



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

**Press Release.  
Date: 13<sup>th</sup> October, 2023  
Time of Issue: 1400 hours IST**

**Subject: 1) Wet spell over Northwest India during 14<sup>th</sup>-17<sup>th</sup> October, 2023.  
2) Isolated heavy rainfall very likely over Tamil Nadu and Kerala during next 4-5 days.**

**Rainfall recorded during past 24 hours till 0830 hours IST of today, the 13<sup>th</sup> Oct, 2023 (Annexure I)**

**Withdrawal of Southwest Monsoon: (Annexure II)**

- ❖ Southwest Monsoon has further withdrawn from most parts of Bihar; remaining parts of Jharkhand; some parts of Sub-Himalayan West Bengal; entire Gangetic West Bengal and Odisha; remaining parts of Chhattisgarh; some parts of Coastal Andhra Pradesh; most parts of Telangana; some more parts of North Interior Karnataka today, the 13<sup>th</sup> October, 2023.
- ❖ The line of withdrawal of Southwest Monsoon now passes through Forbesganj, Malda, 24.0°N/89.0°E, 20.0°N/89.0°E, Vishakhapatnam, Nalgonda, Raichur, Vengurla & 16.0°N/70.0°E.

**Significant Weather features:**

- ❖ A cyclonic circulation lies over south Tamil Nadu & neighbourhood in lower tropospheric levels.
- ❖ The Western Disturbance as a trough in middle tropospheric westerlies runs roughly along Long. 63°E to the north of Lat. 32°N. Under its influence, an induced cyclonic circulation is likely to form over central Pakistan & neighbourhood during next 24 hours.

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

**South India:** Light to moderate rainfall at some to many places with isolated **heavy rainfall** accompanied with thunderstorm & lightning very likely over Kerala & Mahe during 13<sup>th</sup>-17<sup>th</sup>; Tamil Nadu on 13<sup>th</sup>, 16<sup>th</sup> & 17<sup>th</sup> and South Interior Karnataka on 16<sup>th</sup> & 17<sup>th</sup> October, 2023.

**Northwest India:** Light to moderate rainfall at some to many places accompanied with isolated thunderstorm & lightning very likely over Jammu-Kashmir-Gilgit-Baltistan-Muzaffarabad during 14<sup>th</sup>-16<sup>th</sup>; Himachal Pradesh, Uttarakhand, Punjab, Haryana, Uttar Pradesh and Rajasthan on 15<sup>th</sup> & 16<sup>th</sup> October, 2023. Isolated **heavy rainfall** also likely over Kashmir-Gilgit Region and Himachal Pradesh on 16<sup>th</sup> October, 2023. (Refer Special Message:[https://mausam.imd.gov.in/Forecast/marquee\\_data/Special%20message%20for%20Northwest%20India%20%202013%20Oct%202023.pdf](https://mausam.imd.gov.in/Forecast/marquee_data/Special%20message%20for%20Northwest%20India%20%202013%20Oct%202023.pdf))

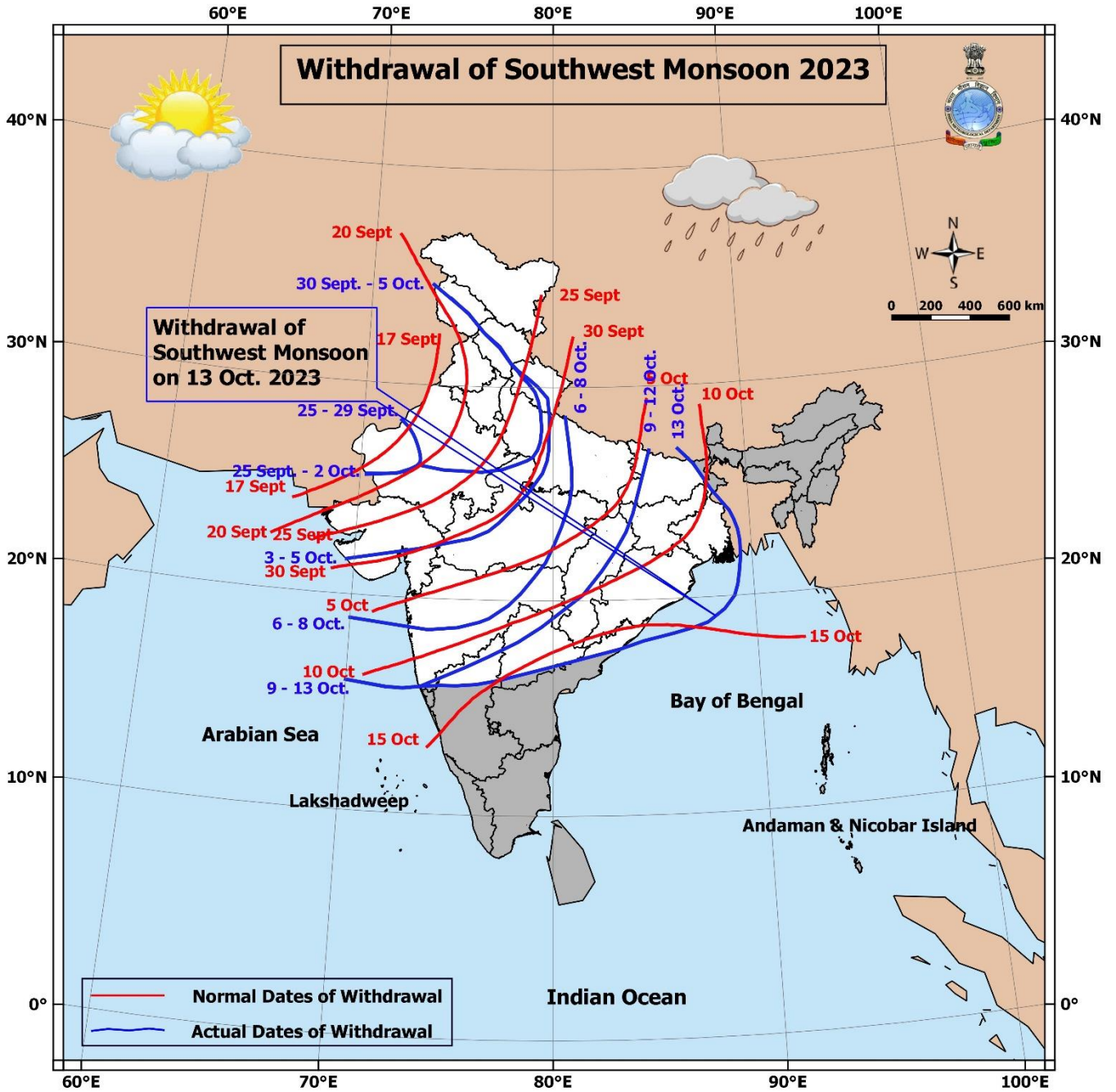
**No significant weather over rest parts of the country during next 5 days.**

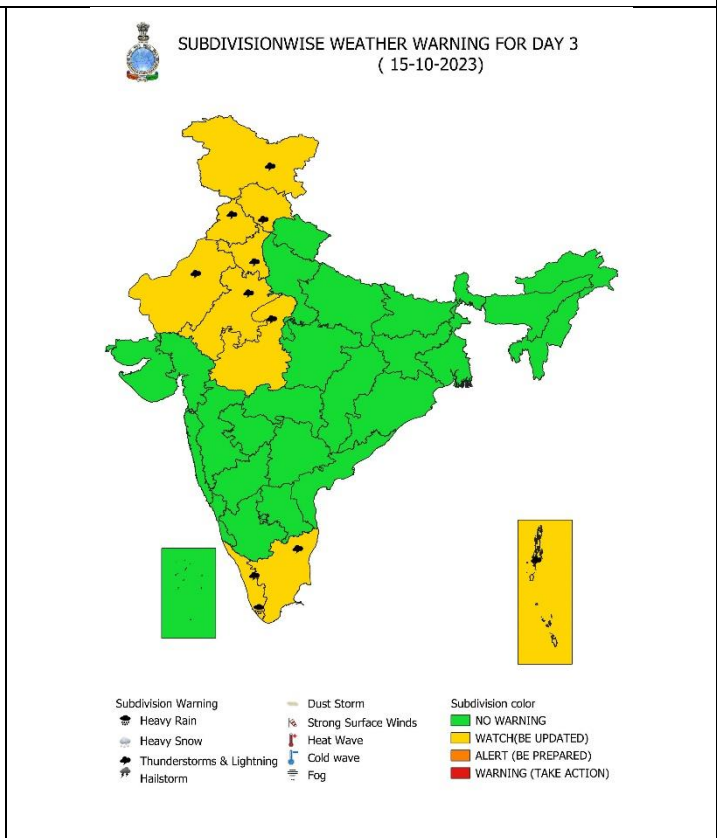
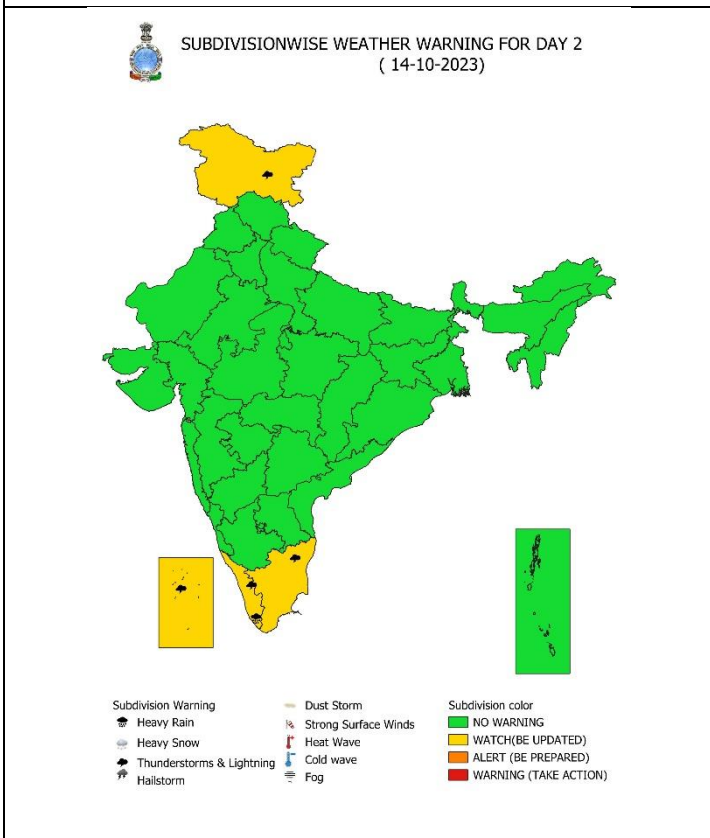
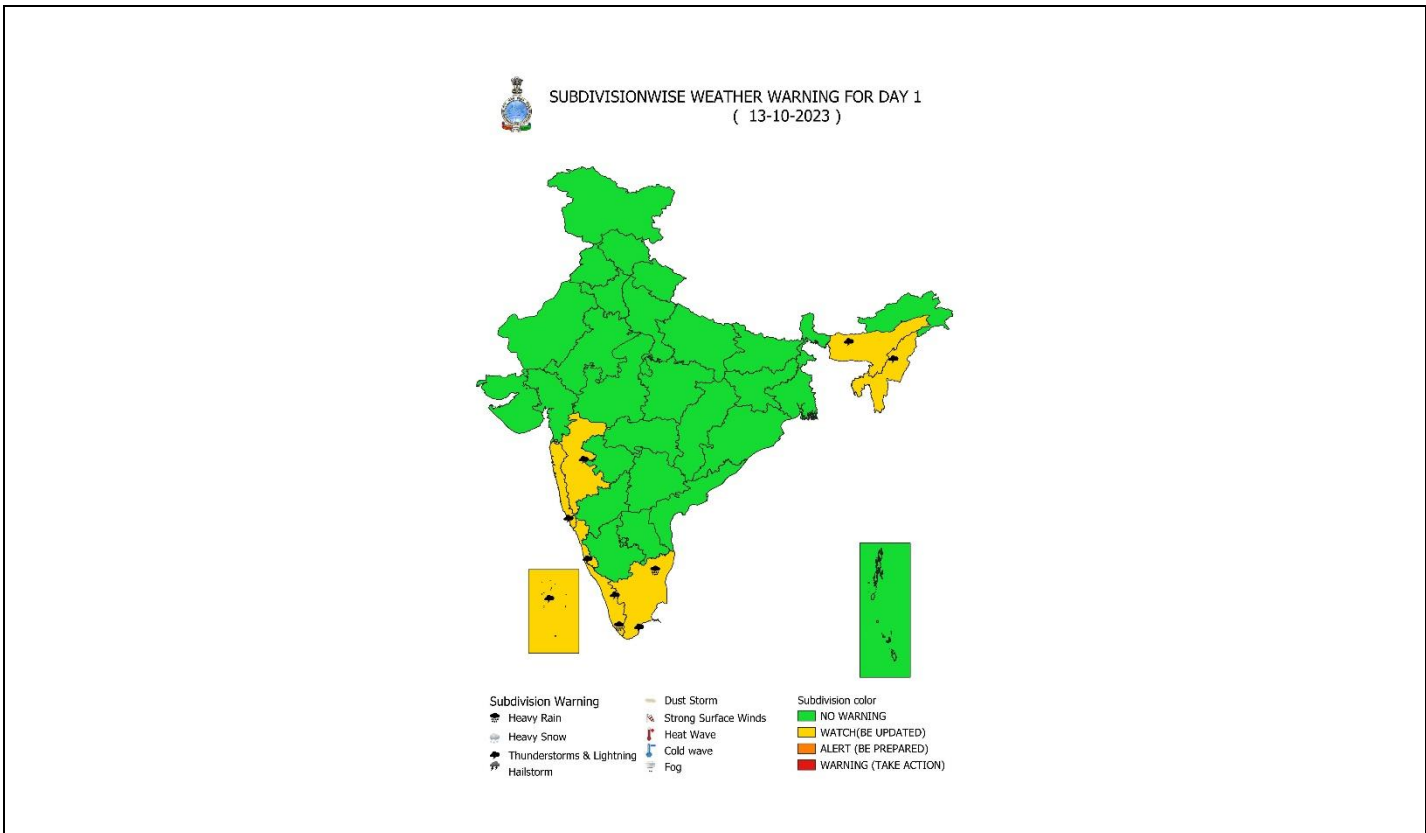
For more details kindly refer: [https://mausam.imd.gov.in/responsive/all\\_india\\_forecast\\_bulletin.php](https://mausam.imd.gov.in/responsive/all_india_forecast_bulletin.php)

**Rainfall observations: (from 0830 hours IST of yesterday to 0830 hours IST of today, the 13<sup>th</sup> October, 2023):**

- ❖ **Heavy to very heavy rainfall** at isolated places over Kerala and **Heavy rainfall** at isolated places over Coastal Karnataka and Tamil Nadu.
- ❖ **Significant rainfall recorded (in cm):**
  - **Kerala:** Ponmudi (dist Thiruvananthapuram) 12, Enamakal (Thrissur district) 8, Kottarakkara AWS (Kollam district) 7 Enamakal (Thrissur district) 8, Kottarakkara AWS (Kollam district)7, Konni & Kunnathanam AWS (both in Pathanamthitta district) & Anakayam ARG (Malappuram district) 5 each;
  - **Tamil Nadu:** Chittar (dist Kanniyakumari) 10, Thirparappu (dist Kanniyakumari) 9, Chittar (dist Kanniyakumari) 10, Thirparappu (dist Kanniyakumari) 9, Vembakottai (dist Virudhunagar), Ottapadiram (dist Thoothukudi), Thuckalay (dist Kanniyakumari) 6 each, Sattur (dist Virudhunagar), Sivalogam (dist Kanniyakumari), Sirukudi (dist Thiruchirappalli), Andipatti (dist Theni) 5 each;
  - **Coastal Karnataka:** Mani (dist Dakshina Kannada) 7;
  - **Sub-Himalayan West Bengal:** Coochbehar-4, Chepan-4;
  - **Assam & Meghalaya:** Barpeta (dist Barpeta), Gossaigaon (Dist Kokrajhar), Numaligarh (Dist Golaghat) 5 each, Khetri Arg (Dist Kamrup), Badatighat (Dist Lakhimpur), Laharighat Arg (Dist Morigaon) 4 each;
  - **Nagaland:** Mokokchang (Mokochung) 4;
  - **Andaman & Nicobar Islands:** Hutbay-4.

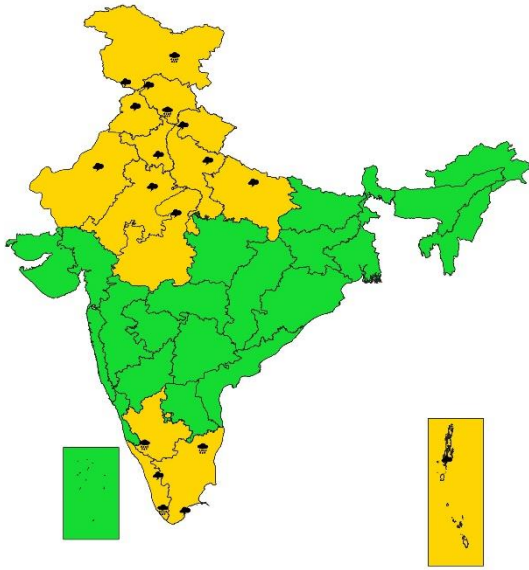
**Obsy:** Observatory; **AWS:** Automatic Weather Station; **dist:** District; **NH:** National Highway; **KVK:** Krishi Vigyan Kendra; **DVC:** Damodar Valley Corporation







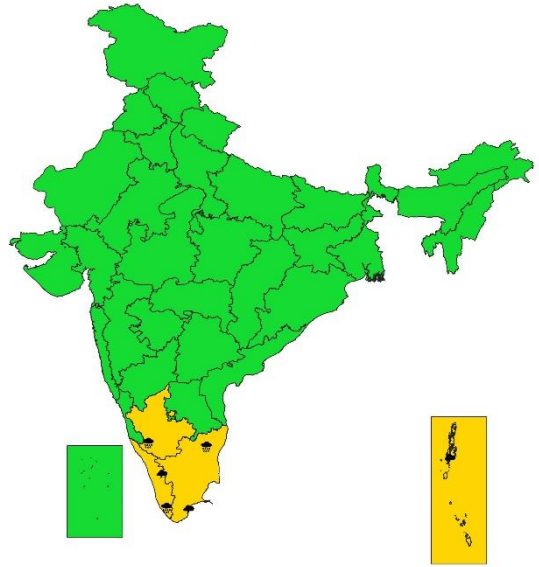
**SUBDIVISIONWISE WEATHER WARNING FOR DAY 4  
( 16-10-2023)**



- |                            |                      |                          |
|----------------------------|----------------------|--------------------------|
| <b>Subdivision Warning</b> | Dust Storm           | <b>Subdivision color</b> |
| 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  
( 17-10-2023)**



- |                            |                      |                          |
|----------------------------|----------------------|--------------------------|
| <b>Subdivision Warning</b> | Dust Storm           | <b>Subdivision color</b> |
| 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)