



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

Press Release.

Date: 09th October, 2023

Time of Issue: 1230 hours IST

**Subject: 1) Southwest Monsoon has withdrawn from remaining parts of Northwest India; most parts of Central India & Maharashtra and some parts of East & north Peninsular India today, the 09th October, 2023.
2) Isolated Heavy rainfall very likely over South Interior Karnataka, Tamil Nadu and Kerala during next 3 days.**

Rainfall recorded during past 24 hours ending at 0830 hours IST of today, the 09th October, 2023 is given in Annexure I:

Withdrawal of Southwest Monsoon: (Annexure II)

- ❖ Southwest Monsoon has withdrawn from remaining parts of East Uttar Pradesh, East Madhya Pradesh; some parts of Bihar, Jharkhand, Chhattisgarh, Telangana & North Interior Karnataka; most parts of Maharashtra and some more parts of Central Arabian Sea today, the 09th October, 2023.
- ❖ The line of withdrawal of Southwest Monsoon now passes through 27.0°N/85.0°E, Raxaul, Daltonganj, Kanker, Ramagundam, Bijapur, Vengurla and 16.0°N/70.0°E.

Significant Weather features:

- ❖ A north-south trough runs from Sub-Himalayan West Bengal to north Odisha across Gangetic West Bengal in lower tropospheric levels.
- ❖ The Western Disturbance as a trough in westerlies in middle tropospheric levels runs along Long. 70°E to the north of Lat. 32°N.
- ❖ A trough runs from Rayalaseema to Comorin area across Tamil Nadu in lower tropospheric levels.
- ❖ A fresh Western Disturbance likely to affect Western Himalayan Region from 13th October, 2023.

Weather warnings for next 5 days: (Graphics in Annexure III)

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 09th October and reduction thereafter.

East India: Light to moderate rainfall at many places with very likely over Sub-Himalayan West Bengal & Sikkim during next 2 days 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, South Interior Karnataka and Kerala during 09th-11th October and reduction thereafter.

Northwest India: Light rainfall at some places accompanied with thunderstorm & lightning at isolated places very likely over Kashmir-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh and Uttarakhand on 09th & 10th and on 14th & 15th October.

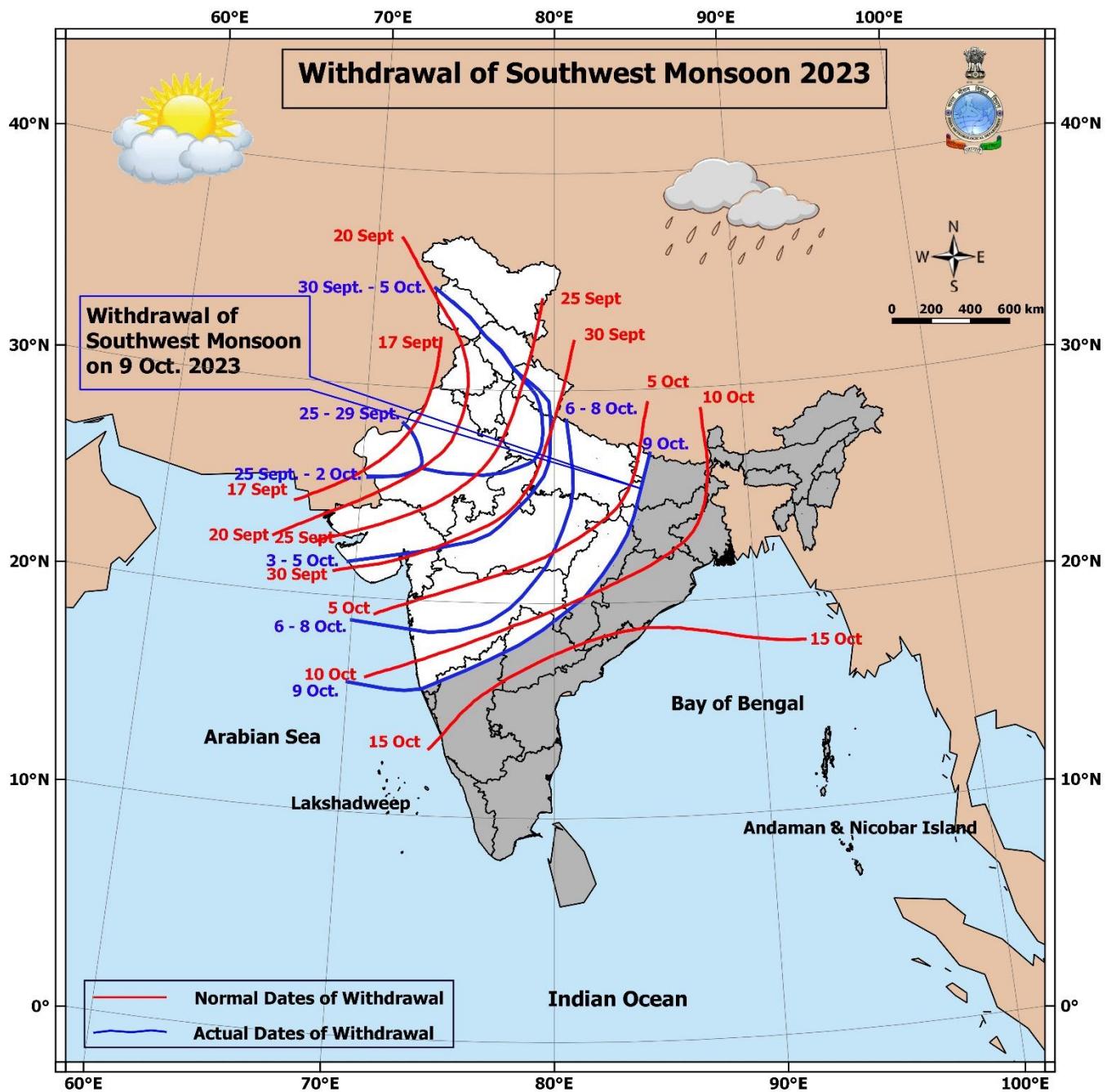
Central & West India: No significant weather over the regions during next 5 days.

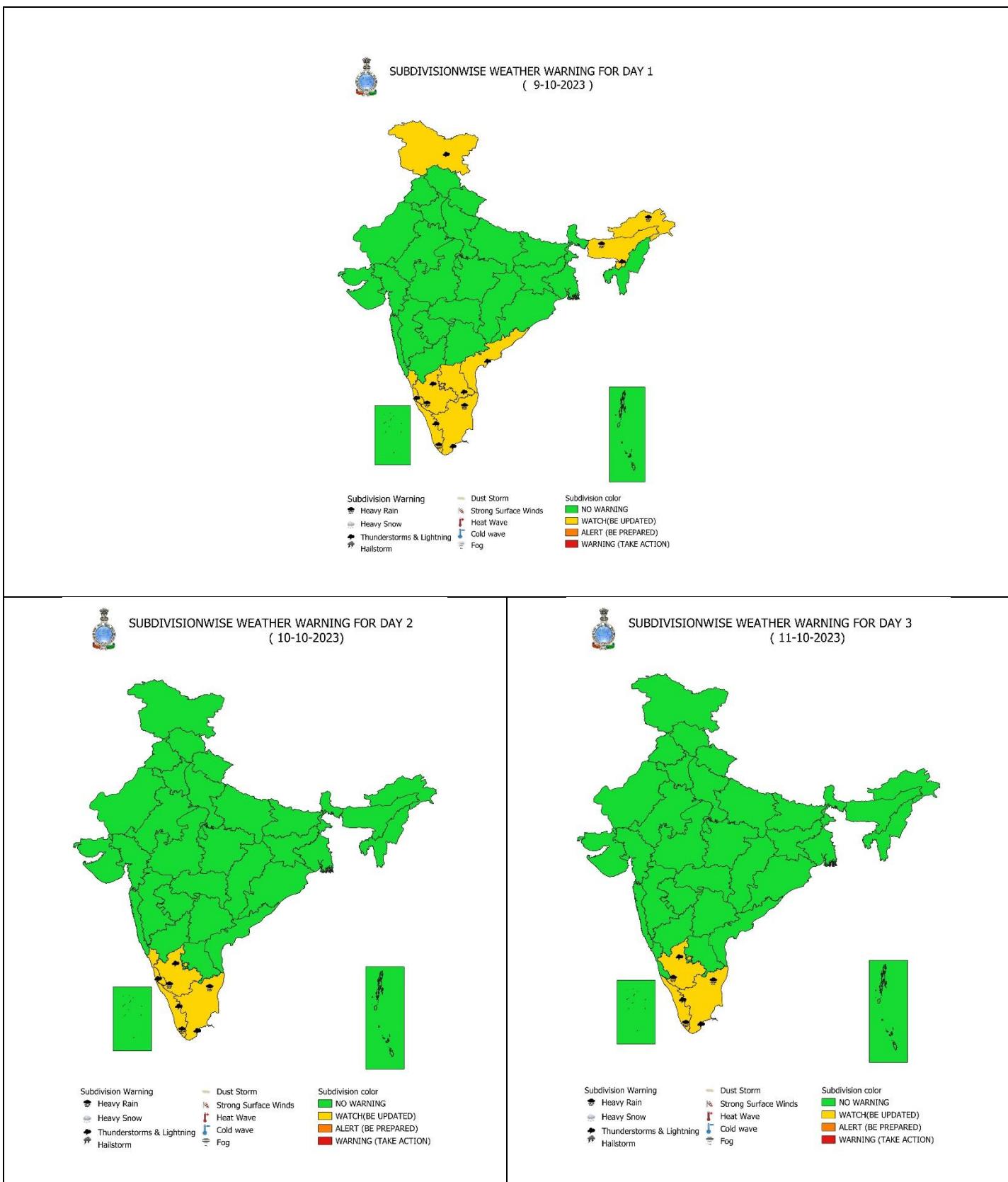
For more details kindly refer: https://mausam.imd.gov.in/responsive/all_india_forcast_bulletin.php

Rainfall observations: (from 0830 hours IST of yesterday to 0830 hours IST of today, the 09th October, 2023):

- ❖ **Heavy to very heavy rainfall** at isolated places over Assam **and heavy rainfall** at isolated places over Meghalaya and Sub-Himalayan West Bengal & Sikkim.
- ❖ **Significant rainfall recorded (in cm):**
 - **Assam & Meghalaya:** Chouldhowaghat (Dist: Lakhimpur) 12, Chouldhowaghat Arg (Dist: Lakhimpur) 12 , Mynkre_Substation (Dist: East Jaintia Hills) 10 , Pynursla (Dist: East Khasi Hills) 09 , Mawsynram (Dist: East Khasi Hills) 09 ,Sohra Rkm (Dist: East Khasi Hills) 09, Sohra (Dist: East Khasi Hills) 09 ,Panbari (Dist: Chirang) 08, North Lakhimpur (Dist: Lakhimpur) 07
 - **Sikkim:** Yuksom Arg- 10, Namthang- 8, Gyalsing Pto-6, Gyalsing Aaws-6, Mangan-5, Mangan Aws-5,
 - **Sub-Himalayan West Bengal:** Samsing- 7.

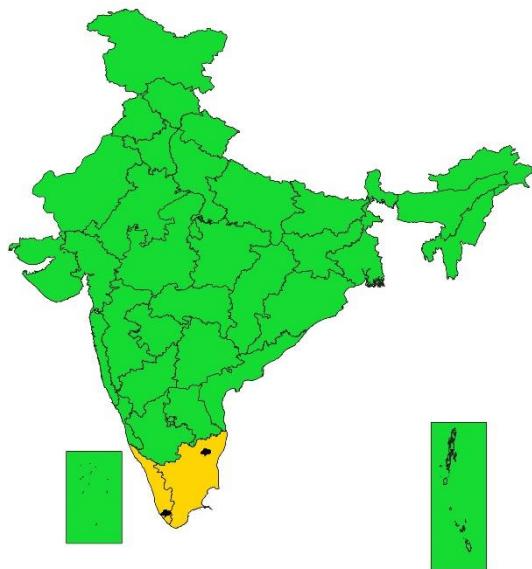
Obsy: Observatory; **AWS:** Automatic Weather Station; **dist:** District; **NH:** National Highway; **KVK:** Krishi Vigyan Kendra; **DVC:** Damodar Valley Corporation







SUBDIVISIONWISE WEATHER WARNING FOR DAY 4
(12-10-2023)



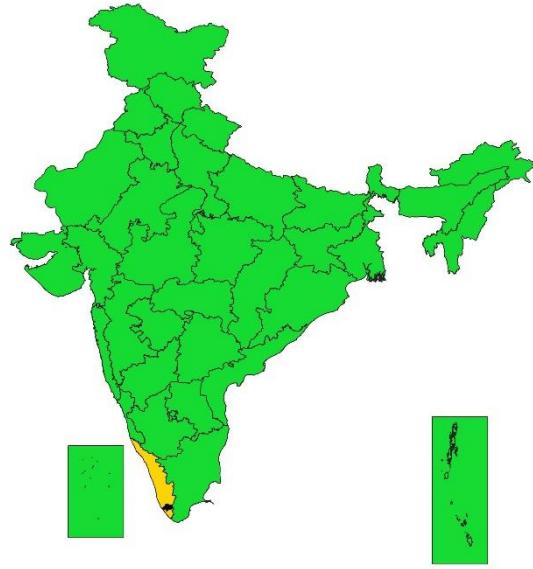
Subdivision Warning
Heavy Rain
Heavy Snow
Thunderstorms & Lightning
Hailstorm

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
(13-10-2023)



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)
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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

- 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)

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)