



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

**Press Release.
Date: 07th October, 2023
Time of Issue: 1300 hours IST**

Subject: Significant reduction in rainfall activity over major parts of the country except Western Himalayan Region (Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand) and extreme southern peninsular India from today.

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 II)

❖ Conditions are favourable for further withdrawal of Southwest Monsoon from remaining parts of East Uttar Pradesh, East Madhya Pradesh; some parts of Bihar, Jharkhand, Odisha, Chhattisgarh, Telangana; and some more parts of Maharashtra and Central Arabian Sea during next 2-3 days.

Significant Weather features:

- ❖ A **cyclonic circulation** lies over central Parts of Bangladesh & neighbourhood and a trough runs in lower tropospheric levels from Manipur to east Bihar across the above cyclonic circulation.
- ❖ Under its influence light to moderate rainfall is likely at most places over Meghalaya and many places over remaining parts of Northeastern states with **isolated heavy rainfall** very likely over Meghalaya on 07th October and reduction thereafter. Isolated thunderstorm accompanied with lightning is also likely over above region on 07th October.

East India: Light to moderate rainfall at most places with thunderstorm & lightning and **heavy rainfall** at isolated places very likely over Andaman & Nicobar Islands on 07th October and reduction thereafter.

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

Northwest India: Light to moderate rainfall at some places with thunderstorm & lightning at isolated places very likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh and Uttarakhand on 09th & 10th October, 2023.

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

Weather warnings for next 5 days are given in Annexure III

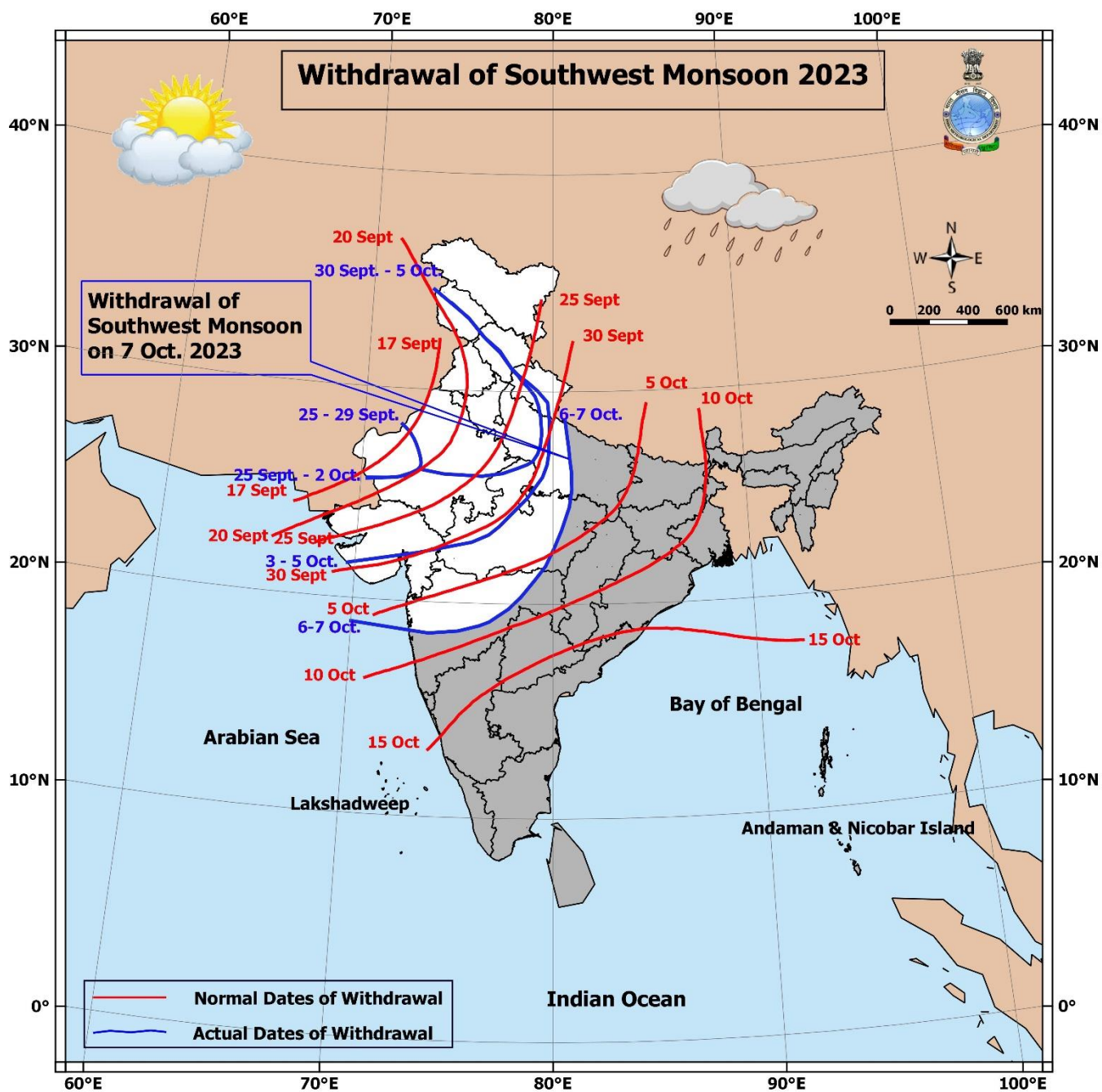
Flash Flood Guidance: Low to Moderate flash flood risk likely over few watersheds & neighbourhoods of Assam & Meghalaya met Subdivision. **(Kindly refer Annexure IV)**

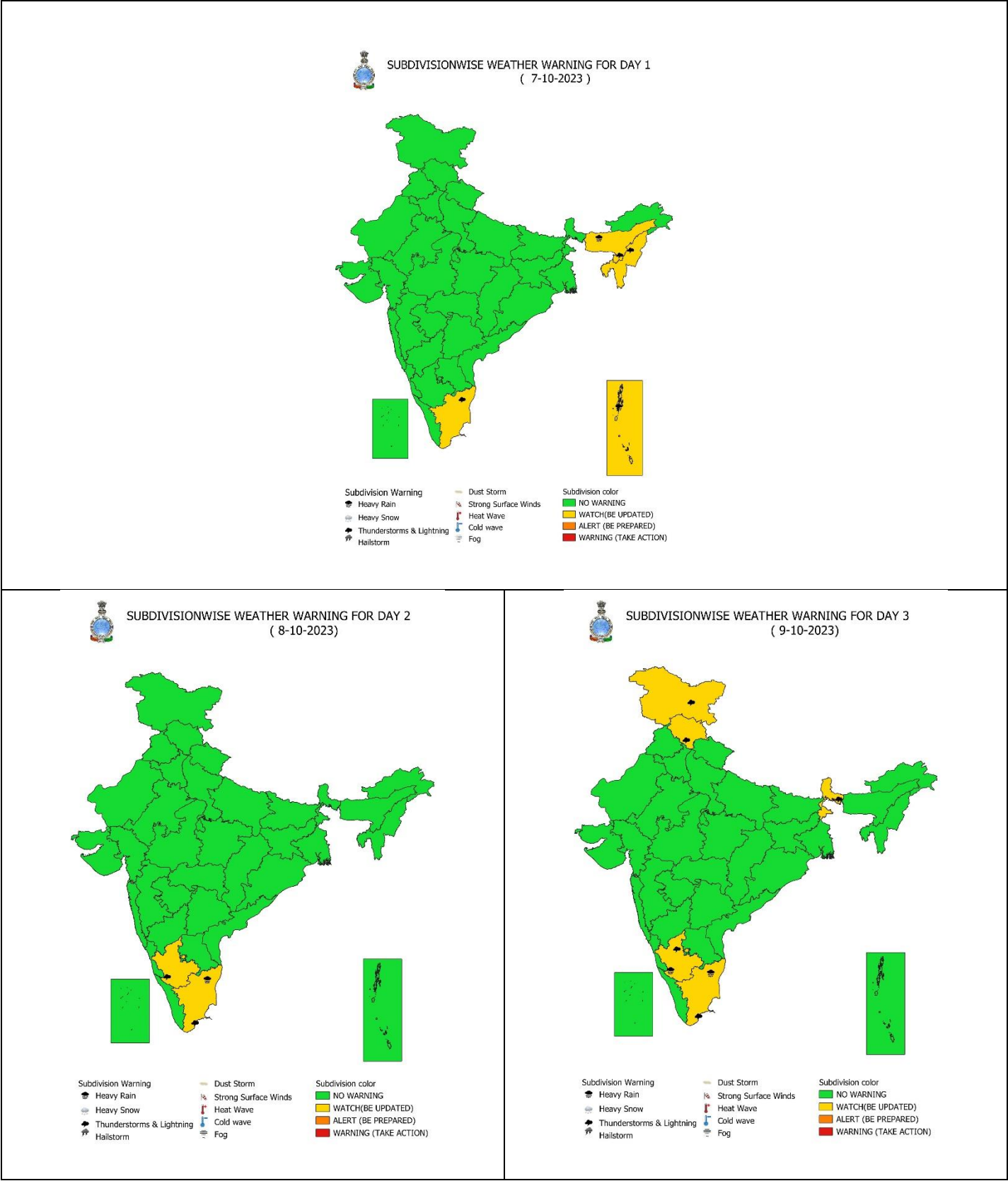
For more details kindly refer: https://mausam.imd.gov.in/responsive/all_india_forecast_bulletin.php

Rainfall observations: (from 0830 hours IST of yesterday to 0830 hours IST of today, the 07th October, 2023):

- ❖ **Heavy to very heavy rainfall at a few places with extremely heavy falls** at isolated places over Assam & Meghalaya and **heavy rainfall** at isolated places over Arunachal Pradesh and Odisha.
- ❖ **Significant rainfall recorded (in cm):**
 - ✓ **Assam & Meghalaya:** East Khasi Hills: Sohra-28, Shella- 27, Pynursla-15, Mawsynram-12.
 - ✓ **Arunachal Pradesh:** Pakke (Pakke Kasang)-8
 - ✓ **Odisha:** Tihidi (Bhadrak) 8, Bhadrak (Bhadrak) 6, Kutra (Sundargarh) 5, Ghasipura (Keonjargarh) 5,

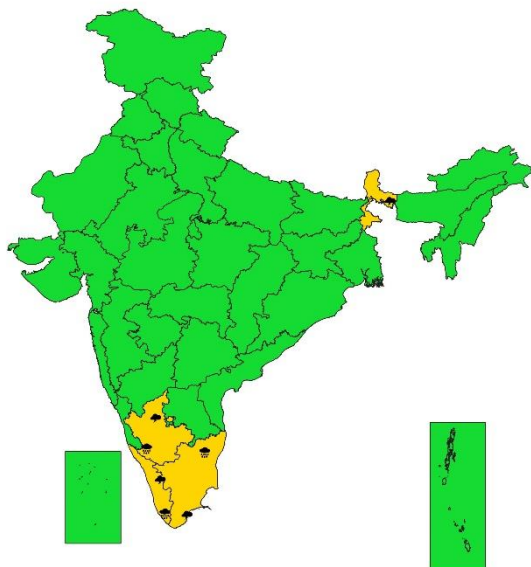
Obsy: Observatory; **AWS:** Automatic Weather Station; **dist:** District; **NH:** National Highway; **KVK:** Krishi Vigyan Kendra; **DVC:** Damodar Valley Corporation







SUBDIVISIONWISE WEATHER WARNING FOR DAY 4
(10-10-2023)



Subdivision Warning

- Heavy Rain
- Heavy Snow
- Thunderstorms & Lightning
- Hailstorm

Dust Storm

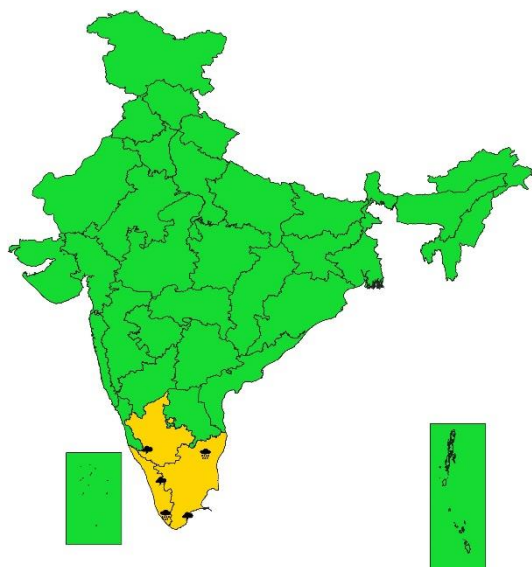
- Strong Surface Winds
- Heat Wave
- Cold wave
- Fog

Subdivision color

- NO WARNING
- WATCH(BE UPDATED)
- ALERT (BE PREPARED)
- WARNING (TAKE ACTION)



SUBDIVISIONWISE WEATHER WARNING FOR DAY 5
(11-10-2023)



Subdivision Warning

- Heavy Rain
- Heavy Snow
- Thunderstorms & Lightning
- Hailstorm

Dust Storm

- Strong Surface Winds
- Heat Wave
- Cold wave
- Fog

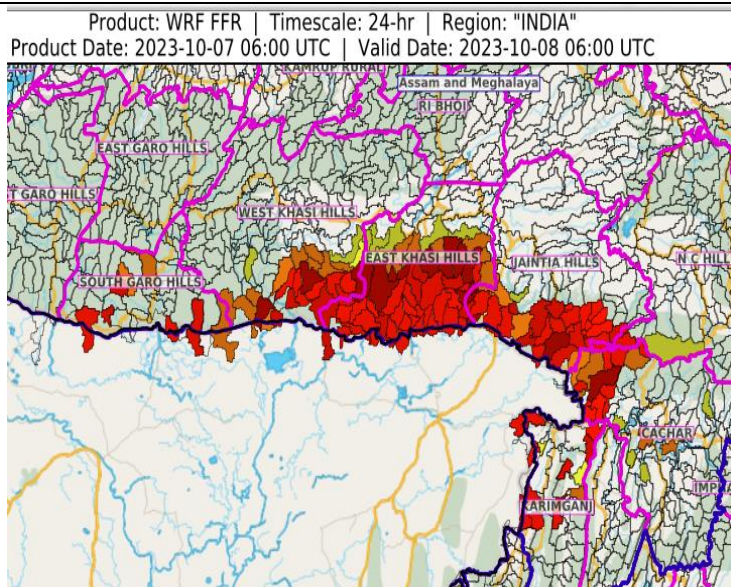
Subdivision color







- NO WARNING
- WATCH(BE UPDATED)
- ALERT (BE PREPARED)
- WARNING (TAKE ACTION)

24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 08-10-2023 :

Low to Moderate flash flood risk likely over few watersheds & neighborhoods of **East & West Khasi Hills, Jaintia Hills, South Garo Hills** of Meghalaya and **Karimganj and Cachar districts** of Assam.

Surface runoff/ Inundation may occur at some fully saturated soils & low-lying areas over **Area of Concern** as shown in map due to expected rainfall occurrence in next 24 hours.
















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




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)