



**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 08<sup>th</sup>-09<sup>th</sup> 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\\_forecast\\_bulletin.php](https://mausam.imd.gov.in/responsive/all_india_forecast_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.

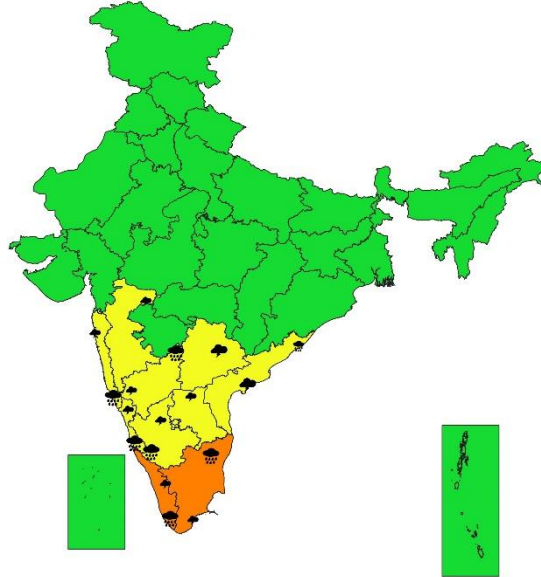
**Goa:** Dabolim (dist South Goa) 10, Margao (dist South Goa) 10, Panjim (dist North Goa) 10, Mormugao (dist South Goa) 6.

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

## Annexure II



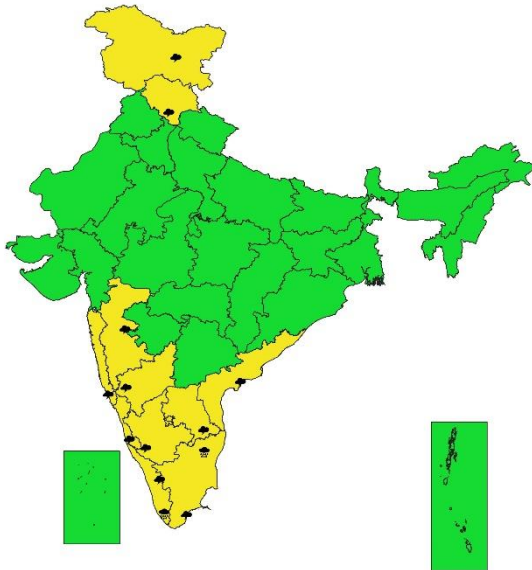
**SUBDIVISIONWISE WEATHER WARNING FOR DAY 1  
( 8-11-2023 )**



- |                            |                          |                       |
|----------------------------|--------------------------|-----------------------|
| <b>Subdivision Warning</b> | Dust Storm               | WATCH(BE UPDATED)     |
| Heavy Rain                 | Strong Surface Winds     | ALERT (BE PREPARED)   |
| Heavy Snow                 | Heat Wave                | WARNING (TAKE ACTION) |
| Thunderstorms & Lightning  | Cold wave                |                       |
| Hailstorm                  | Fog                      |                       |
|                            | <b>Subdivision color</b> |                       |



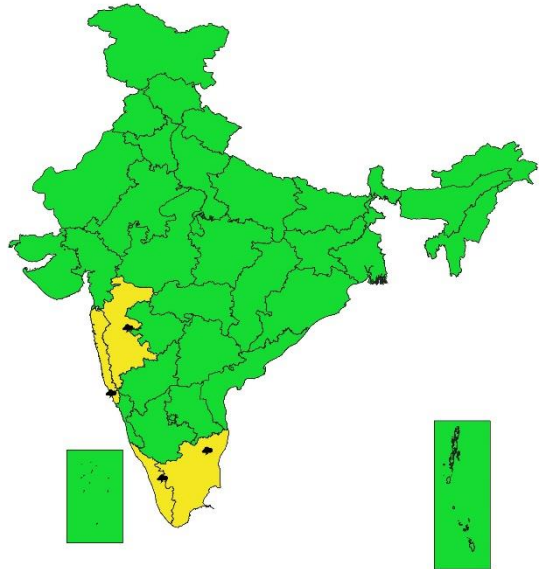
**SUBDIVISIONWISE WEATHER WARNING FOR DAY 2  
( 9-11-2023 )**



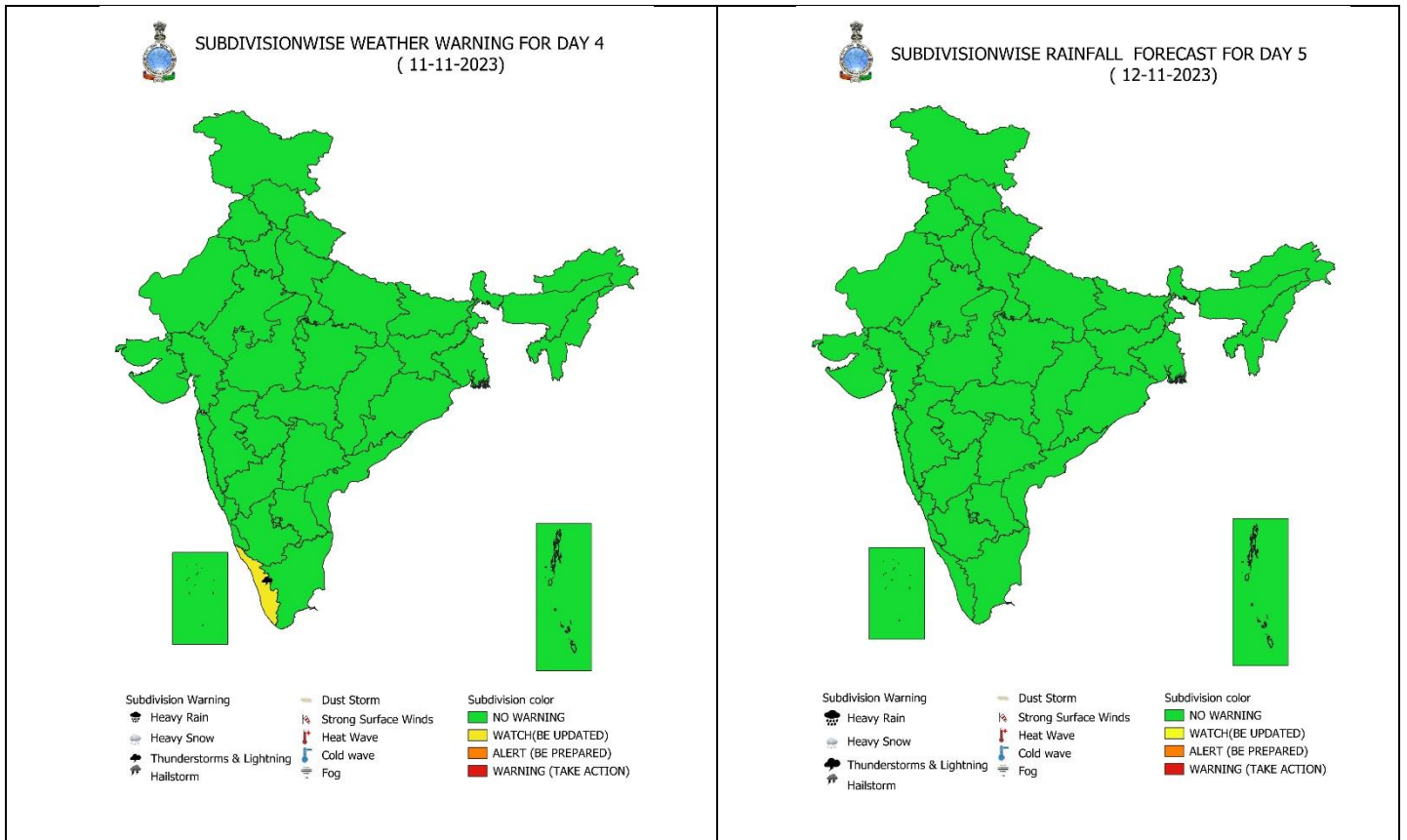
- |                            |                      |                          |
|----------------------------|----------------------|--------------------------|
| <b>Subdivision Warning</b> | Dust Storm           | <b>Subdivision color</b> |
| Heavy Rain                 | Strong Surface Winds | NO 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 3  
( 10-11-2023 )**



- |                            |                      |                          |
|----------------------------|----------------------|--------------------------|
| <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)    |



**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.

<b>SPATIAL DISTRIBUTION</b> (% 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)

<b>Probabilistic Forecast</b>	
Terms	Probability of Occurrence (%)
Unlikely	< 25
Likely	25 - 50
Very Likely	50 - 75
Most Likely	> 75

<b>Flash Flood Risk</b>	
	High Risk (Take Action)
	Moderate Risk (Be Prepared)
	Low Risk (Be Updated)