-color: #FF0000; border: 1px solid black;"></span>	High Risk (Take Action)
<span style="display: inline-block; width: 15px; height: 15px; background-color: #FF8C00; border: 1px solid black;"></span>	Moderate Risk (Be Prepared)
<span style="display: inline-block; width: 15px; height: 15px; background-color: #FFFF00; border: 1px solid black;"></span>	Low Risk (Be Updated)