



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

**Press Release
Date: 27th August, 2023
Time of Issue: 1315 hours IST**

**Subject: (i) Heavy to very heavy rainfall spell likely to continue over Arunachal Pradesh and Assam & Meghalaya on 27th and 28th August.
(ii) Subdued rainfall activity likely over rest parts of the country during next 5 days.**

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

- ❖ The western end of the **Monsoon Trough** continues to run along the foothills of the Himalayas. It is likely to remain to the north of its normal position during next 5 days. The eastern end of the monsoon trough passes through Gorakhpur, Darbhanga, Balurghat and thence eastwards to Manipur.
- ❖ A **cyclonic circulation** lies over west Assam in lower tropospheric levels.

Weather Forecast and Warnings: (Annexure II)

Northeast India: Light/moderate fairly widespread to widespread rainfall/thunderstorm & lightning with isolated **heavy rainfall** activity very likely over the region during next 5 days.

Isolated very heavy rainfall also likely over Arunachal Pradesh on 27th and Assam & Meghalaya on 27th & 28th August, 2023 with extremely heavy falls on 27th August over Assam & Meghalaya.

East India: Light/moderate fairly widespread to widespread rainfall/thunderstorm & lightning with **isolated heavy rainfall** activity very likely over Sub-Himalayan West Bengal & Sikkim on 27th; over Andaman & Nicobar Islands on 28th & 29th August 2023.

South India: Light/moderate scattered with isolated **heavy rainfall** activity very likely over north Tamil Nadu, Puducherry & Karaikal on 27th August, 2023.

Subdued rainfall activity likely over rest parts of the country during next 5 days.

Hot and Humid weather likely to prevail over Kerala and adjoining Tamil Nadu during next 3 days.

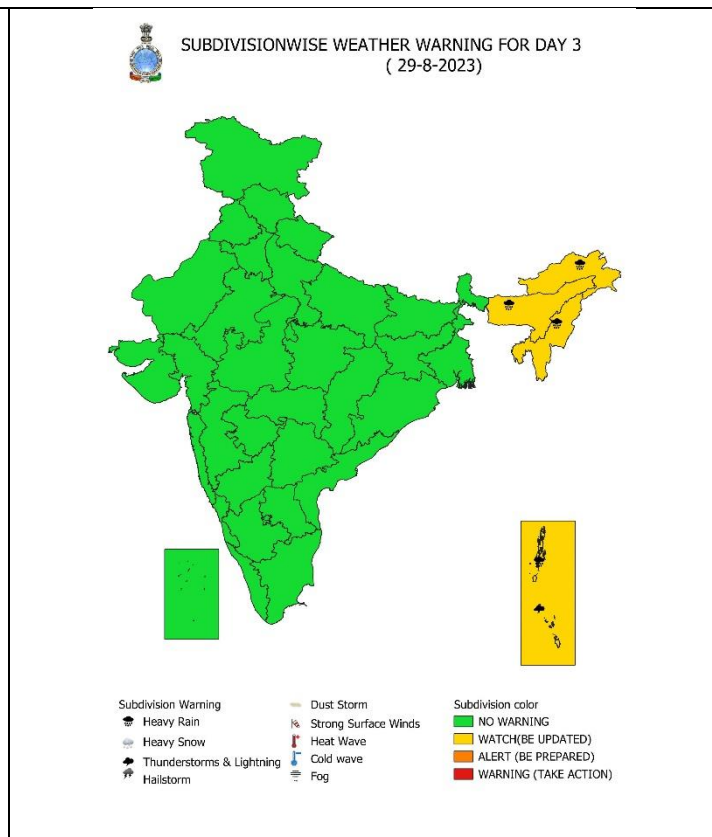
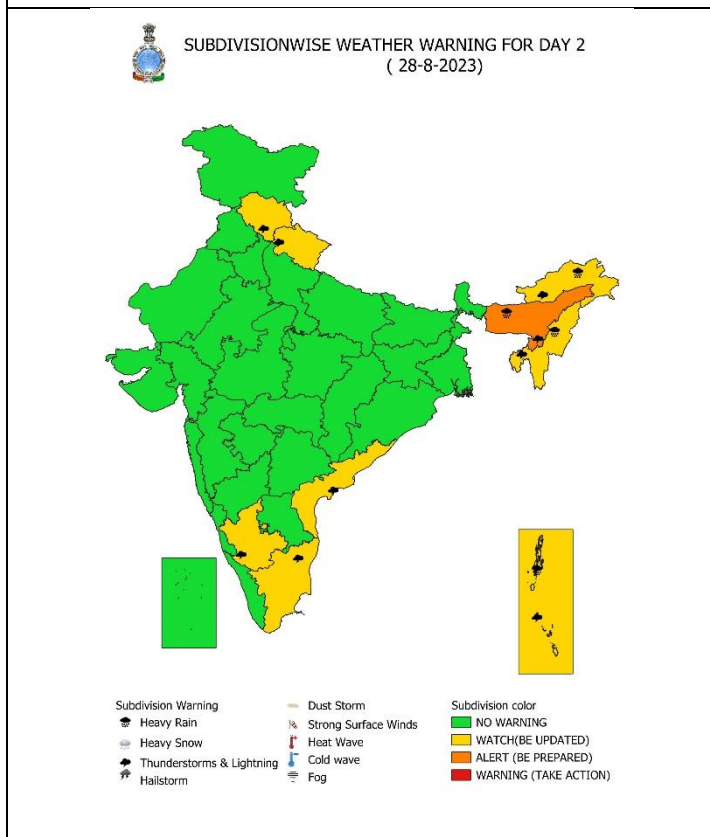
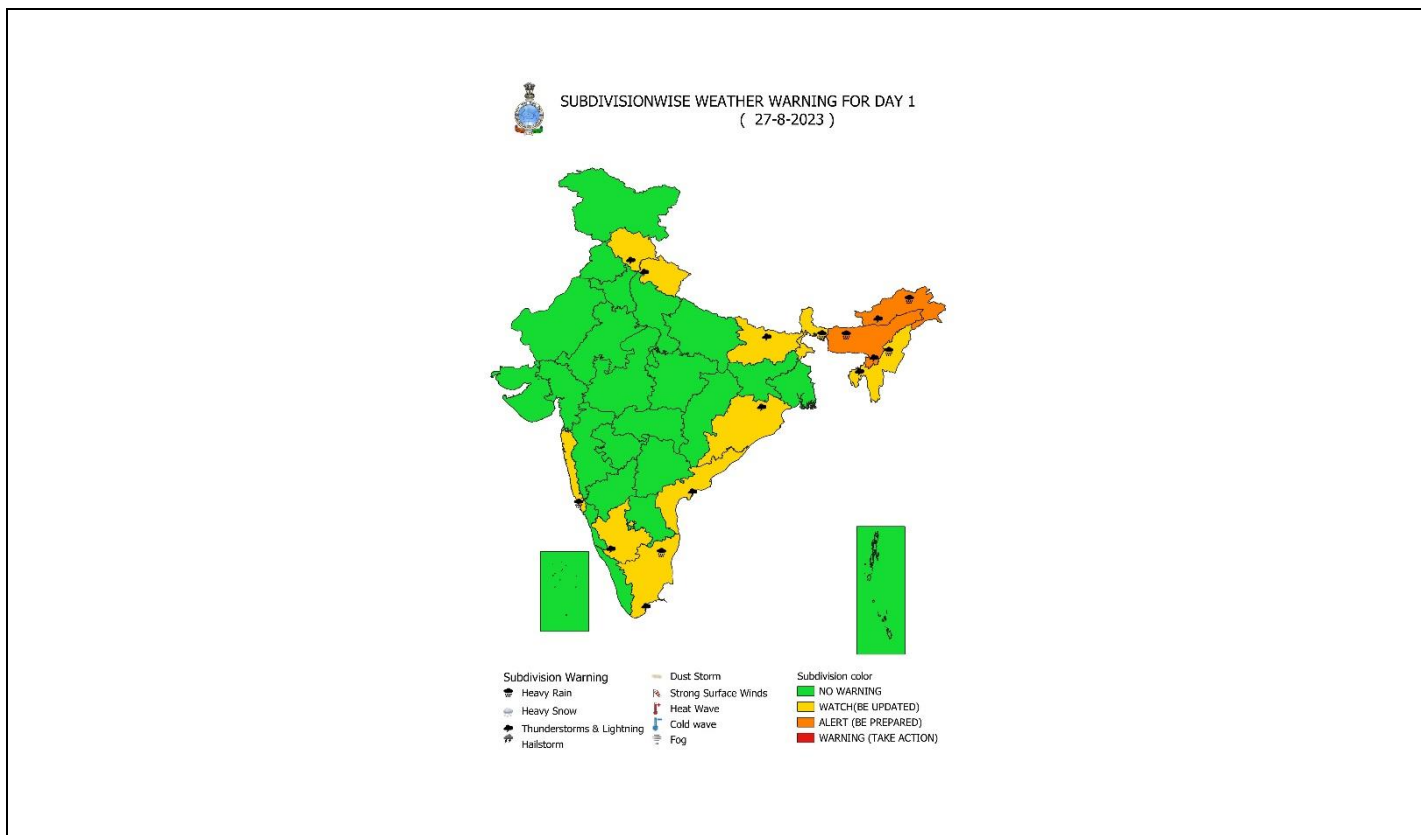
For more details kindly refer:

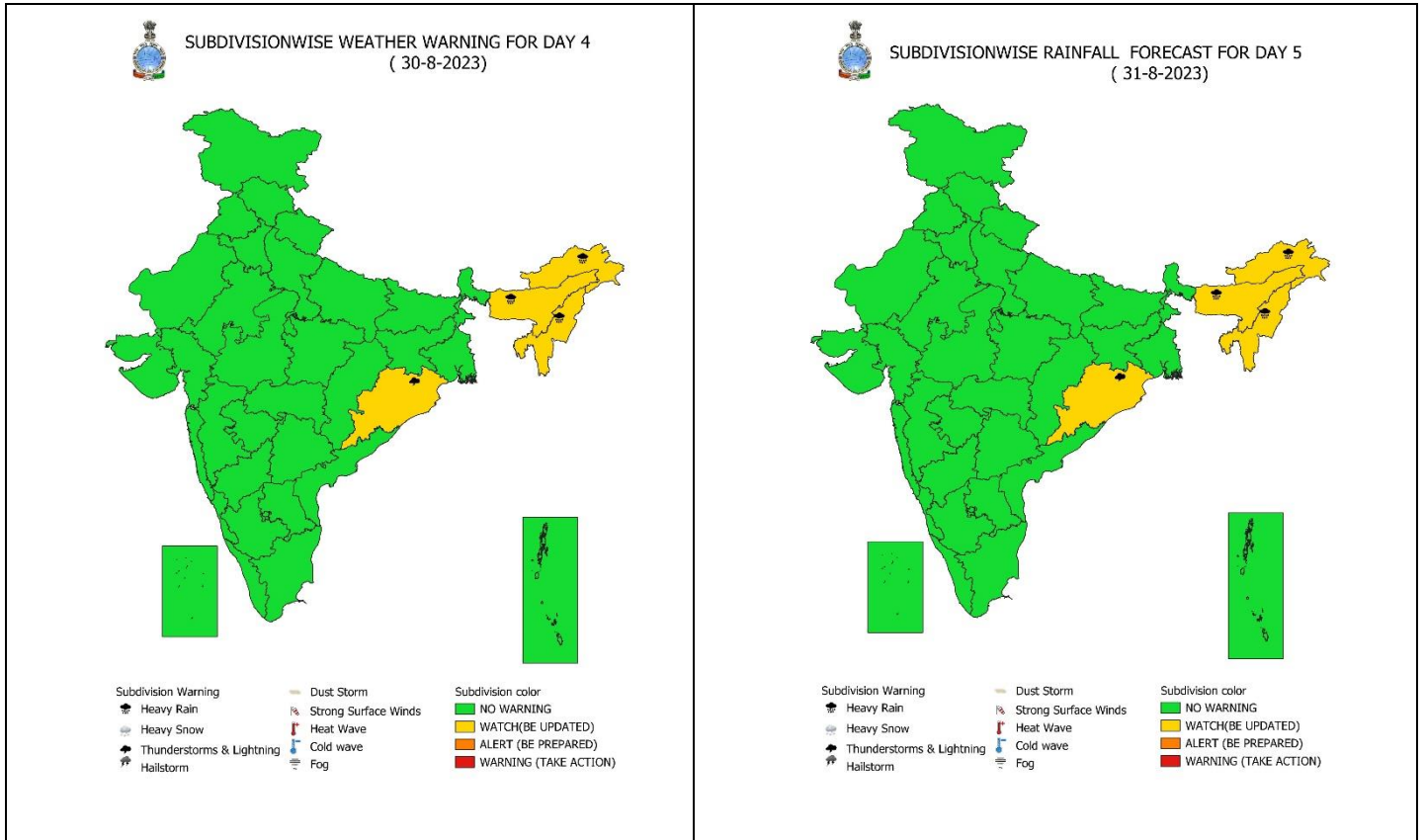
https://mausam.imd.gov.in/responsive/all_india_forecast_bulletin.php

Rainfall observations: (from 0830 hours IST of yesterday to 0830 hours IST of today, the 27th August, 2023):

- **Extremely heavy rainfall occurred at isolated places over Assam & Meghalaya; very heavy rainfall** at isolated places over Bihar, Arunachal Pradesh and **heavy rainfall** at isolated places over Nagaland, Manipur, Mizoram & Tripura, Tamil Nadu, Puducherry & Karaikal, Sub-Himalaya West Bengal & Sikkim.
- **Significant rainfall recorded (in cm):**
 - ✓ **Assam & Meghalaya:** MAWSynram (Dist. East Khasi Hills) 38 ,Sohra RKM (Dist. East Khasi Hills) 29, Sohra ARG (Dist. East Khasi Hills) 26 , Mawphlang (Dist. East Khasi Hills) 18, Pynursla (Dist. East Khasi Hills) 17 Mawkyrwat (Dist. South Khasi Hills) 17 Sohra (Dist. East Khasi Hills) 17 ,Khata Laitkroh ARG (Dist. East Khasi Hills) 16 , Beki-Mathangiri (Dist. Barpeta) 13 ,Mawryngngeng ARG (Dist. East Khasi Hills) 12 , A P Ghat (Dist. Cachar) 10 ,Shillong (Dist East Khasi Hills) 10 , Chouldhowaghat (Dist. Lakhimpur) 10 , Williamnagar (Dist. East Garo Hills) 10 ,Tamulpur (Dist. Baska) 09 , Laban (Dist.East Khasi Hills) 09, Sibsagar (Dist.Sibsagar) 09 ,Barpeta (Dist. Barpeta) 09, Khliehriat (Dist. East Jantia Hills) 09 , Manas N H Xing (Dist.Bongaigaon) 09 ,Panbari (Dist. Chirang) 09 ,Umiam AWS (Dist.Ri Bhoi) 09 , Silchar Jns College(Dist. Cachar) 08, Khliehriat (Dist. East Jaintia Hills) 08 ,Nehu ARG (Dist. East Khasi Hills)08 , Nongstoin AWS(Dist. West Khasi Hills) 08 , Bahalpur (Dist. Dhubri) 08 , Beki-Rd-Bridge(Dist. Barpeta) 08 ,Tikrikilla (Dist. West Garo Hills) 08. Baghmara (Dist. South Garo Hills) 07 ,Barapani (Dist. East Khasi Hills) 07 , N.Lakhimpur(Dist. Lakhimpur) 07 , Dhubri Kvk AWS (Dist. Dhubri) 09 , Goalpara (Dist. Goalpara) 08 , Goalpara AWS(Dist. Goalpara) 08 , Hazuwa (Dist.) 08 , Goibergaon (Dist.) 07, Chouldwaghat (Dist. Chouldwaghat) 07 , Ranganadi Nt Xing (Dist.Lakhimpur) 07, Basistha (Dist. Kamrup) 07;
 - ✓ **Bihar:** Gaunaha (dist West Champaran) 16, Birpur (dist Supaul) 14, Forbesganj (dist Araria) 13, Sikta (dist West Champaran) 12, Bhimnagar (dist Supaul) 11, Tribeni/balmikinagar (dist West Champaran) 10, Ramnagar (dist West Champaran) 9, Sikti (dist Araria) 8, Dighalbank (dist Kishanganj) 7, Narpatganj (dist Araria) 7, Jokihat (dist Araria) 7, Lalbegiaghat (dist East Champaran) 6, Tedhagach (dist Kishanganj) 6, Bettiah (dist West Champaran) 5, Jainagar (dist Madhubani) 5, Lauria Nandangarh (dist West Champaran) 5, Sugauli (dist East Champaran) 5, Araria (dist Araria) 5, Kishanganj (dist Kishanganj) 5;
 - ✓ **Arunachal Pradesh:** Nacho AWS (Dist.Upper Subansiri) 15, Yupia Phed (Dist. Papumpare) 08, Itanagar(Dist. Papumpare) 07, Dollonmukh (Dist. Lower Subansiri) 07, Sijon AWS (Dist. Upper Siang) 07;
 - ✓ **Nagaland, Manipur, Mizoram & Tripura:** Sabroom (Dist. South Tripura) 10 , Kailasahar (Dist.Unakoti) 08, Amarpur (Dist.Gomati) 07 , Belonia (Dist. South Tripura) 07 Kvk Dhalai (Dist. Dhalai) 07;
 - ✓ **Tamil Nadu, Puducherry & Karaikal:** Poondi (dist Tiruvallur) 9, Ponnai Dam (dist Vellore) 7, R.K.Pet (dist Tiruvallur), Kaveripakkam (dist Ranipet) 6 each, Cholavaram (dist Tiruvallur), Panapakkam (dist Ranipet), Pallipattu (dist Tiruvallur), Ammoor (dist Ranipet), Tiruttani (dist Tiruvallur), Thiruvalangadu (dist Tiruvallur), Kancheepuram (dist Kancheepuram), Valasaravakkam (dist Chennai), Manali (dist Chennai) 5 each;
 - ✓ **Sub-Himalaya West Bengal & Sikkim:** Gangarampur-7, Barobisha-6, Sankosh-5, hutanghat, Raiganj, KumARGram-4;
 - ✓ **Konkan & Goa:** Sudhagad Pali (dist Raigad) 6, Shahapur (dist Thane) 6, Mangaon (dist Raigad) 5, Murbad (dist Thane) 5, Alibag - Imd Part Time (dist Raigad) 5;
 - ✓ **Madhya Maharashtra:** Lonavala_agri (dist Pune) 6;
 - ✓ **Odisha:** Kashinagar (dist Gajapati) 6;
 - ✓ **Gangetic West Bengal:** Sabang: 6;
 - ✓ **Telangana:** Manuguru (dist B. Kothagudem) 6;
 - ✓ **Chhattisgarh:** Orcha (dist Narayanpur) 5;
 - ✓ **Rayalaseema:** Pakala (dist Tirupati) 5, Venkatagiri Kota (dist Chittoor) 5;
 - ✓ **North Interior Karnataka:** Sindhanur (dist Raichur) 5;
 - ✓ **Uttarakhand:** Sama (dist. Bageshwar) 5;

Obsy: Observatory; **AWS:** Automatic Weather Station; **dist:** District; **NH:** National Highway;**KVK:** Krishi Vigyan Kendra; **DVC:** Damodar Valley Corporation





Impact & Action Suggested due to very heavy/extremely heavy rainfall over Assam & Meghalaya on 27th & 28th and over Arunachal Pradesh on 27th August, 2023.

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.
- ❖ **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.

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

Flash Flood Risk	
	High Risk (Take Action)
	Moderate Risk (Be Prepared)
	Low Risk (Be Updated)