



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

**Press Release  
Date: 22<sup>nd</sup> November, 2023  
Time of Issue: 1330 hours IST**

**Subject:**

- 1) Isolated heavy rainfall likely to continue over south Peninsular India during next 2-3 days and decrease thereafter.**
- 2) Wet spell over Maharashtra, Gujarat & south Rajasthan during 25<sup>th</sup>-27<sup>th</sup> November.**
- 3) A Low Pressure Area is likely to form over South Andaman Sea & neighbourhood around 26th November and intensify into a Depression over Southeast Bay of Bengal & adjoining Andaman Sea around 27th November.**

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

- ❖ **Heavy to very heavy rainfall** recorded at isolated places over Tamil Nadu, Puducherry & Karaikal and **heavy rainfall** at isolated places over Kerala.
- ❖ **Significant Rainfall Amount (in cm): Tamil Nadu:** PWD (Dist Tiruppur) 17, Avinasi (Dist Tiruppur) 14, Andipatti (Dist Madurai) 14, Parangipettai (Dist Cuddalore) 13, Watrap (Dist Virudhunagar) 12, Alakarai Estate (Dist Nilgiris) 11, Kothavachery (Dist Cuddalore) 11, Srivilliputhur (Dist Virudhunagar) 10, Karaikal (Dist Karaikal) 9, Nagapattinam (Dist Nagapattinam) 8, Coonoor PTO (Dist Nilgiris) 8, Elumalai (Dist Madurai) 7, Thenparanadu (Dist Trichy) 7, Perundurai (Dist Erode) 7, Uthukuli (Dist Tiruppur) 7, Kurinjipadi (Dist Cuddalore) 7; **Kerala:** Thrithla (dist Palakkad) 9, Kalamassery Aws (dist Ernakulam) 8, Chittur (dist Palakkad) 8, Pattembi (dist Palakkad) 8, Seethathode Aws (dist Pathanamthitta) 7, Kurudamannil (dist Pathanamthitta) 7, Kunnankulam Aws (dist Thrissur) 7, Kunnankulam (dist Thrissur) 7.

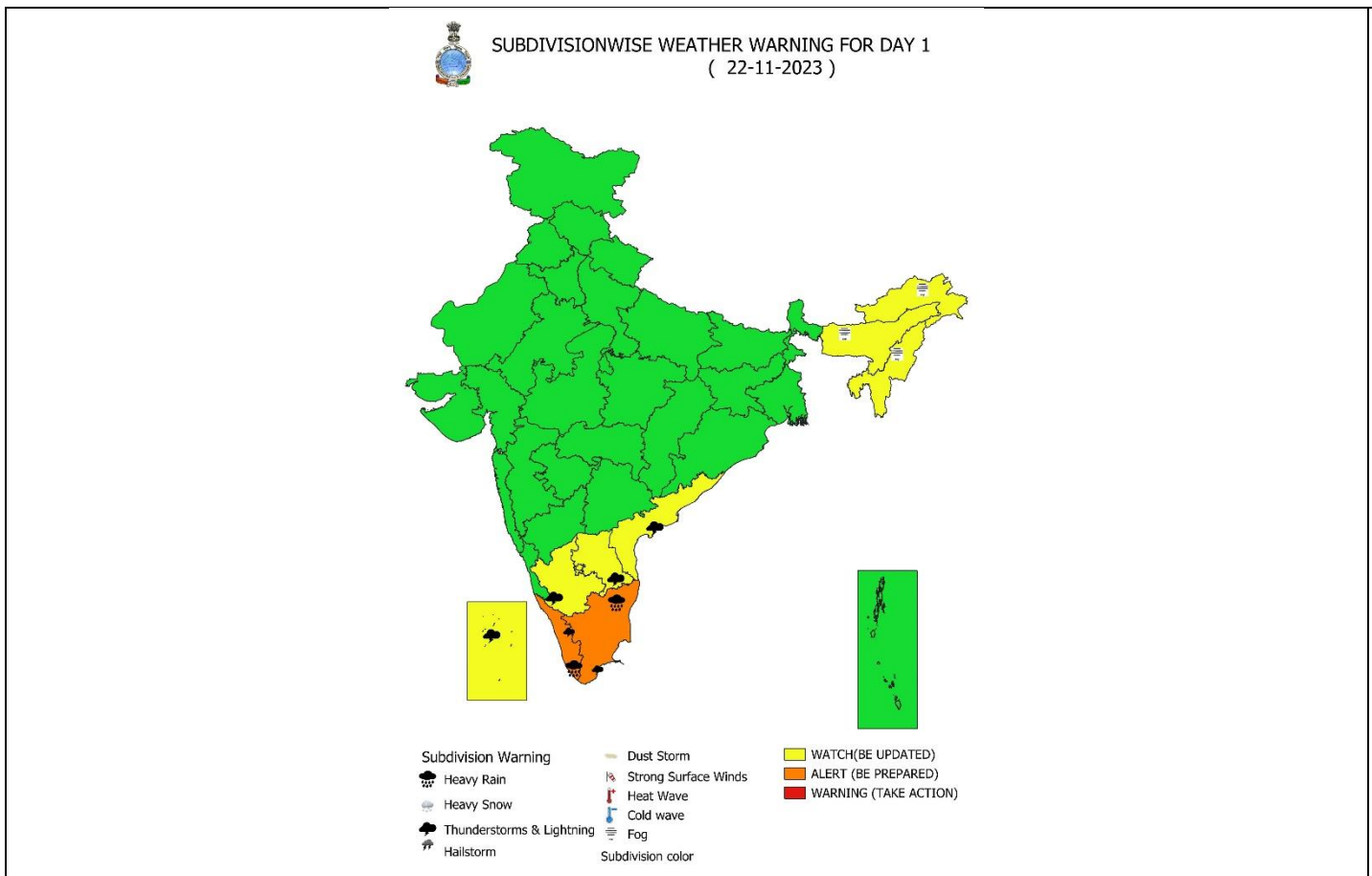
**Weather Systems and Forecast & Warnings during next 5 days (graphics in Annexure I)**

- ❖ A **Cyclonic Circulation** lies over interior Tamil Nadu & adjoining Kerala in lower tropospheric levels. It is very likely to cause:
  - Light to moderate rainfall at most/many places with **isolated heavy rainfall** over Tamil Nadu and Kerala & Mahe during 22<sup>nd</sup>-24<sup>th</sup> and over South Interior Karnataka on 23<sup>rd</sup> & 24<sup>th</sup> November, 2023.
  - **Isolated very heavy rainfall also likely over interior Tamil Nadu and Kerala on 22<sup>nd</sup> November, 2023.**

- ❖ A fresh Western Disturbance is likely to affect Northwest and West India from 25<sup>th</sup> November. Under the influence of its interaction with lower level easterlies:
  - 1) Light to moderate rainfall at many places accompanied with isolated thunderstorm & lightning is likely over north Madhya Maharashtra, north Konkan, Gujarat, Southwest Madhya Pradesh and south Rajasthan during 24<sup>th</sup>-27<sup>th</sup> November with maximum activity on 26<sup>th</sup> November, 2023.
  - 2) Light rainfall at isolated places also likely over Western Himalayan Region and plains of Northwest India during 27<sup>th</sup>-28<sup>th</sup> November.
- ❖ A Cyclonic Circulation is likely to emerge over South Andaman Sea & neighbourhood around 25<sup>th</sup> November. Under its influence, a Low Pressure Area is likely to form over South Andaman Sea & neighbourhood around 26<sup>th</sup> November. It is likely to move west-northwestwards and intensify into a Depression over Southeast Bay of Bengal & adjoining Andaman Sea around 27<sup>th</sup> November.
- ❖ **No significant weather likely over rest parts of the country.**

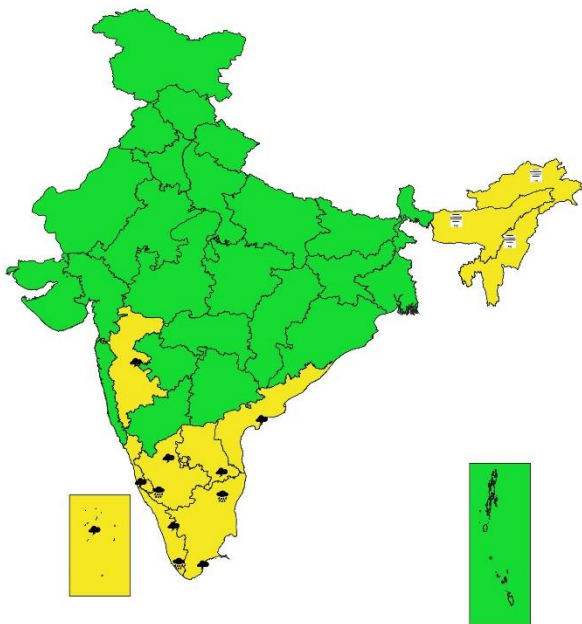
For more details kindly refer: [https://mausam.imd.gov.in/responsive/all\\_india\\_forcast\\_bulletin.php](https://mausam.imd.gov.in/responsive/all_india_forcast_bulletin.php) and <https://mausam.imd.gov.in/responsive/cycloneinformation.php>

## Annexure I





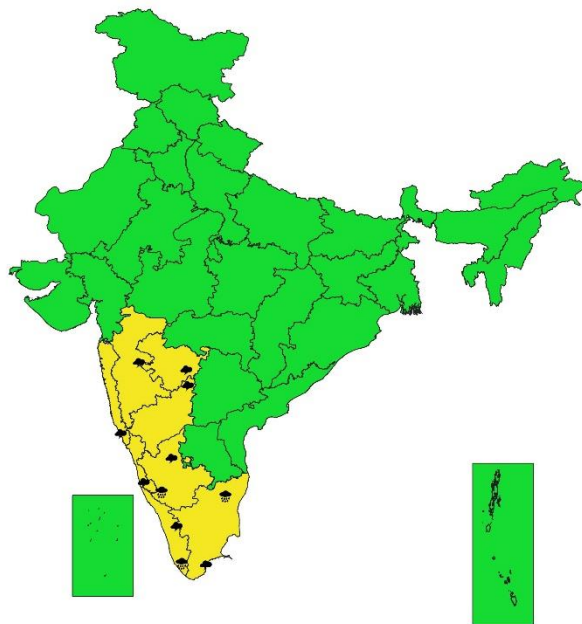
### SUBDIVISIONWISE WEATHER WARNING FOR DAY 2 ( 23-11-2023)



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



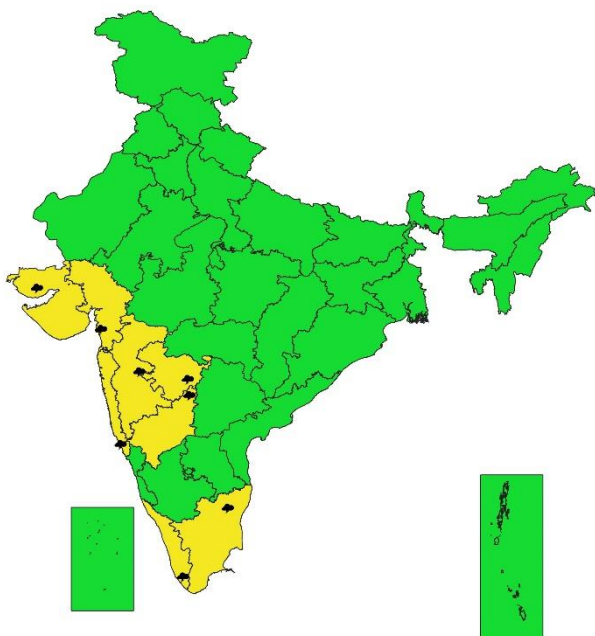
### SUBDIVISIONWISE WEATHER WARNING FOR DAY 3 ( 24-11-2023)



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



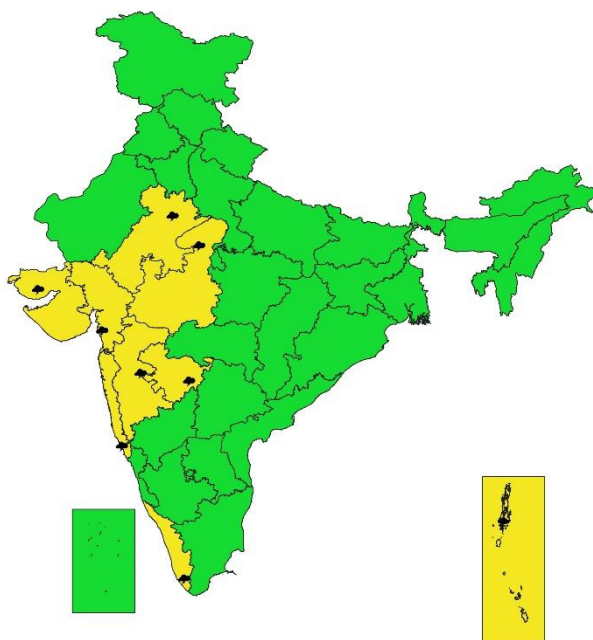
### SUBDIVISIONWISE WEATHER WARNING FOR DAY 4 ( 25-11-2023)



- |                            |                      |                          |
|----------------------------|----------------------|--------------------------|
| <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 RAINFALL FORECAST FOR DAY 5 ( 26-11-2023)



- |                            |                      |                          |
|----------------------------|----------------------|--------------------------|
| <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 interior Tamil Nadu and Kerala & Mahe on 22<sup>nd</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 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			Subdivision color		
 Heavy Rain	 Dust Storm	 NO WARNING			
 Heavy Snow	 Strong Surface Winds	 WATCH (BE UPDATED)			
 Thunderstorms & Lightning	 Heat Wave	 ALERT (BE PREPARED)			
 Hailstorm	 Cold wave	 WARNING (TAKE ACTION)			
	 Fog				

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)