



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

**Press Release
Date: 17th October, 2023
Time of Issue: 1300 hours IST**

Subject: 1) Wet spell likely to continue over Northwest India today, the 17th October and dry weather thereafter.

2) Southwest Monsoon has further withdrawn from entire East & Northeast India; some more parts of Andhra Pradesh and remaining parts of Telangana today, the 17th October, 2023.

**Rainfall recorded during past 24 hours till 0830 hours IST of today, the 17th Oct, 2023 (Annexure I)
Withdrawal of Southwest Monsoon: (Annexure II)**

- ❖ Southwest Monsoon has further withdrawn from remaining parts of Bihar, Sub-Himalayan West Bengal & Sikkim; entire Northeast India; most parts of north Bay of Bengal; some more parts of Central Bay of Bengal and Andhra Pradesh; remaining parts of Telangana today, the 17th October, 2023.
- ❖ The line of withdrawal of Southwest Monsoon now passes through 20.0°N/96.0°E, 17.0°N/91.5°E, Machilipatnam, Kurnool, Badami, Vengurla & 16.0°N/70.0°E.

Significant Weather features:

- The **Western Disturbance** as a cyclonic circulation over north Pakistan & neighbourhood persists in middle tropospheric levels and the **induced cyclonic circulation** lies over north Haryana & neighbourhood in lower tropospheric levels.
- The **cyclonic circulation** over Southeast Arabian Sea & adjoining Lakshadweep area extending upto 3.1 km above mean sea level persists. Under its influence, a low pressure area is likely to develop over Southeast & adjoining Eastcentral Arabian Sea during next 36 hours. It is likely to move further west-northwestwards and intensify into a depression over Central Arabian Sea around 21st October.
- A **cyclonic circulation** lies over Southeast Bay of Bengal & adjoining Andaman Sea extending upto 4.5 km above mean sea level. It is likely to move west-northwestwards and under its influence, a low pressure area is likely to form over Central parts of Bay of Bengal around 20th October.
- A **trough** runs from the above cyclonic circulation over Southeast Bay of Bengal & adjoining Andaman Sea to south coastal Tamil Nadu in lower & middle tropospheric levels.

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

Northwest India: Light to moderate rainfall at some/many places accompanied with isolated thunderstorm & lightning very likely over the entire region on 17th October and dry weather over the region from tomorrow.

South India: Light to moderate rainfall at some/many places with isolated **heavy rainfall** accompanied with thunderstorm & lightning very likely over Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe, South Interior Karnataka on 17th October.

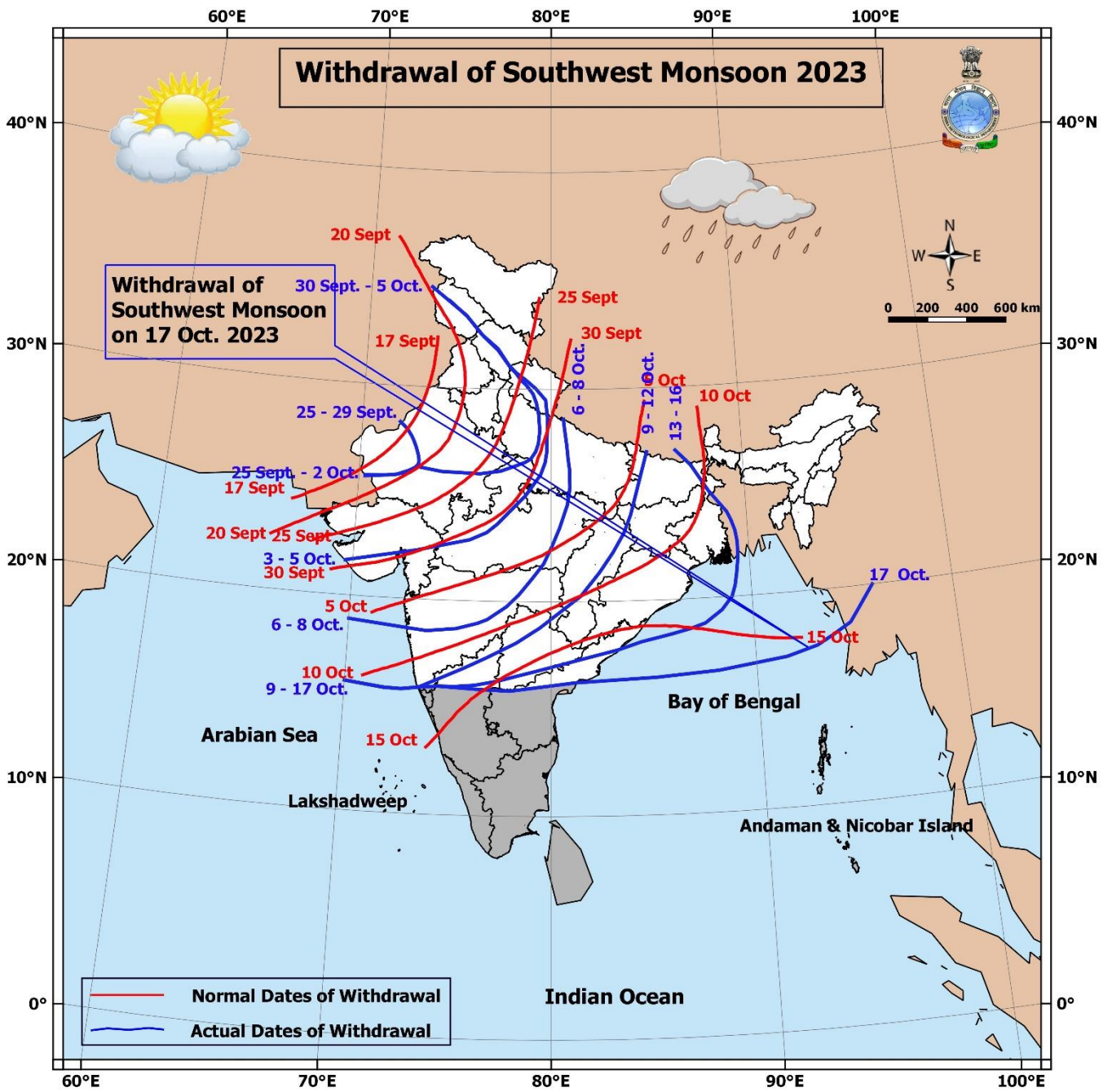
No significant weather over rest parts of the country during next 5 days.

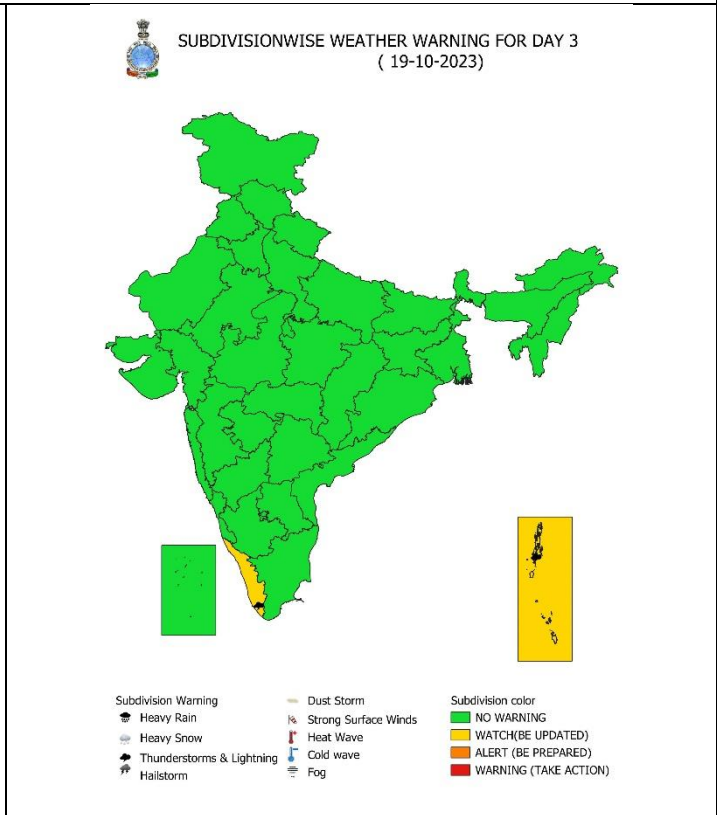
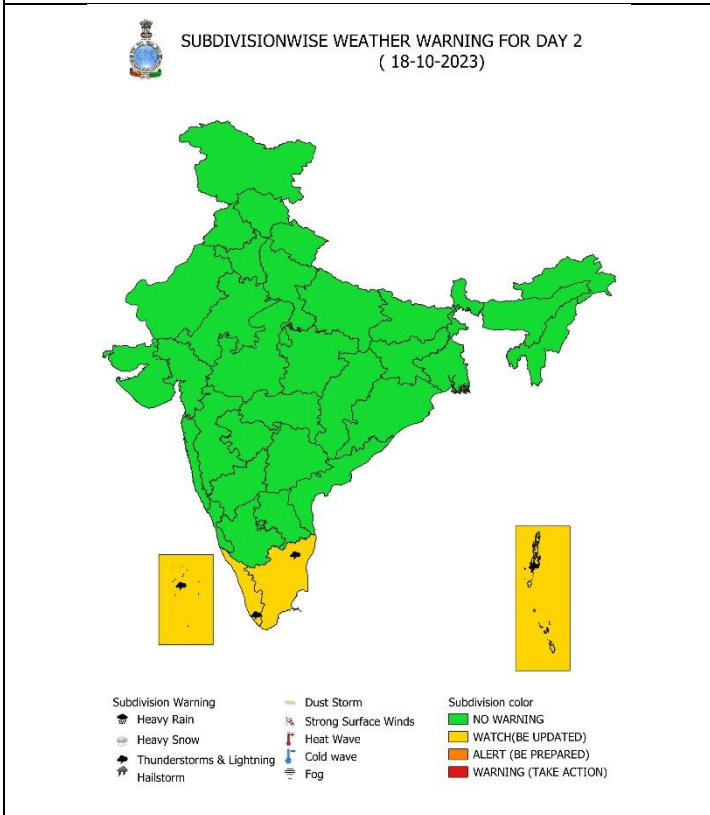
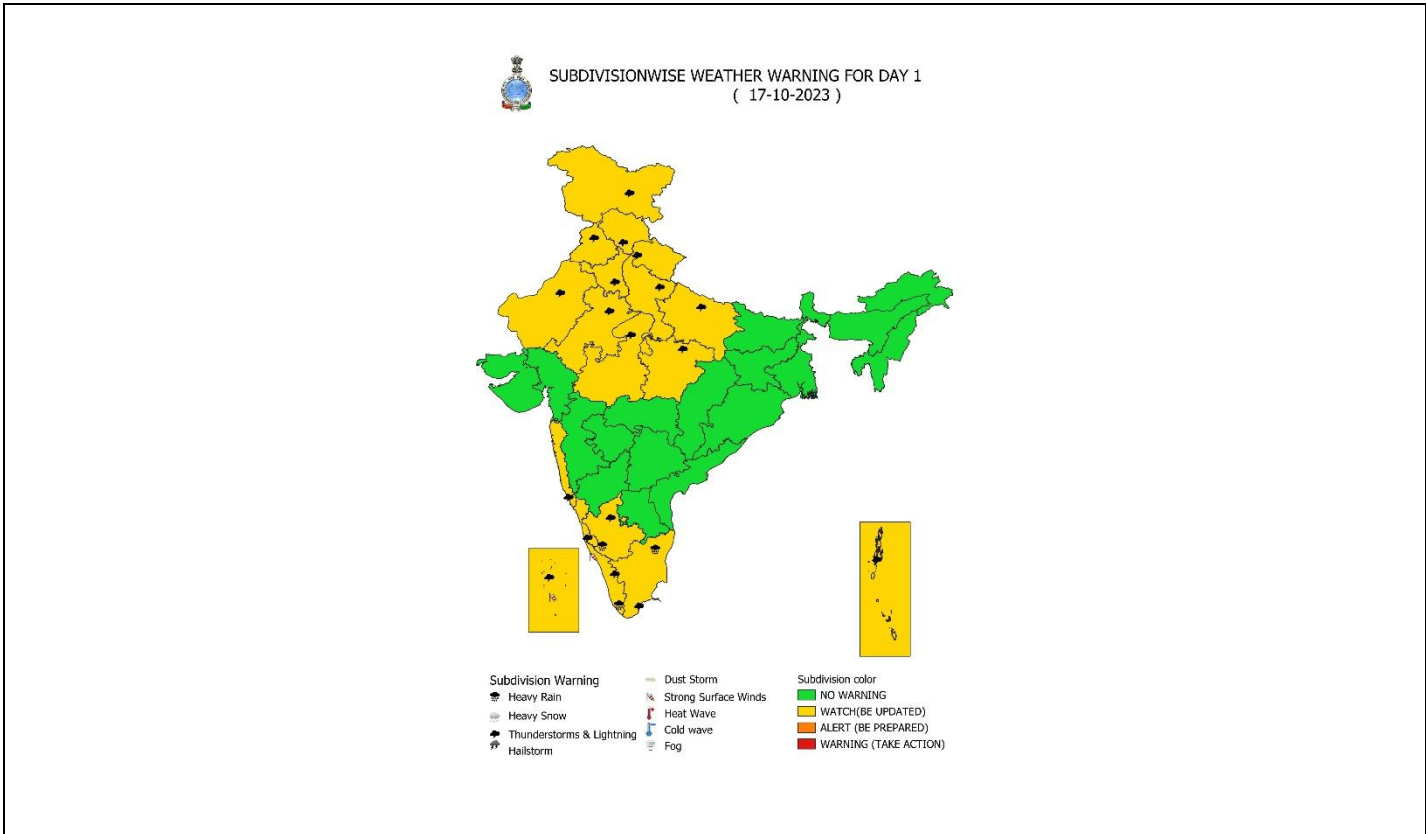
For more details kindly refer: https://mausam.imd.gov.in/responsive/all_india_forecast_bulletin.php

Rainfall observations: (from 0830 hours IST of yesterday to 0830 hours IST of today, the 17th October, 2023):

- ❖ **Heavy rainfall** recorded at isolated places over Jammu & Kashmir, Himachal Pradesh, West Rajasthan, West Uttar Pradesh, South Interior Karnataka, Tamil Nadu and Kerala.
- ❖ **Significant rainfall recorded (in cm):**
 - **Kerala:** Chemberi Aws (dist Cannur) 11, Urumi Aws (dist Kozhikode) 11, Munderi Aws (dist Malappuram) 7, Manjeri (dist Malappuram) 7,
 - **West Rajasthan:** Sankra (Jaisalmer) 10, Jaisalmer (dist Jaisalmer) 8, Pokhran (dist Jaisalmer) 8, Chandan (Jaisalmer) 8, Mohangarh (Jaisalmer) 7.
 - **Jammu & Kashmir:** Bhaderwah (dist. Doda) 9, Udhampur (dist. Udhampur) 9, Banihal & Govindpura (dist. Ramban) 8 each, Batote (dist. Ramban) 7
 - **Tamil Nadu:** Uppar dam (dist. Tiruppur) 8, Thirparappu (dist. Kanniyakumari) 8, Thammampatti (dist. Salem) 8, Kalial (dist. Kanniyakumari) 8, Tiruvadani (dist. Ramanathapuram) 8, Theerthandathanam (dist. Ramanathapuram) 8, Devakottai (dist. Sivagangai) 7, Sulur (dist. Coimbatore) 7, Coimbatore Airport (dist. Coimbatore) 7, Kilanilai (dist. Pudukkottai) 7, Thenparanadu (dist. Thiruchirappalli) 7
 - **Himachal Pradesh:** Dalhousi Alha Aws (dist Chamba) 8, Chuari (dist Chamba) 7,
 - **South Interior Karnataka:** Krishnarajpet (dist Mandya) 8, Virajpet (dist Kodagu) 6,
 - **West Uttar Pradesh:** Mirganj (dist Bareilly) 7, Pawayan (dist Shahjahanpur) 5, Bijnor (dist Bijnor) 5,

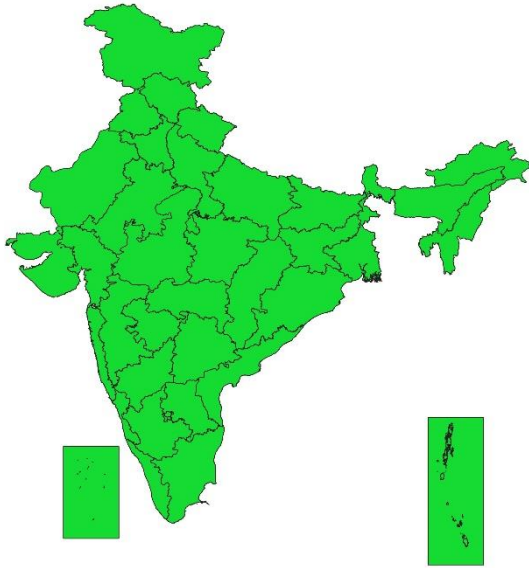
Obsy: Observatory; **AWS:** Automatic Weather Station; **dist:** District; **NH:** National Highway; **KVK:** Krishi Vigyan Kendra; **DVC:** Damodar Valley Corporation







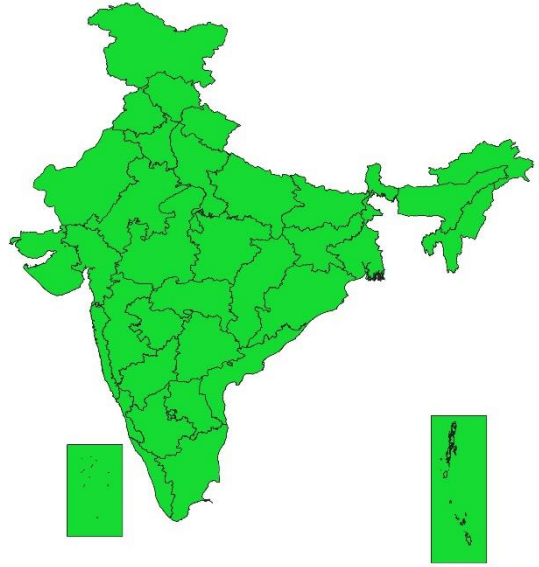
**SUBDIVISIONWISE WEATHER WARNING FOR DAY 4
(20-10-2023)**



- | | | |
|----------------------------|----------------------|--------------------------|
| 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) |



**SUBDIVISIONWISE WEATHER WARNING FOR DAY 5
(21-10-2023)**



- | | | |
|----------------------------|----------------------|--------------------------|
| 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) |

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)