



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

Press Release.

Date: 12th October, 2023

Time of Issue: 1300 hours IST

Subject: 1) A fresh Western Disturbance is likely to affect Western Himalayan Region from 13th night and plains of Northwest India from 14th October.

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

Rainfall recorded during past 24 hours till 0830 hours IST of today, the 12th Oct, 2023: [Annexure I](#):

Withdrawal of Southwest Monsoon: (Annexure II)

❖ Conditions are favourable 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 days.

Significant Weather features:

- ❖ A cyclonic circulation lies over north Tamil Nadu & neighbourhood and a trough runs from this cyclonic circulation to Comorin area in lower tropospheric levels.
- ❖ A fresh Western Disturbance likely to affect Western Himalayan Region from 13th night and plains of northwest India from 14th 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 Coastal Karnataka on 12th October, over South Interior Karnataka on 12th & 16th October, over Tamil Nadu and Kerala on 12th, 13th and 16th October.

Northwest India: Light to moderate rainfall at some to many places accompanied with isolated thunderstorm & lightning very likely over Jammu-Kashmir-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh, Uttarakhand during 14th-16th October and over Punjab, Haryana, West Uttar Pradesh and East Rajasthan on 15th & 16th October.

Northeast India: Light to moderate rainfall at some places accompanied with thunderstorm & lightning very likely over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura on 12th October. **Heavy rainfall** very likely at isolated places over Mizoram & Tripura today.

East India: Light to moderate rainfall at isolated/some places very likely over Sub-Himalayan West Bengal during next 5 days and reduction thereafter. Light to moderate rainfall at many places very likely over Andaman & Nicobar Islands during next 5 days.

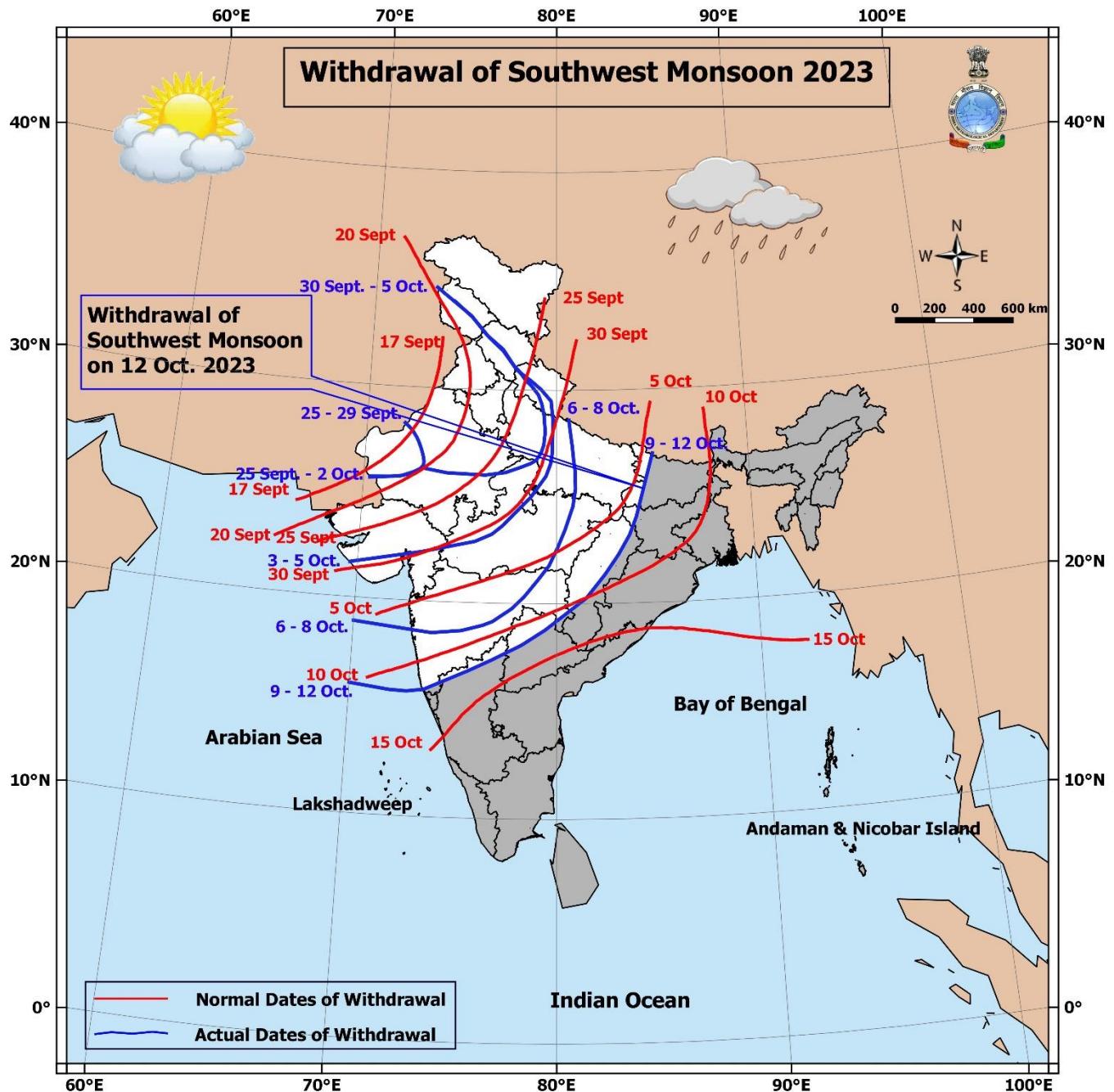
No significant weather over rest parts of the country during next 5 days.

For more details kindly refer: <https://mausam.imd.gov.in/responsive/all india forcast bulletin.php>

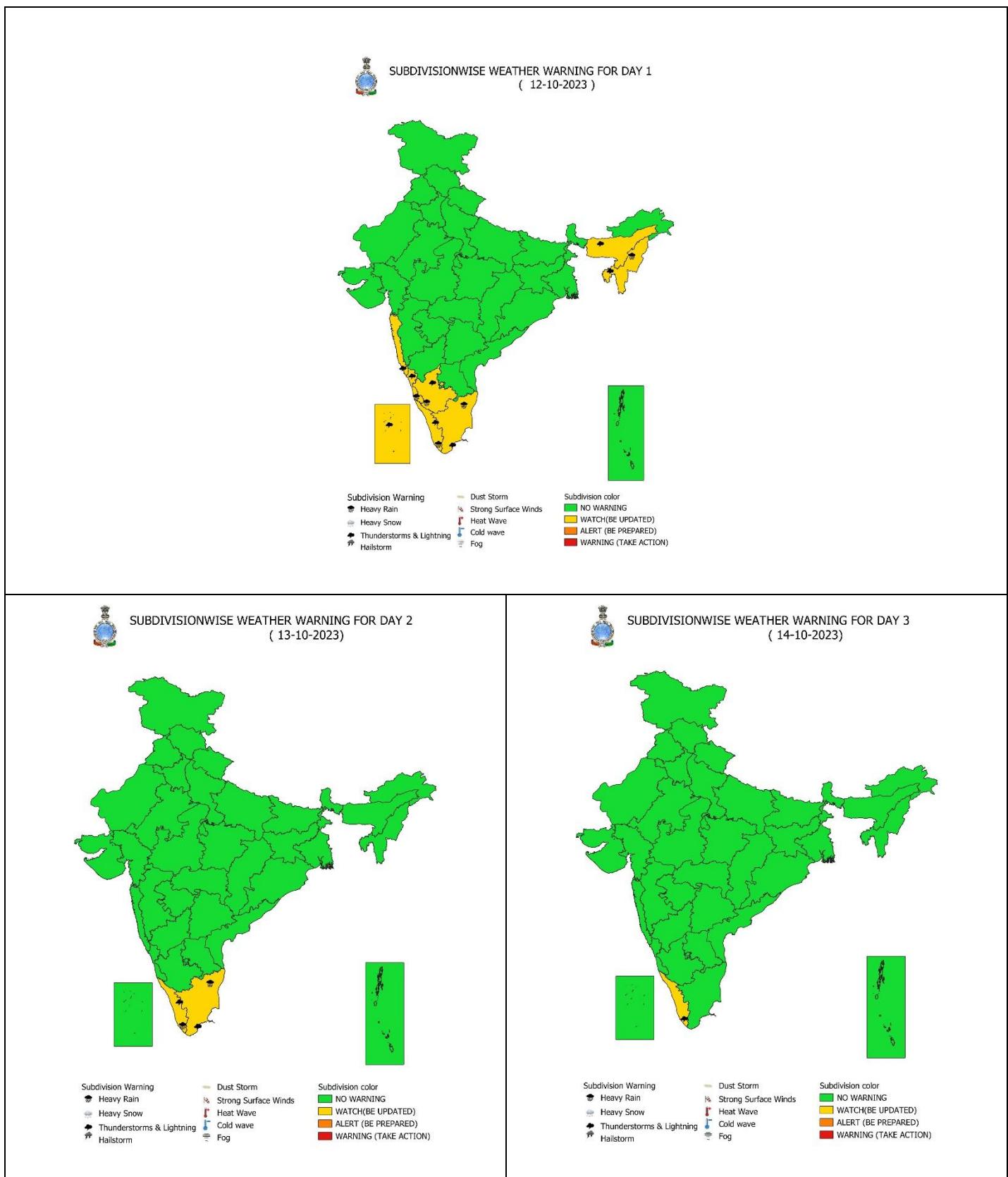
Rainfall observations: (from 0830 hours IST of yesterday to 0830 hours IST of today, the 12th October, 2023):

- ❖ **Heavy to very heavy rainfall** at isolated places over Tamil Nadu and Kerala **heavy rainfall** at isolated places over Sub-Himalayan West Bengal, Sikkim, Tripura and Coastal Karnataka.
- ❖ **Significant rainfall recorded (in cm):**
 - **Tamil Nadu:** Madurai City (Dist. Madurai) 12, Periyakulam (Dist. Theni) 8, Ponnamaravathi (Dist. Pudukkottai) 8.
 - **Kerala:** Neeleswaram ARG (Ernakulam district) 18, Vellarikkundu AWS (Kasaragod district) 10, Konni (Pathanamthitta district) 9 each, Thodupuzha (Idukki district) 8, Varkala (Thiruvananthapuram district) 7.
 - **Coastal Karnataka:** Dharmasthala (dist Dakshina Kannada) 8,
 - **Sub-Himalayan West Bengal, Sikkim:** Champasari Cwc- 7, Diana-5, Mangan Aws- 7, Mangan Pto- 7, Sankalan-6, Kabi-4, Singhik-4
 - **Tripura:** Khowai-7

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

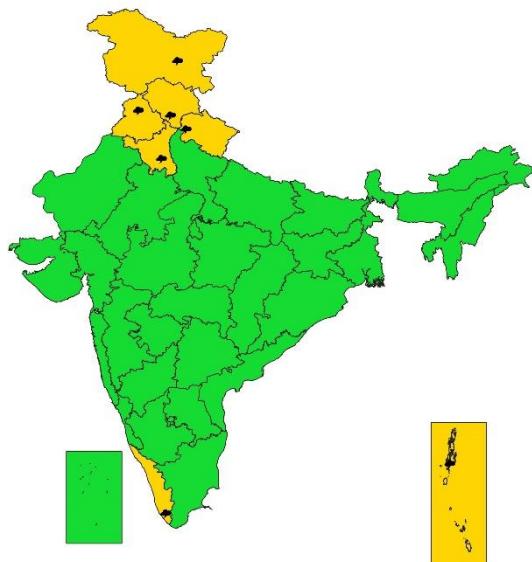


Annexure III





SUBDIVISIONWISE WEATHER WARNING FOR DAY 4
(15-10-2023)



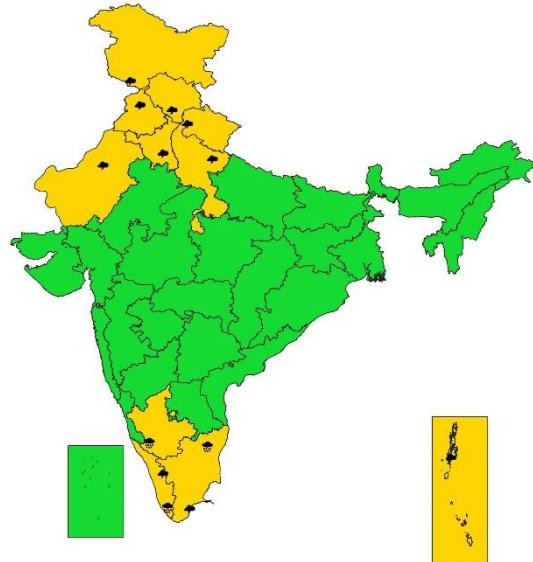
Subdivision Warning
Heavy Rain
Heavy Snow
Thunderstorms & Lightning
Hailstorm

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
(16-10-2023)



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)

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)	