



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

**Press Release**  
**Date: 21<sup>th</sup> November, 2023**  
**Time of Issue: 1245 hours IST**

**Subject: An easterly wave is likely to cause heavy rainfall spell over south Peninsular India during next 4 days.**

**Rainfall recorded during past 24 hours till 0830 hours IST of today:**

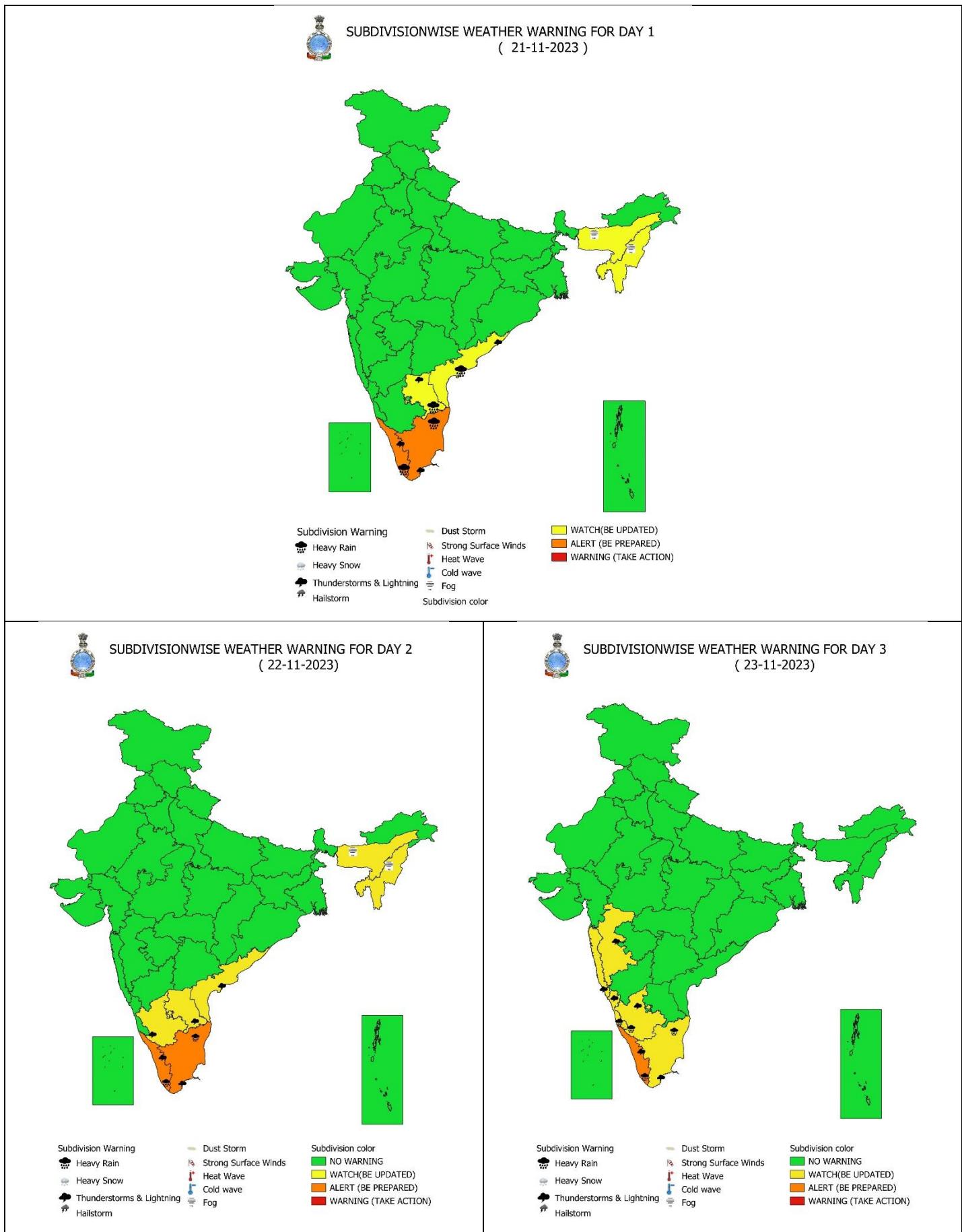
- ❖ **Heavy rainfall** observed at isolated places over Coastal Andhra Pradesh, Rayalaseema, Tamil Nadu.
  - ❖ **Significant Rainfall Amount (in cm): Rayalaseema:** Gudur (dist Tirupati) 9, Sullurpetta (dist Tirupati) 7; **Coastal Andhra Pradesh:** Nellore (dist Spsr Nellore) 9; **Tamil Nadu:** DGP Office (dist Chennai), Ponneri (dist Tiruvallur) 9 each, Chennai Collector Office (dist Chennai) 8.

**Weather Systems and Forecast & Warnings during next 5 days (graphics in Annexure I)**

- ❖ A trough in easterly runs from over Comorin area to Westcentral off Andhra Pradesh coast in lower tropospheric levels. It is very likely to cause:
  - ✓ Light to moderate rainfall at many places with **isolated heavy rainfall** over Tamil Nadu during 21<sup>st</sup> - 23<sup>rd</sup>; over Kerala & Mahe during 21<sup>st</sup> – 24<sup>th</sup>; over Coastal Andhra Pradesh, Rayalaseema on 21<sup>st</sup>; over Coastal Karnataka on 23<sup>rd</sup> and over South Interior Karnataka on 23<sup>rd</sup> & 24<sup>th</sup> November, 2023.
  - ✓ **Isolated very heavy rainfall also likely over Tamil Nadu on 21<sup>st</sup> & 22<sup>nd</sup> and over Kerala during 21<sup>st</sup> -23<sup>rd</sup> November, 2023.**
  - ✓ Light to moderate rainfall at scattered to few places very likely over Central India and West coast during 24<sup>th</sup> -27<sup>th</sup> November, 2023.

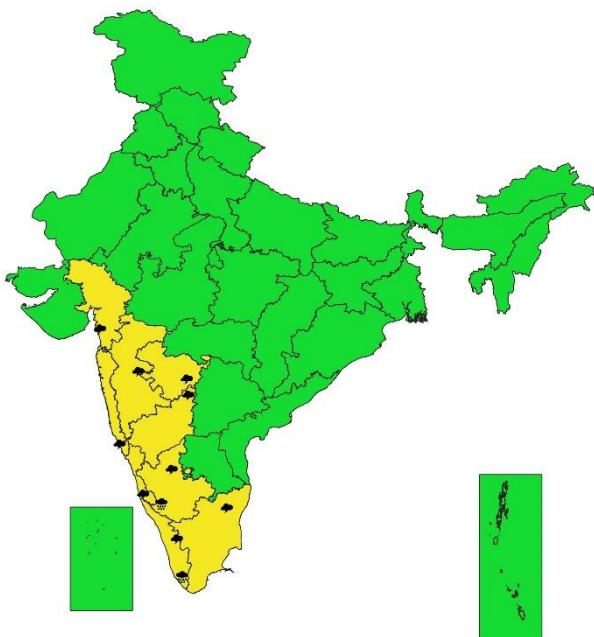
**No significant weather likely over rest parts of the country.**

For more details kindly refer: [https://mausam.imd.gov.in/responsive/all\\_india\\_forcast\\_bulletin.php](https://mausam.imd.gov.in/responsive/all_india_forcast_bulletin.php)  
and <https://mausam.imd.gov.in/responsive/cycloneinformation.php>





SUBDIVISIONWISE WEATHER WARNING FOR DAY 4  
( 24-11-2023 )



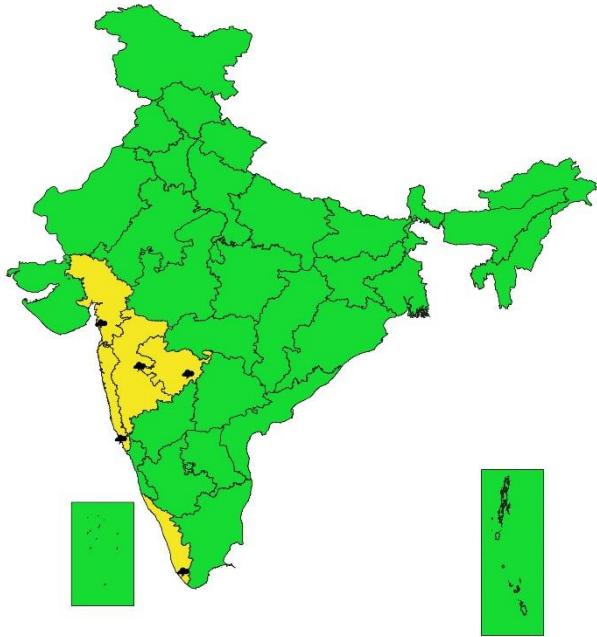
Subdivision Warning  
 ☁ Heavy Rain  
 ☃ Heavy Snow  
 ☀ Thunderstorms & Lightning  
 ☁ Hailstorm

Dust Storm  
 ☰ Strong Surface Winds  
 ☰ Heat Wave  
 ☰ Cold wave  
 ☰ Fog

Subdivision color  
 NO WARNING  
 WATCH(BE UPDATED)  
 ALERT (BE PREPARED)  
 WARNING (TAKE ACTION)



SUBDIVISIONWISE RAINFALL FORECAST FOR DAY 5  
( 25-11-2023 )



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)

**Impact & Action Suggested due to very heavy rainfall** over Tamil Nadu, Puducherry & Karaikal on 21<sup>st</sup> & 22<sup>nd</sup> November and Kerala & Mahe during 21<sup>st</sup>-23<sup>rd</sup> November,2023.

#### A. Impact Expected

- ❖ Localized Flooding of roads, water logging in low lying areas and closure of underpasses mainly in urban areas of the above region.
- ❖ Occasional reduction in visibility due to heavy rainfall.
- ❖ Disruption of traffic in major cities due to water logging in roads leading to increased travel time.
- ❖ Minor damage to kutch roads.
- ❖ Possibilities of damage to vulnerable structure.
- ❖ Localized Landslides/Mudslides
- ❖ Damage to horticulture and standing crops in some areas due to inundation.
- ❖ It may lead to riverine flooding in some river catchments (for riverine flooding please visit Web page of CWC).

#### B. Action Suggested

- ❖ Check for traffic congestion on your route before leaving for your destination.
- ❖ Follow any traffic advisories that are issued in this regard.
- ❖ Avoid going to areas that face the water logging problems often.
- ❖ Avoid staying in vulnerable structure.

## 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 Widespred (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)	