



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

Press Release.

Date: 10th October, 2023

Time of Issue: 1230 hours IST

Subject: 1) Isolated heavy rainfall very likely over South Interior Karnataka, Tamil Nadu and Kerala during next 2 days and reduction thereafter.

2) No significant weather likely over rest parts of the country during next 4-5 days.

Rainfall recorded during past 24 hours ending at 0830 hours IST of today, the 10th October, 2023 is given in Annexure I:

Withdrawal of Southwest Monsoon: (Annexure II)

❖ Conditions are favorable for further withdrawal of Southwest Monsoon from some more parts of Bihar, Jharkhand, Chhattisgarh; some parts of Gangetic West Bengal & Odisha; some more parts of Karnataka and remaining parts of Telangana, Maharashtra and Central Arabia Sea during next 2-3 days.

Significant Weather features:

❖ A Western Disturbance seen as a cyclonic circulation over Jammu & adjoining Pakistan with trough aloft roughly along Long. 72°E to the north of Lat. 32°N.
❖ A cyclonic circulation lies over Sub-Himalayan West Bengal in lower tropospheric levels.
❖ A fresh Western Disturbance likely to affect Western Himalayan Region and adjoining plains from 13th October, 2023.

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

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 on 10th & 11th October and reduction thereafter.

Northwest India: Light to moderate rainfall at some places accompanied with thunderstorm & lightning at isolated places very likely over Kashmir-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh and Uttarakhand on 10th and during 13th-15th October. Light rainfall at isolated places over Punjab, North Haryana on 14th & 15th October, 2023.

Northeast India: Light to moderate rainfall at many places accompanied with thunderstorm & lightning very likely over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura on 10th October and reduction thereafter.

East India: Light to moderate rainfall at many places very likely over Sub-Himalayan West Bengal during next 24 hours and reduction thereafter. A few spells of light to moderate rainfall/thundershowers over Sikkim towards afternoon/evening.

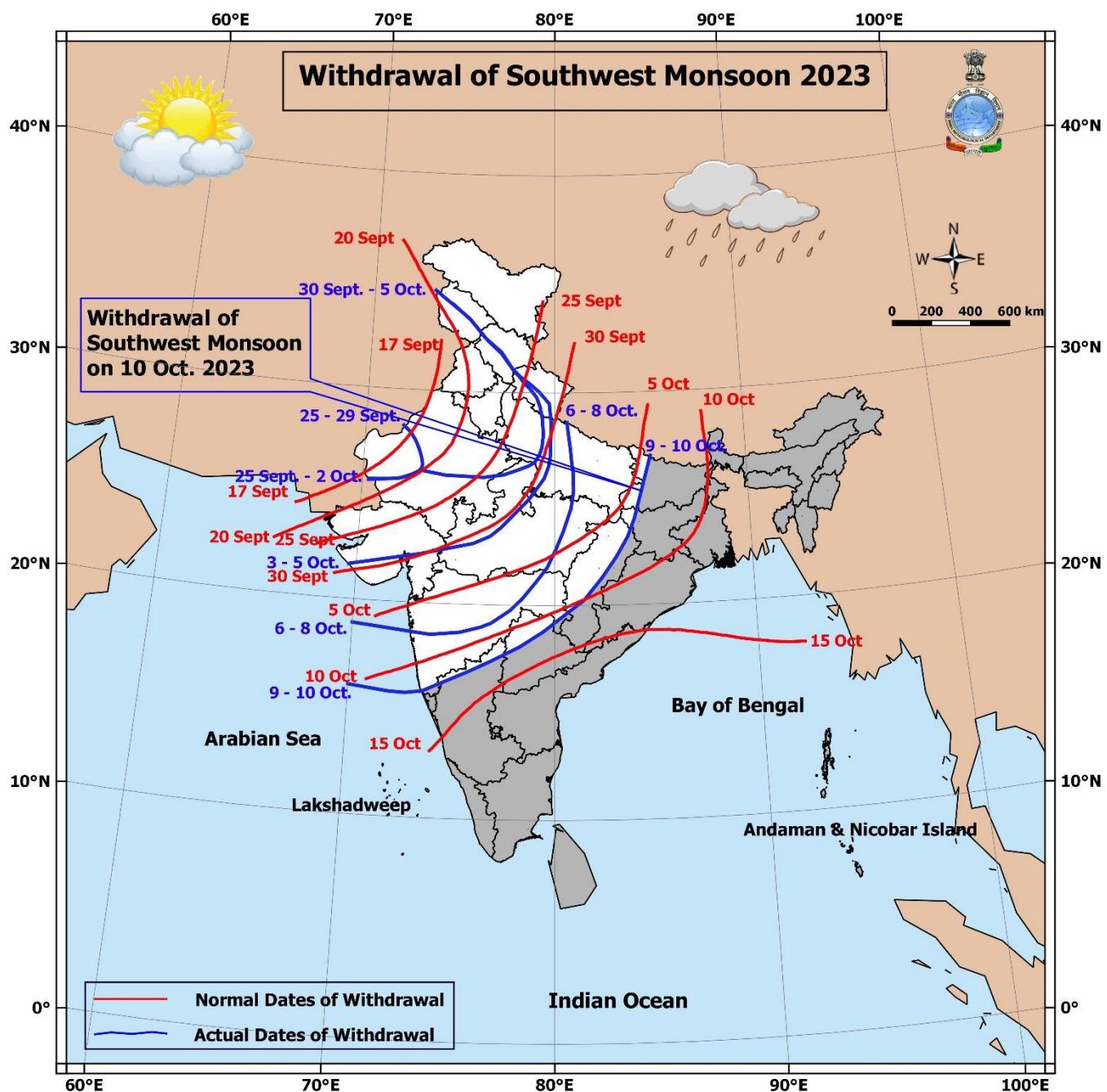
Central & West India: No significant weather over the regions during next 5 days.

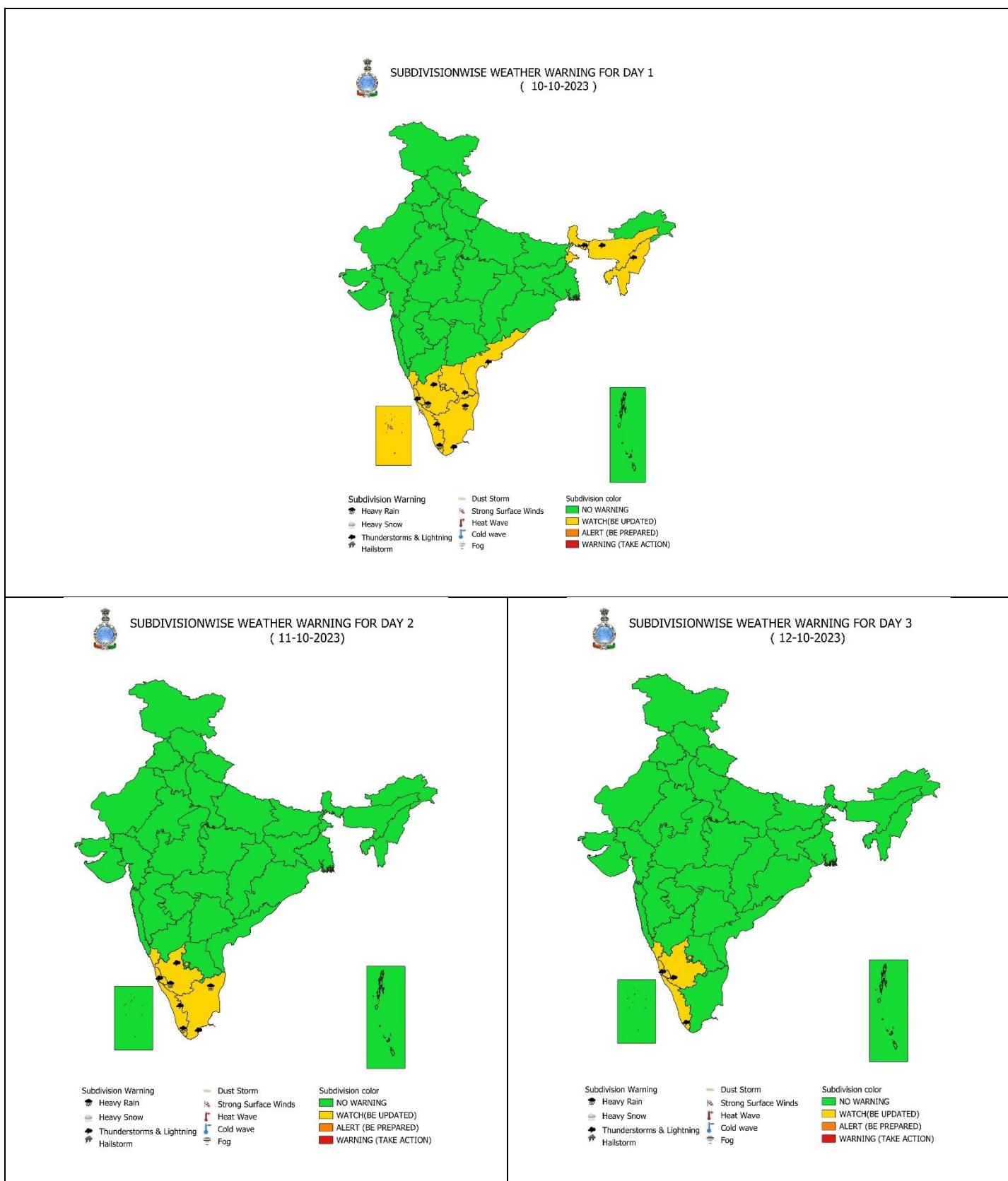
For more details kindly refer: https://mausam.imd.gov.in/responsive/all_india_forcast_bulletin.php

Rainfall observations: (from 0830 hours IST of yesterday to 0830 hours IST of today, the 10th October, 2023):

- ❖ **Heavy rainfall** at isolated places over Tamil Nadu.
- ❖ **Significant rainfall recorded (in cm):**
 - **Tamil Nadu:** Tiruppur: Collector Office-11, Ramanathapuram: Tiruvadani-9, Coimbatore: Periyanaickenpalayam-9, Salem: Salem-8, Madurai: Sholavandan-7, Nilgiris: Coonoor -7

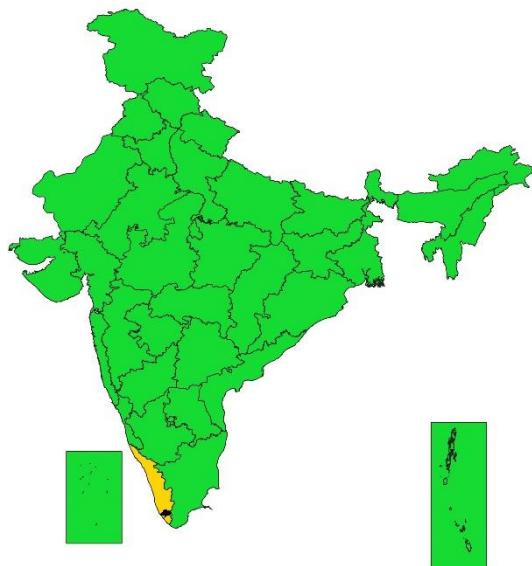
Obsy: Observatory; **AWS:** Automatic Weather Station; **dist:** District; **NH:** National Highway; **KVK:** Krishi Vigyan Kendra; **DVC:** Damodar Valley Corporation







SUBDIVISIONWISE WEATHER WARNING FOR DAY 4
(13-10-2023)

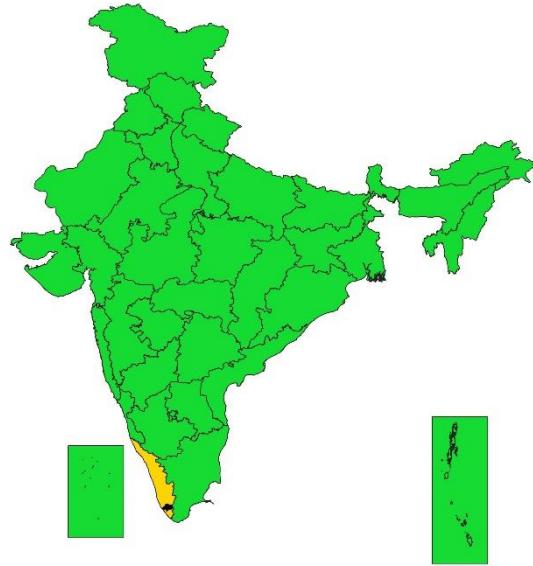


Subdivision Warning	Subdivision color
Heavy Rain	Dust Storm
Heavy Snow	Strong Surface Winds
Thunderstorms & Lightning	Heat Wave
Hailstorm	Cold wave
	Fog

Subdivision Warning	Subdivision color
Heavy Rain	NO WARNING
Heavy Snow	WATCH(BE UPDATED)
Thunderstorms & Lightning	ALERT (BE PREPARED)
Hailstorm	WARNING (TAKE ACTION)



SUBDIVISIONWISE WEATHER WARNING FOR DAY 5
(14-10-2023)



Subdivision Warning	Subdivision color
Heavy Rain	Dust Storm
Heavy Snow	Strong Surface Winds
Thunderstorms & Lightning	Heat Wave
Hailstorm	Cold wave
	Fog

Subdivision Warning	Subdivision color
Heavy Rain	NO WARNING
Heavy Snow	WATCH(BE UPDATED)
Thunderstorms & Lightning	ALERT (BE PREPARED)
Hailstorm	WARNING (TAKE ACTION)

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)