



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

**Press Release  
Date: 27<sup>th</sup> October, 2023  
Time of Issue: 1145 hours IST**

**Subject: (i) Isolated heavy rainfall very likely over Tamil Nadu, Kerala & Mahe during 27<sup>th</sup> -30<sup>th</sup> and over South Interior Karnataka on 29<sup>th</sup> & 30<sup>th</sup> October.**

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

**Rainfall recorded during past 24 hours till 0830 hours IST of today (27<sup>th</sup> Oct. 2023):**

**Heavy Rainfall recorded** at isolated places over Kerala and Tamil Nadu.

**Rainfall Distribution: Kerala:** Kunnathanam AWS (Pathanamthitta district) 7. **Tamil Nadu:** Mambzhathuraiyaru (dist Kanniyakumari), Anaikedanku (dist Kanniyakumari), Kurunthancode (dist Kanniyakumari), Bhoothapandy (dist Kanniyakumari) 7 each.

**Significant Weather features:**

❖ A **Western Disturbance** runs as a trough in middle tropospheric westerlies with its axis at 5.8 km above mean sea level roughly along Long. 54°E to the north of Lat. 24°N.

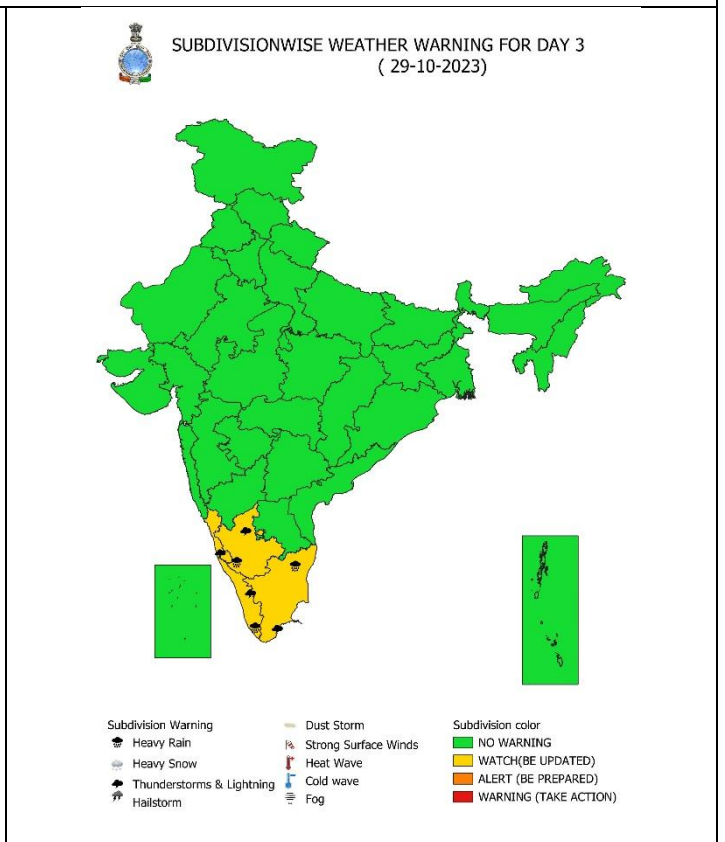
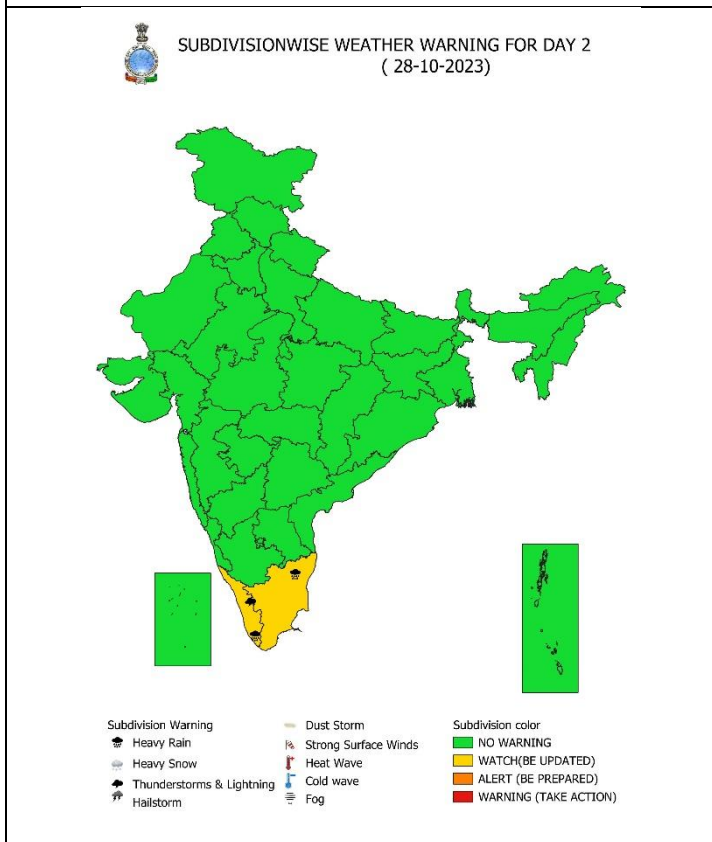
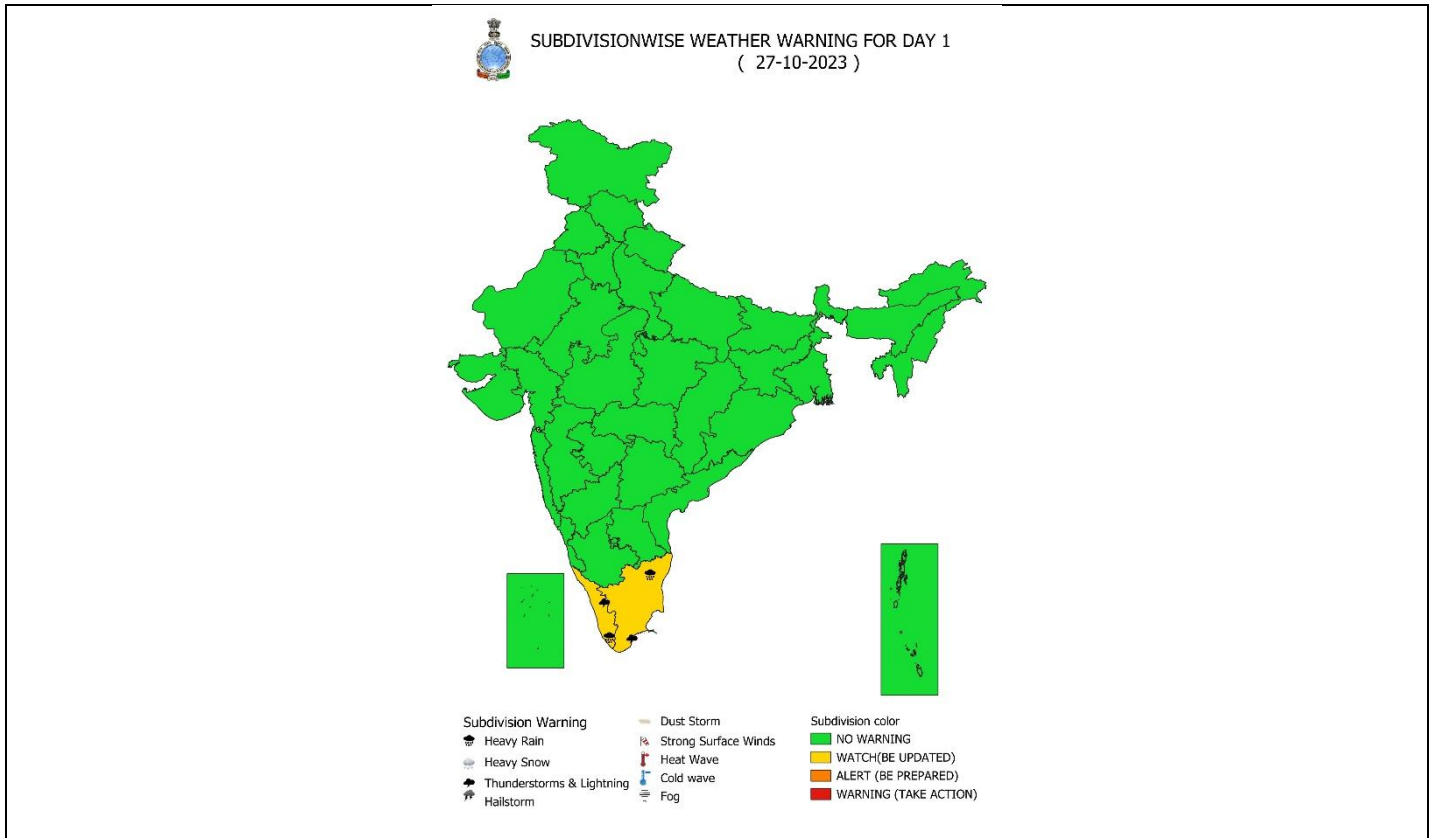
**Weather forecast & warnings for next 5 days: (Graphics in Annexure I)**

**South India:**

- ❖ Light to moderate rainfall at some/ many places with isolated thunderstorm, lightning very likely over Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal during next 5 days and over Coastal Karnataka and South Interior Karnataka on 29<sup>th</sup> & 30<sup>th</sup> October.
- ❖ Isolated **heavy rainfall** also very likely over Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe during 27<sup>th</sup>-30<sup>th</sup> October and over South Interior Karnataka on 29<sup>th</sup> & 30<sup>th</sup> October.

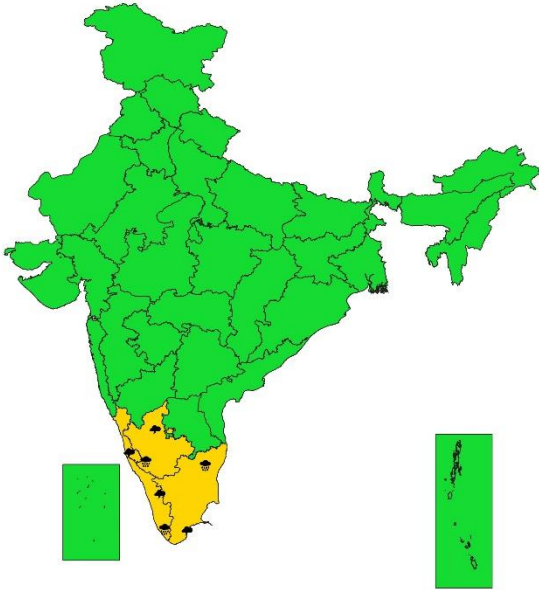
**No significant weather likely over rest parts of the country.**

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)





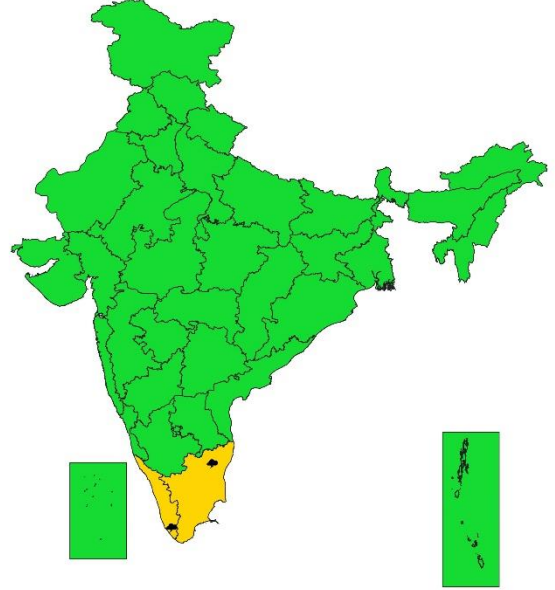
**SUBDIVISIONWISE WEATHER WARNING FOR DAY 4**  
( 30-10-2023)



- |                            |                      |                          |
|----------------------------|----------------------|--------------------------|
| <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**  
( 31-10-2023)



- |                            |                      |                          |
|----------------------------|----------------------|--------------------------|
| <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.
- ❖ **Obsy:** Observatory; **AWS:** Automatic Weather Station; **dist:** District; **NH:** National Highway; **KVK:** Krishi Vigyan Kendra; **DVC:** Damodar Valley Corporation
- ❖ **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)