



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

Press Release.

Date: 08th October, 2023

Time of Issue: 1300 hours IST

Subject: Heavy to very heavy rainfall likely to continue over Meghalaya during next 24 hours and reduction thereafter

Rainfall recorded during past 24 hours ending at 0830 hours IST of today, the 07th October, 2023 is given in [Annexure I](#):

Withdrawal of Southwest Monsoon: (Annexure III)

- ❖ Conditions are becoming favourable for further withdrawal of Southwest Monsoon from remaining parts of East Uttar Pradesh, East Madhya Pradesh; some parts of Bihar, Jharkhand, Gangetic West Bengal, Odisha, Chhattisgarh, Telangana; and some more parts of Maharashtra and Central Arabian Sea during next 2 days.

Significant Weather features:

- ❖ A north-south trough runs from Sikkim to north coastal Odisha across central parts of Bangladesh in lower tropospheric levels.
- ❖ Another trough runs from central parts of Chhattisgarh to south Tamil Nadu across Telangana and interior Karnataka in lower tropospheric levels.

Weather warnings for next 5 days (Graphics in Annexure II)

Northeast India: Light to moderate rainfall at many places with isolated **heavy rainfall** accompanied with thunderstorm & lightning very likely over Arunachal Pradesh and Assam & Meghalaya on 08th & 09th October and over Nagaland, Manipur, Mizoram & Tripura on 08th October and reduction thereafter. **Extremely heavy rainfall very likely at isolated places over Meghalaya on 08th October.**

East India: Light to moderate rainfall at many places with isolated **heavy rainfall** accompanied with thunderstorm & lightning very likely over Sub-Himalayan West Bengal & Sikkim on 08th & 09th October and reduction thereafter.

South India: Light to moderate rainfall at some places with isolated **heavy rainfall** accompanied with thunderstorm & lightning very likely over Tamil Nadu during 08th-11th; South Interior Karnataka during 08th-10th and Kerala during 09th-12th October.

Northwest India: Light rainfall at some places accompanied with thunderstorm & lightning at isolated places very likely over Himachal Pradesh and Uttarakhand on 09th October.

Central & West India: No significant weather over the region during next 5 days.

For more details kindly refer: https://mausam.imd.gov.in/responsive/all_india_forcast_bulletin.php

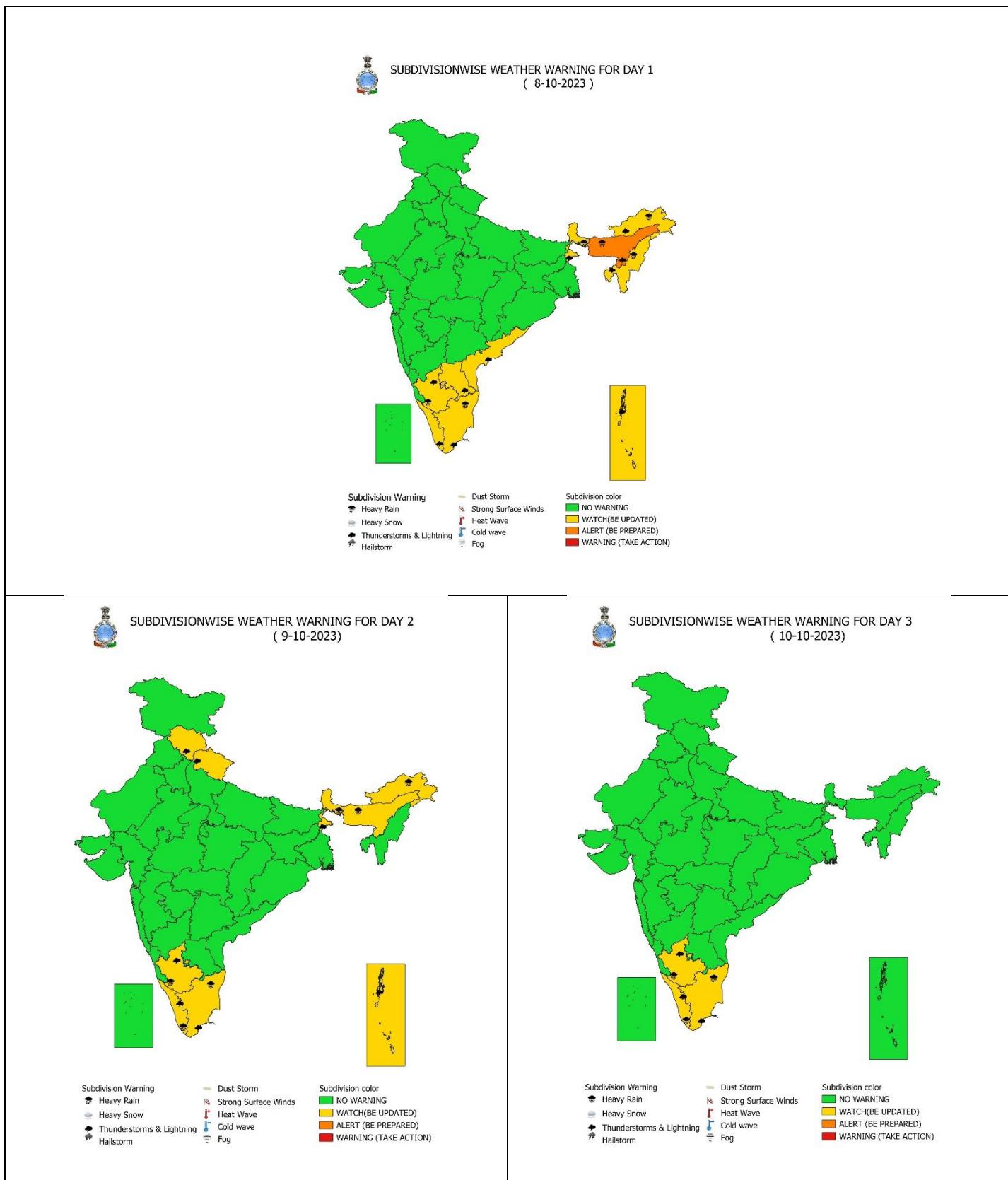
Annexure I

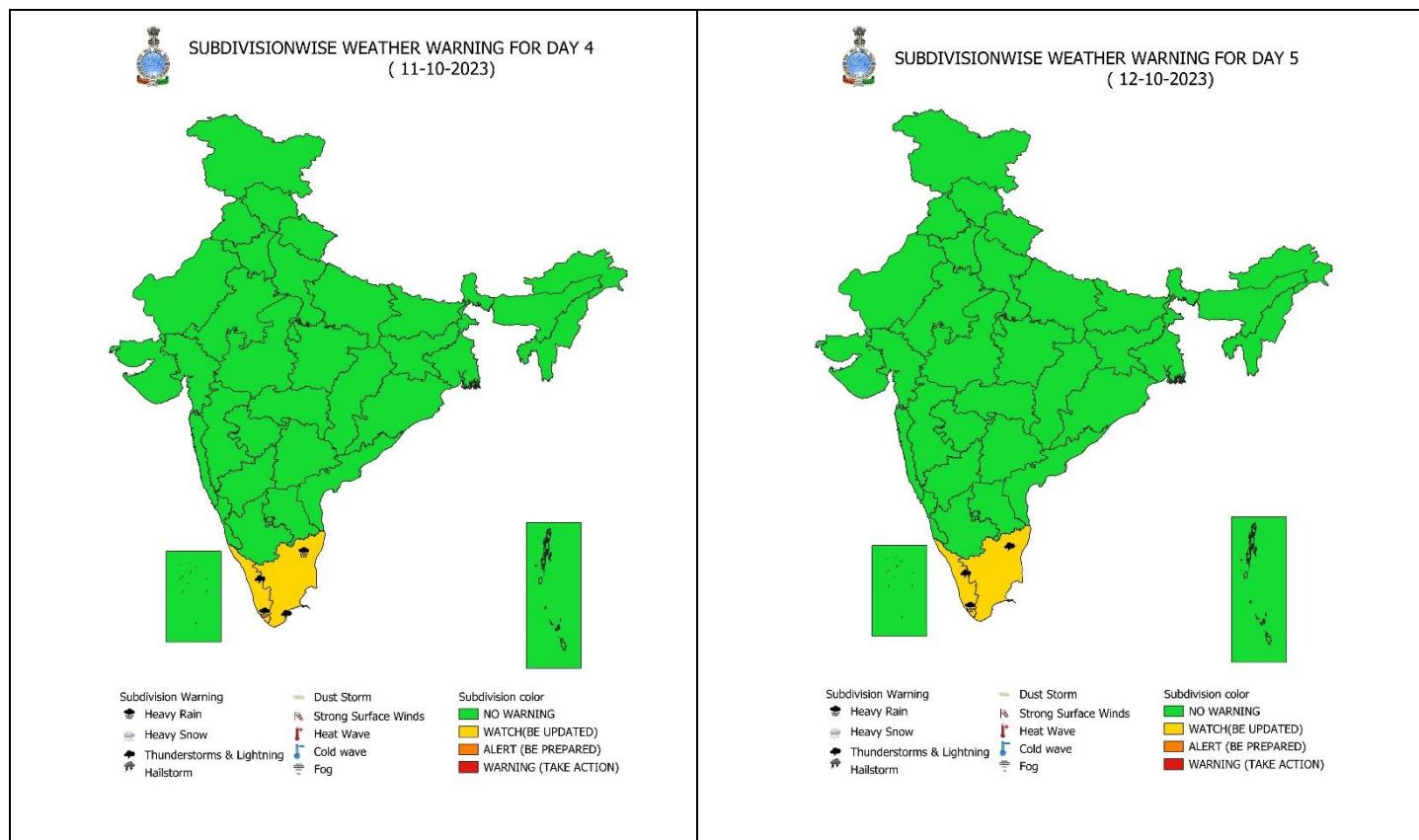
Rainfall observations: (from 0830 hours IST of yesterday to 0830 hours IST of today, the 08th October, 2023):

- ❖ **Heavy to very heavy rainfall at a few places with extremely heavy falls** at isolated places over Meghalaya and **heavy rainfall** at isolated places over Odisha, Sub-Himalayan West Bengal, Bihar, Tamil Nadu.
- ❖ **Significant rainfall recorded (in cm):**
 - **Meghalaya:** Pynursla (dist. East Khasi Hills-EKH) 25, Mawsynram (dist. EKH) 21, Sohra (dist. EKH) 19, RKM Sohra (dist. EKH) 19, Khliehriat (dist. East Jaintia Hills-EJH) 14, Khliehriat ARG (dist. EJH) 13, Mawkyrwat (dist. Southwest Khasi Hills-SWKH) 13, Mawphlang (dist. EKH) 9, Tura KVK (dist. West Garo Hills-WGH) 7.
 - **Odisha:** Rengali (dist Angul) 9, Rajghat (dist Balasore) 8.
 - **Sub-Himalayan West Bengal:** Rongo (dist Darjeeling) 7.
 - **Bihar:** Samastipur (dist Samastipur) 8.
 - **Tamilnadu:** Elumalai (dist Madurai) 10.

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

Annexure II





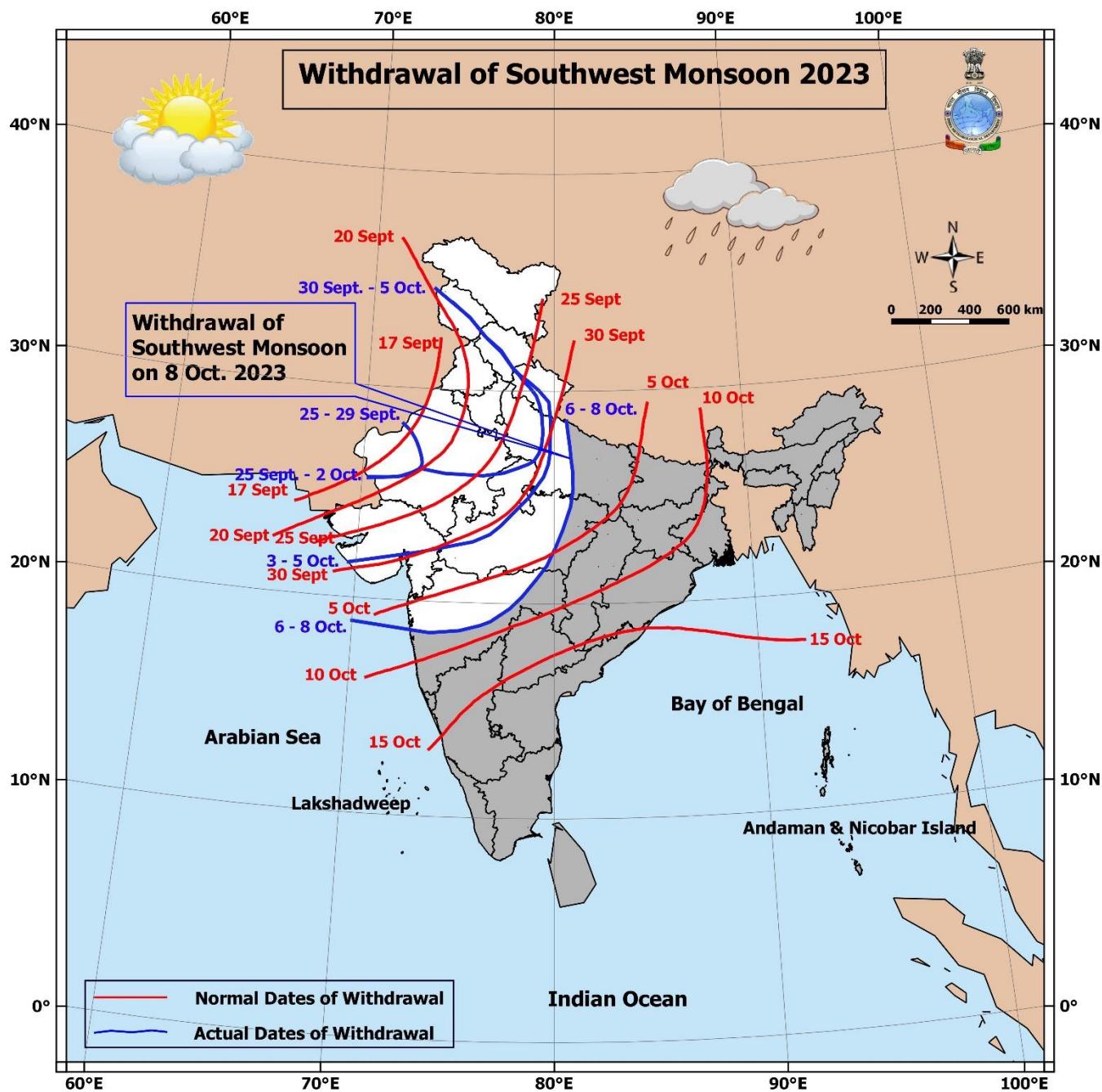
Impact & Action Suggested due to very heavy rainfall/extremely heavy rainfall over Meghalaya on 08th October, 2023.

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		Flash Flood Risk	
Terms	Probability of Occurrence (%)		
Unlikely	< 25		High Risk (Take Action)
Likely	25 - 50		Moderate Risk (Be Prepared)
Very Likely	50 - 75		Low Risk (Be Updated)
Most Likely	> 75		