



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

**Press Release**

**Date: 08<sup>th</sup> November, 2023**

**Time of Issue: 1215 hours IST**

**Subject: (i) Isolated heavy rainfall very likely to continue over Tamil Nadu and Kerala during 08th-09th and over Karnataka on 08<sup>th</sup> November and significant reduction thereafter**

**(ii) The Western Disturbance is likely to cause isolated to scattered light/moderate rainfall/snowfall over Western Himalayan Region till 10<sup>th</sup> and isolated light rainfall over adjoining plains on 09<sup>th</sup> & 10<sup>th</sup> November, 2023.**

**Rainfall recorded during past 24 hours till 0830 hours IST of today: (Annexure I)**

❖ **Heavy rainfall** at isolated places over Kerala, Tamil Nadu, Coastal Andhra Pradesh, Goa and Coastal Karnataka.

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

❖ Under the influence of yesterday's cyclonic circulation over Southeast & adjoining Eastcentral Arabian Sea, a Low Pressure Area has formed over Eastcentral Arabian Sea on 08<sup>th</sup> November, 2023.

❖ A **cyclonic circulation** lies over Comorin area in lower tropospheric levels.

❖ Under the influence of above systems:

- ✓ Light/moderate scattered to fairly widespread rainfall very likely over south Peninsular India and light/moderate isolated to scattered rainfall over Konkan & Goa and Madhya Maharashtra during next 3 days.
- ✓ Isolated **heavy rainfall** very likely over Coastal Karnataka, North Interior Karnataka & South Interior Karnataka, south Konkan & Goa and south Madhya Maharashtra on 08<sup>th</sup> November and over Kerala and Tamil Nadu on 08<sup>th</sup> & 09<sup>th</sup> November.
- ✓ Isolated **very heavy rainfall** also likely over south Kerala & south Tamil Nadu on 08<sup>th</sup> November.

❖ Yesterday's Western Disturbance as a trough in middle tropospheric westerlies now runs roughly along Long. 70°E to the north of Lat. 30°N and a fresh Western Disturbance as a trough in middle tropospheric westerlies runs roughly along Long. 60°E to the north of Lat. 30°N.

❖ Under their influence:

- ✓ Light to moderate isolated rainfall/snowfall very likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 08<sup>th</sup> November; over Uttarakhand on 09<sup>th</sup> & 10<sup>th</sup> November; scattered to fairly widespread rainfall/snowfall over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 09<sup>th</sup> & 10<sup>th</sup> November; isolated to scattered rainfall over Himachal Pradesh during 08<sup>th</sup>-10<sup>th</sup> November; isolated light rainfall over Haryana, Chandigarh on 09<sup>th</sup> & 10<sup>th</sup> November; over Punjab and West Rajasthan on 09<sup>th</sup> November and over Delhi on 10<sup>th</sup> November.
- ✓ Light/moderate scattered to fairly widespread rainfall very likely over Andaman & Nicobar Islands during next 7 days.

❖ **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>

#### **Annexure I**

##### **Significant Rainfall Amount (in cm):**

**Kerala:** Enadimangalam (dist Pathanamthitta) 9, Urumi (dist Kozhikode) 8, Quilandi (dist Kozhikode) 6.

**Tamil Nadu:** Tirupoondi (dist Nagapattinam), Periyanaickenpalayam (dist Coimbatore) 9 each, RSCL-2 Kedar (dist Villupuram) 8, Needamangalam (dist Thiruvarur), Kodivery (dist Erode), Palacode (dist Dharmapuri), Velankanni (dist Nagapattinam) 7 each.

**Coastal Andhra Pradesh & Yanam:** Addanki (dist Bapatla) 11, Yerragondapalem (dist Prakasam) 8, Mundlamuru (dist Prakasam) 7.

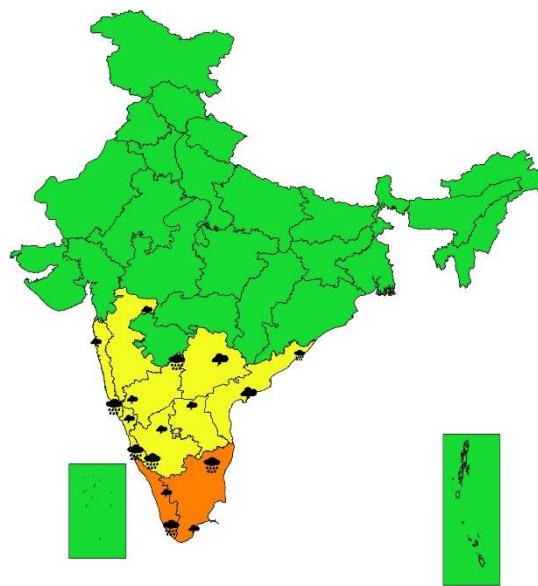
**Goa:** Dabolim (dist South Goa) 10, Margao (dist South Goa) 10, Panjim (dist North Goa) 10, Mormugao (dist South Goa) 6.

**Coastal Karnataka:** Karwar (dist Uttara Kannada) 9, Kadra (dist Uttara Kannada) 4.

#### **Annexure II**



SUBDIVISIONWISE WEATHER WARNING FOR DAY 1  
( 8-11-2023 )



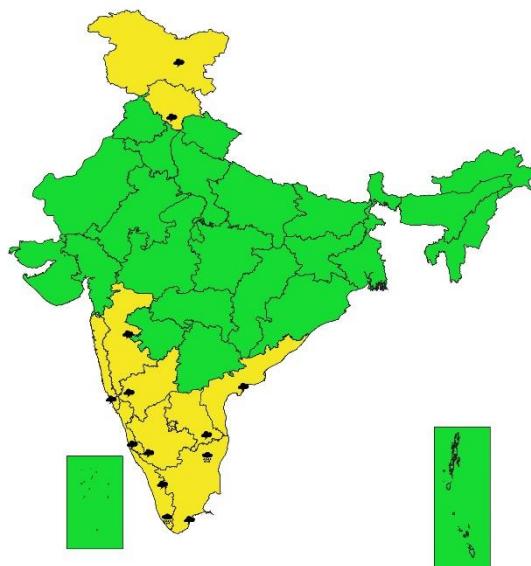
Subdivision Warning  
Heavy Rain  
Heavy Snow  
Thunderstorms & Lightning  
Hailstorm

Dust Storm  
Strong Surface Winds  
Heat Wave  
Cold wave  
Fog

Subdivision color  
WATCH(BE UPDATED)  
ALERT (BE PREPARED)  
WARNING (TAKE ACTION)



SUBDIVISIONWISE WEATHER WARNING FOR DAY 2  
( 9-11-2023 )



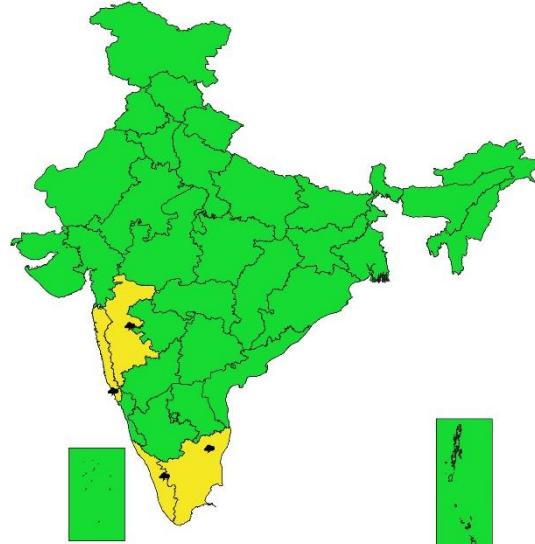
Subdivision Warning  
Heavy Rain  
Heavy Snow  
Thunderstorms & Lightning  
Hailstorm

Dust Storm  
Strong Surface Winds  
Heat Wave  
Cold wave  
Fog

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



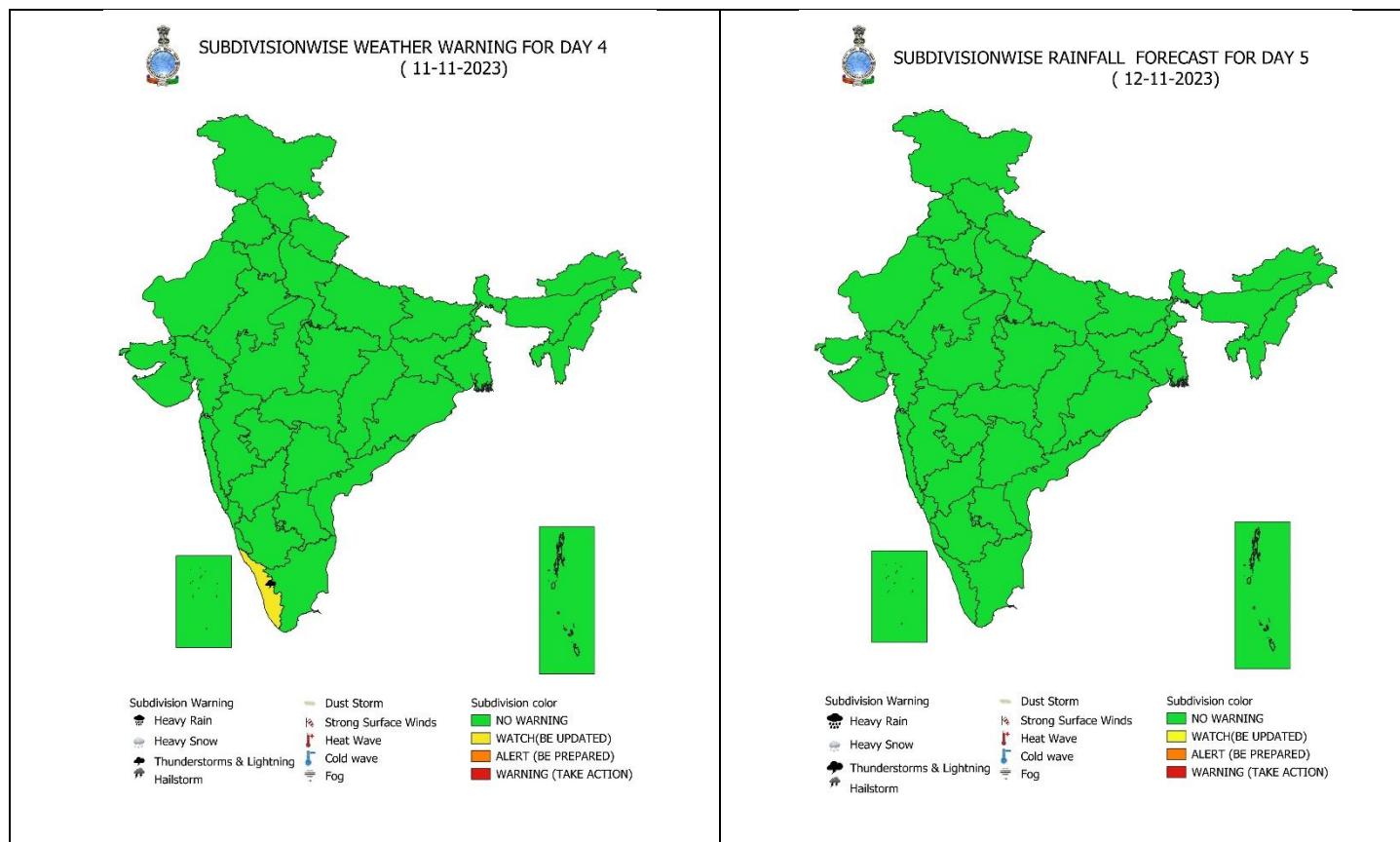
SUBDIVISIONWISE WEATHER WARNING FOR DAY 3  
( 10-11-2023 )



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 south Tamil Nadu and south Kerala on 08th November.

#### 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 kutcha 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 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	
Color	Description
Red	High Risk (Take Action)
Orange	Moderate Risk (Be Prepared)
Yellow	Low Risk (Be Updated)