



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

**Press Release  
Date: 08<sup>th</sup> August, 2023  
Time of Issue: 1245 hours IST**

**Subject: i) Isolated heavy to very heavy rainfall likely over Northeast India, Bihar and Uttarakhand during next 5 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 & middle 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. 74°E to the north of 32°N.

**Weather Forecast and Warnings:**

**Northwest India:** Light/moderate scattered to fairly widespread rainfall with isolated **heavy rainfall** activity very likely over Uttarakhand during 08<sup>th</sup>-12<sup>th</sup>; East Uttar Pradesh during 08<sup>th</sup>, 09<sup>th</sup> & 12<sup>th</sup> and over West Uttar Pradesh on 09<sup>th</sup> August, 2023. Isolated **very heavy rainfall** also likely over Uttarakhand on 09<sup>th</sup> & 10<sup>th</sup> August.

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

**East India:** Light/moderate fairly widespread to widespread rainfall with **isolated heavy rainfall** activity very likely over Bihar during 08<sup>th</sup>-10<sup>th</sup>, Sub-Himalayan West Bengal & Sikkim on 08<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup> and over Gangetic West Bengal & Jharkhand on 8<sup>th</sup> August. Isolated **very heavy rainfall** likely over Bihar on 08<sup>th</sup> & 09<sup>th</sup> with isolated **extremely heavy falls** on 8<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 5 days.

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

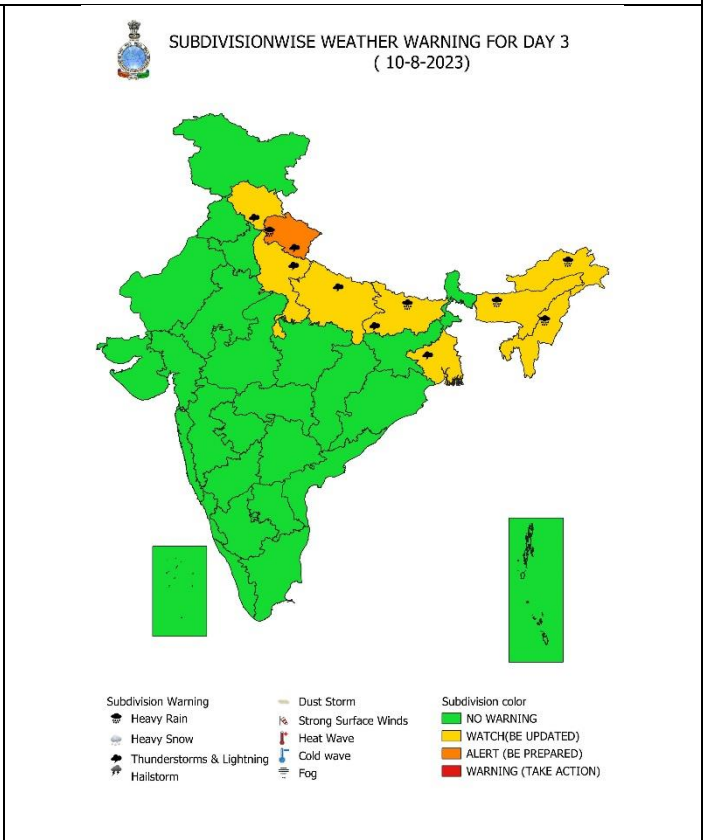
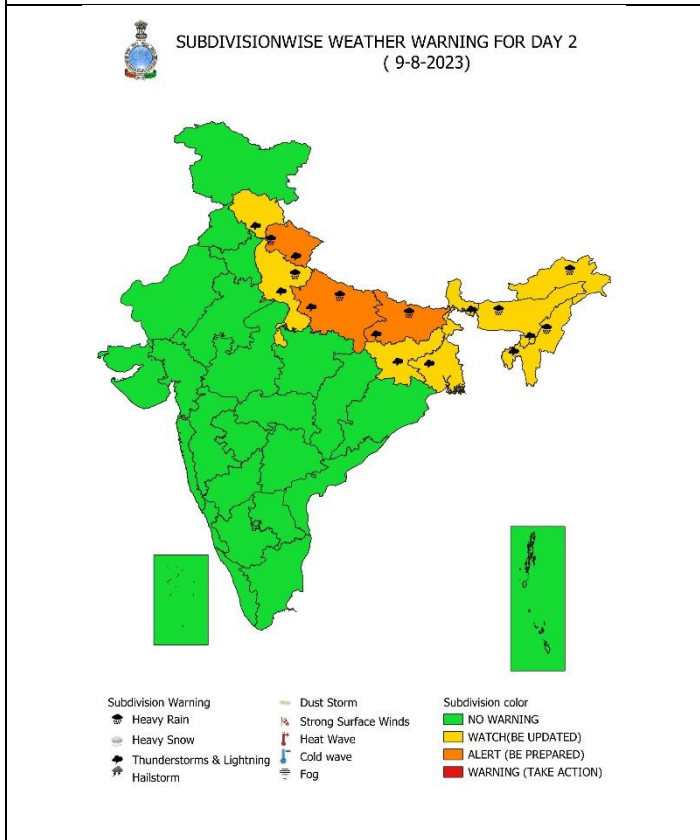
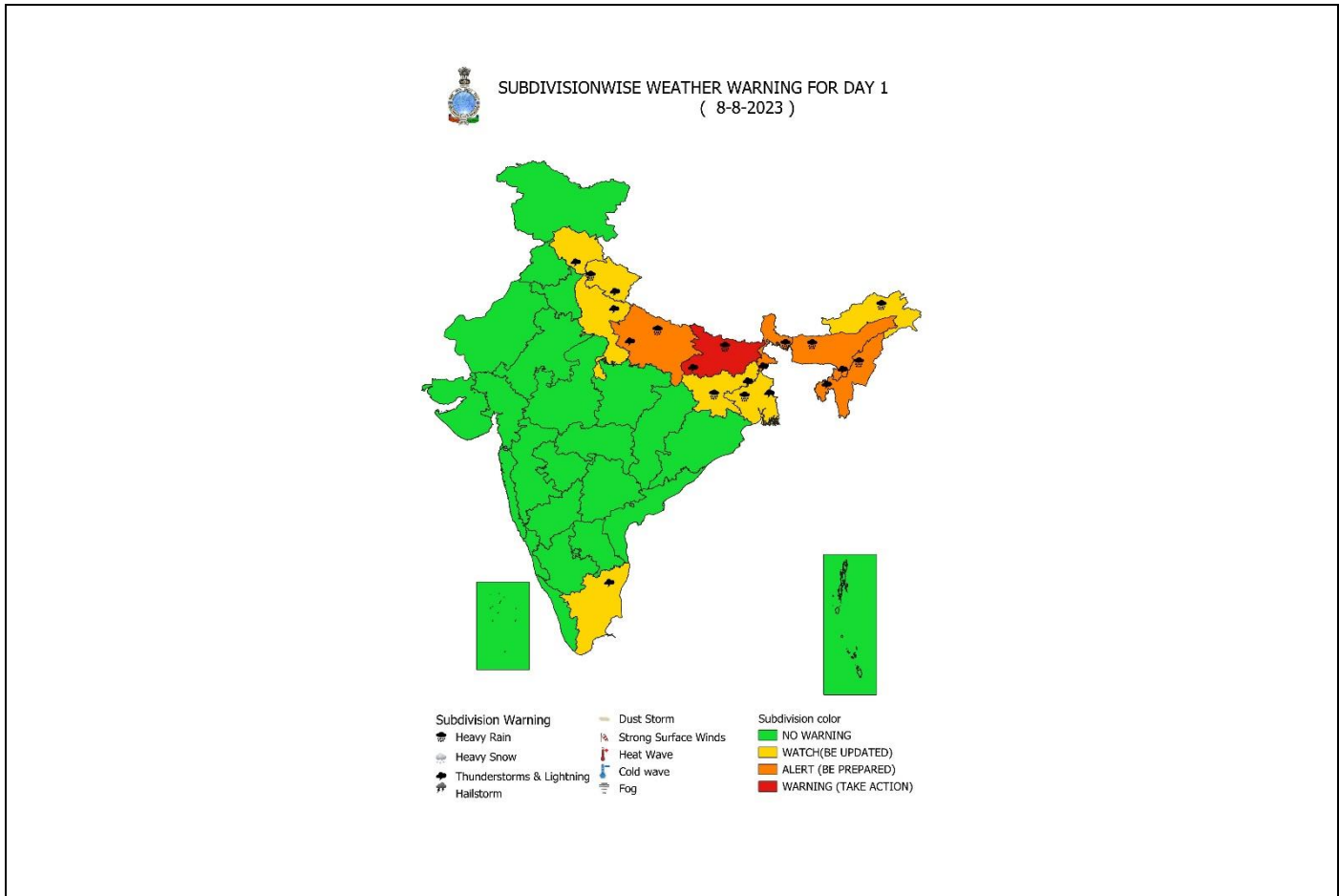
For more details kindly refer: [https://mausam.imd.gov.in/responsive/all\\_india\\_forecast\\_bulletin.php](https://mausam.imd.gov.in/responsive/all_india_forecast_bulletin.php)

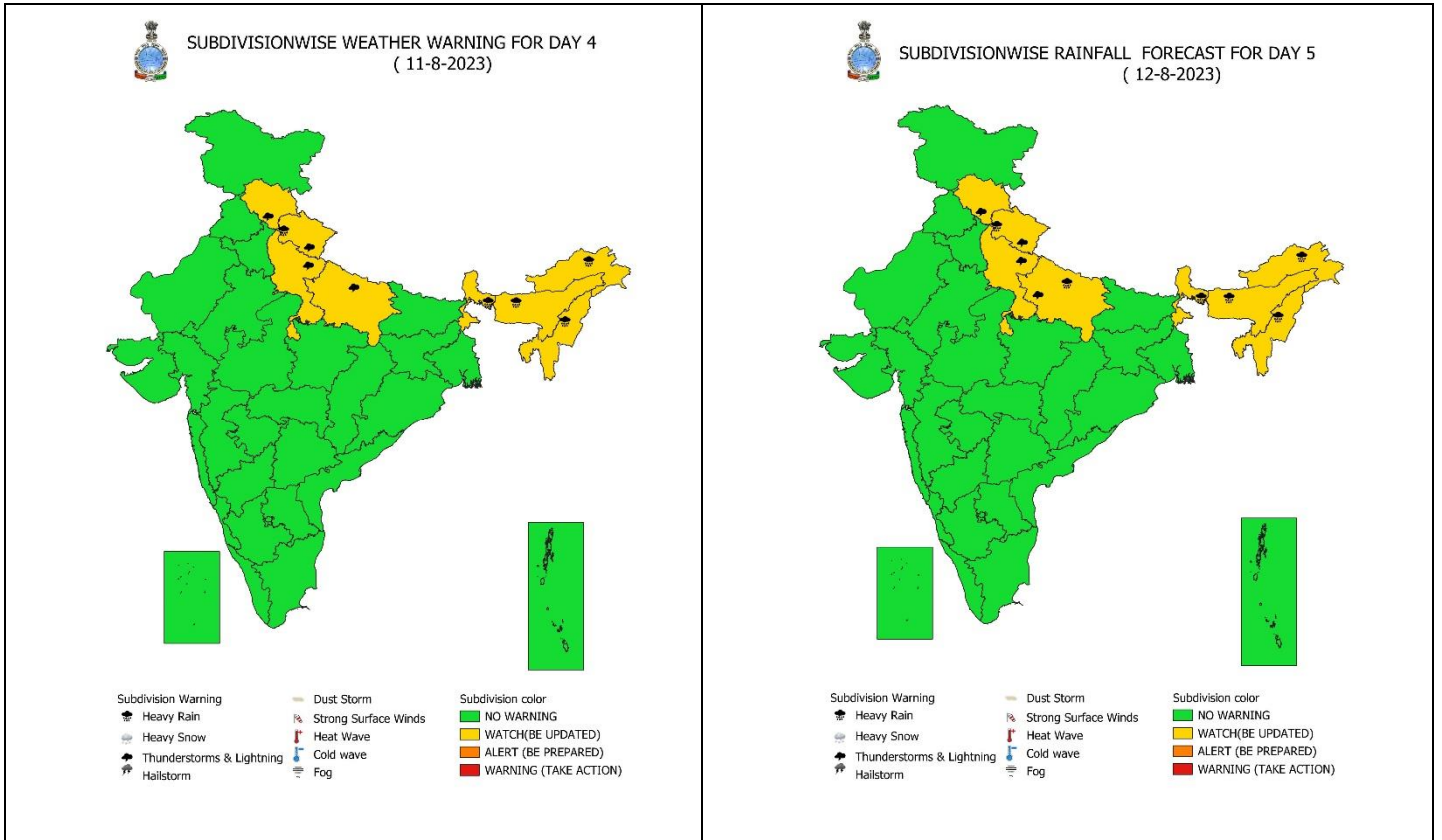
**Annexure I**

**Rainfall Observations: (from 0830 hours IST of yesterday to 0830 hours IST of today, the 08<sup>th</sup> August, 2023):**

- **Heavy to very heavy rainfall with extremely heavy falls** at isolated places observed over Bihar, Uttarakhand; **heavy to very heavy rainfall** at isolated places over Sub-Himalaya West Bengal, Assam & Meghalaya and Mizoram & Tripura.
- **Significant rainfall recorded (in cm):**
  - ✓ **Bihar: Purnea:** Kasba-26, Kirtyanandnagar-25, Purnea, Jalalgarh-17 each, Banmankhi-14, **Araria:** Raniganj-16, Forbesganj-13, Narpatganj-12, Sikti-9; **Katihar:** Kadwa-13, **Supaul:** Nirmali-12, **Sitamarhi:** Sonbarsa-10,
  - ✓ **Uttarakhand: Dehradun:** Sahastradhara -25, Rishikesh-7, **Nainital:** Haldwani-16, Pauri Garhwal (Yamkeshwar)-15, Tehri Garhwal (Narendra nagar-14) **Bageshwar:** Sama-10, Loharkhet-8
  - ✓ **Nagaland, Manipur, Mizoram & Tripura:** Gandachara(Aws) (Dist. Dhalai) 16 , Lawngtlai Agri (Dist Lawngtlai ) 13 , Chawgnu Aws( Dist.) 11 , A/P Arg (Dist. West Tripura) 10, Agartala A/P (Dist. West Tripura) 10 ,Met Agartala (Aws) (Dist. West Tripura) 10 , Amarpur (Dist. Gomati) 08 , Kvk South (Dist. South Tripua) 08, Saiha (Dist Saiha) 08, Lunglei Agri (Dist Lunglei ) 08 , Saiha Agri (Dist. Saiha) 08, Sabroom (Dist. South Tripua ) 07 , Saiha Aws (Dist. Saiha) 07, , Sipahijala(Aws) (Dist. Sipahijala) 07
  - ✓ **Assam & Meghalaya:** Mawsynram (Dist East Khasi Hills) 14 , Sohra Arg (Dist. East Khasi Hills) 12, Bokajan (Dist Karbi Anglong ) 11, Pynursla (Dist. East Khasi Hills ) 11 , Borapathar (Dist. ) 09, Bokajan Arg (Dist. Karbi Anglong) 09, Mawkyrat (Dist.South West Khasi Hills ) 07
  - ✓ **Sub-Himalaya West Bengal & Sikkim:** South Dinajpur-12, Darzeeling-10, Jalpaiguri-9, Malda-8
  - ✓ **Himachal Pradesh:** Kangra-5
  - ✓ **East Uttar Pradesh:** Kakerdarighat (dist Shrawasti) 4,

# Annexure II





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

1. Bihar on 08<sup>th</sup> & 09<sup>th</sup> August;
2. Nagaland, Manipur, Mizoram & Tripura and Assam & Meghalaya on 08<sup>th</sup> August
3. Uttarakhand on 09<sup>th</sup> & 10<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	 NO WARNING
 Heavy Snow	 Heat Wave	 WATCH(BE UPDATED)
 Thunderstorms & Lightning	 Cold wave	 ALERT (BE PREPARED)
 Hailstorm	 Fog	 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>	
	High Risk (Take Action)
	Moderate Risk (Be Prepared)
	Low Risk (Be Updated)