



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

Press Release

Date: 04th November, 2023

Time of Issue: 1215 hours IST

Subject: (i) Isolated heavy rainfall very likely to continue over south peninsular India during 04th-08th November with very heavy rainfall over Tamil Nadu and Kerala on 04th & 05th November 2023.

(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: (Annexure I)

❖ Heavy to very heavy rainfall recorded at isolated places over Tamil Nadu and Kerala.

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

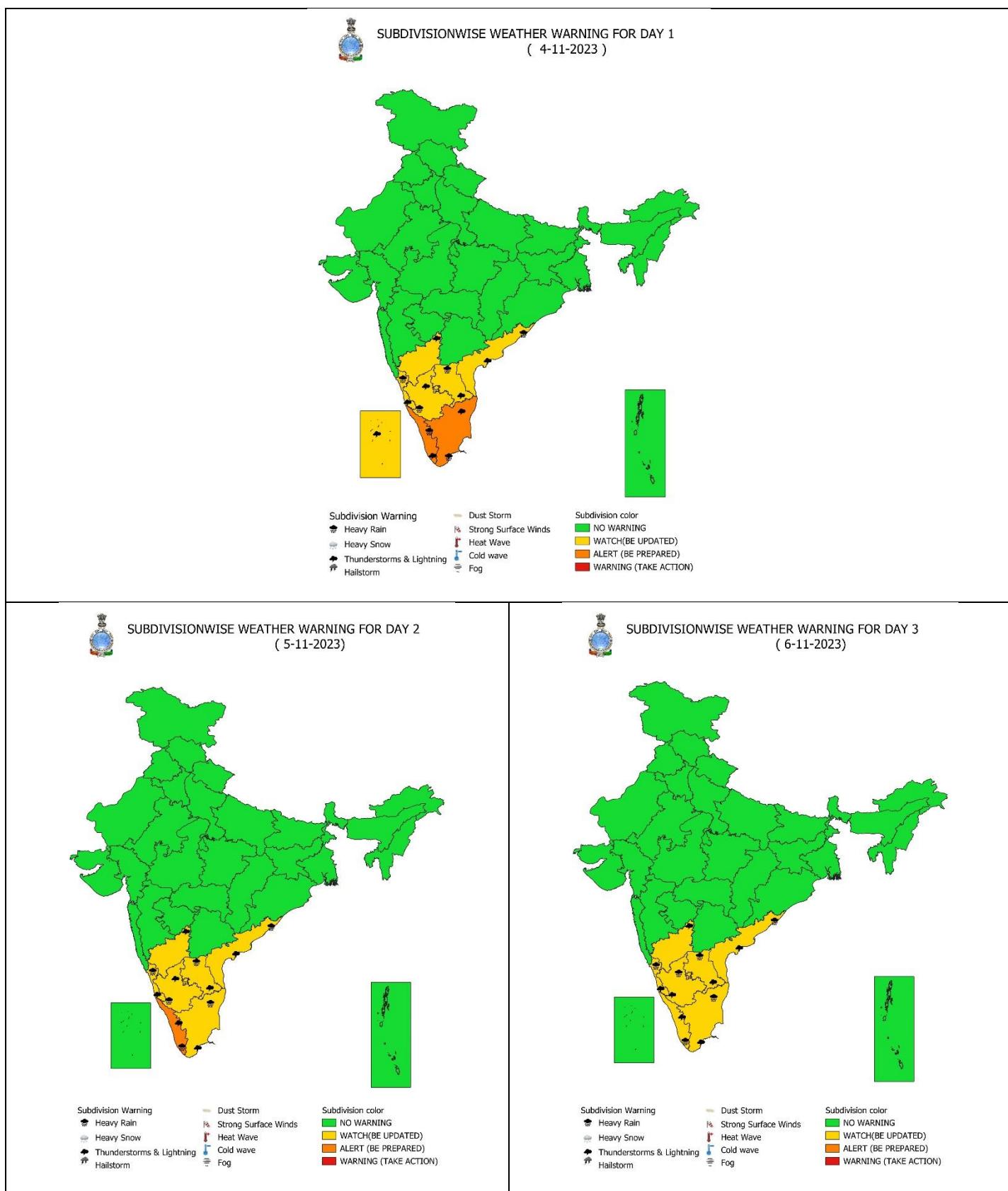
- ❖ A **cyclonic circulation** lies over south Tamil Nadu & neighbourhood and extends upto middle tropospheric levels. A **trough of low in easterlies** extends from North Interior Karnataka to the above cyclonic circulation in lower tropospheric levels. Under the influence of strong lower level easterly winds from the Bay of Bengal due to the above systems:
 - ✓ Light/moderate fairly widespread to widespread rainfall very likely over south Peninsular India during next 7 days.
 - ✓ Isolated **heavy rainfall** very likely over Kerala-Mahe during 04th-08th; over Tamil Nadu, Puducherry & Karaikal during 04th-07th; over Coastal & South Interior Karnataka, Rayalaseema and Coastal Andhra Pradesh during 04th-06th November.
 - ✓ Isolated **Very heavy rainfall** also very likely over Kerala & Mahe on 04th & 05th and Tamil Nadu, Puducherry & Karaikal & South Interior Karnataka on 04th November.
- ❖ Light/moderate rainfall at some places very likely over Andaman & Nicobar Islands during next 7 days.
- ❖ A fresh **Western Disturbance** is likely to affect Western Himalayan Region from the night of 07th November, 2023. Under its influence; light rainfall/snowfall at isolated places likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh during 07th-09th and Uttarakhand on 09th November.
- ❖ **No significant weather likely over rest parts of the country.**

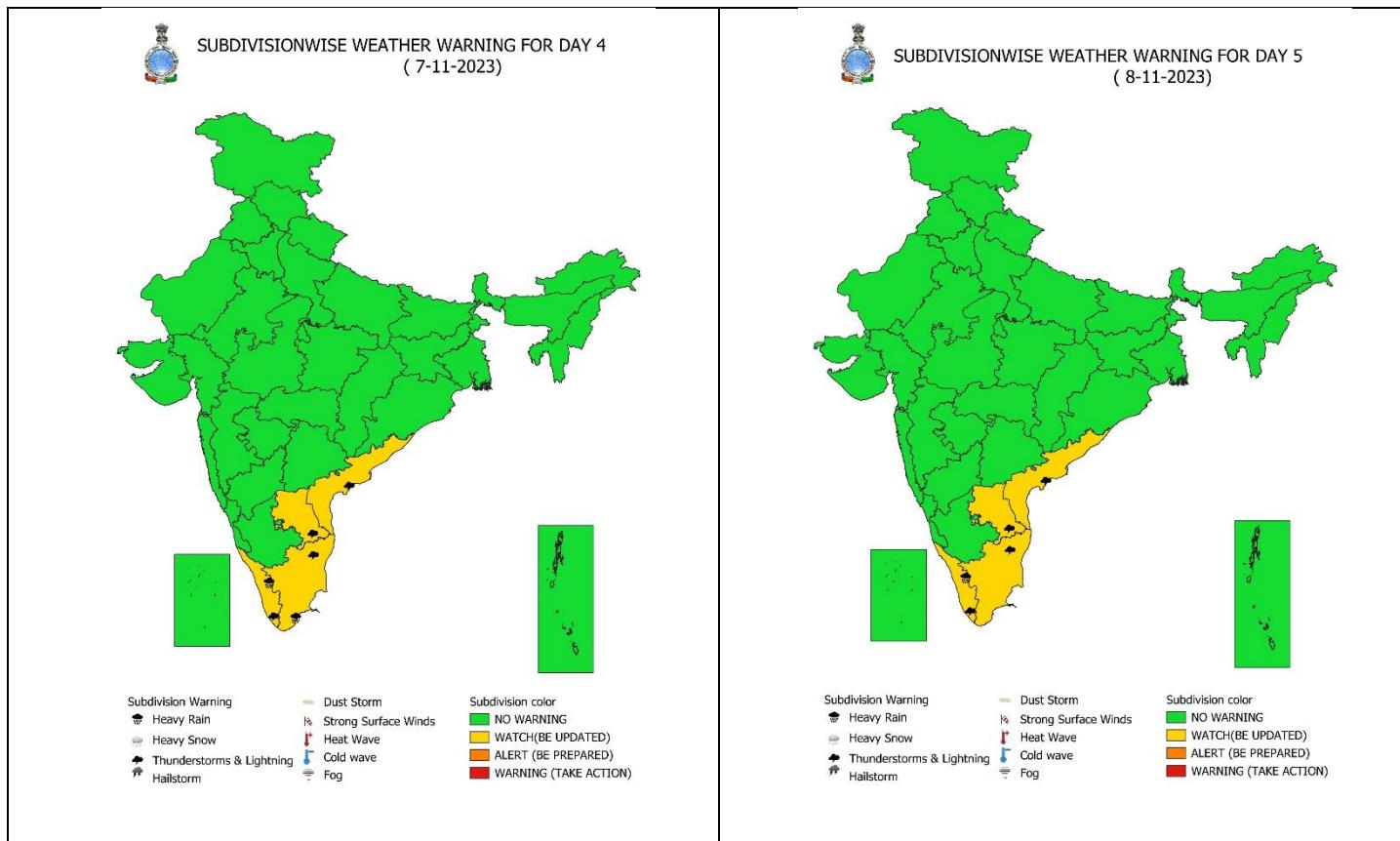
For more details kindly refer: https://mausam.imd.gov.in/responsive/all_india_forcast_bulletin.php

Significant Rainfall Amount (in cm):

Tamil Nadu: Pillur Dam Mettupalayam (Dist Coimbatore) 13, Kamudhi (Dist Ramanathapuram), Sivagiri (Dist Tenkasi), Zone 12 Alandhur (Dist Chennai) 12 each; Zone 03 Puzhal GCC (Dist Tiruvallur), Puzhal Arg (Dist Tiruvallur), Adirampatnam (Dist Thanjavur) 11 each; Adiramapattinam Aws (Dist Thanjavur), Singampunari (Dist Sivagangai) 10 each; Zone 12 Meenambakkam (Dist Chennai), Chennai Airport (Dist Chennai), Alandur (Dist Chennai) 9 each; Ayinkudi (Dist Pudukkottai), Src Kudithangi (Dist Cuddalore), Karaiyur (Dist Pudukkottai), Velankanni (Dist Nagapattinam), Madurai city (Dist Madurai) 8 each; Natham (Dist Dindigul), Alakarai Estate (Dist The Nilgiris), Zone 13 U39 Adyar (Dist Chennai), Zone 14 Perungudi (Dist Chennai), Zone 06 D65 Kolathur (Dist Chennai), Theerthandathanam (Dist Ramanathapuram), Avudayarkoil (Dist Pudukkottai), Paramakudi (Dist Ramanathapuram), Dindigul (Dist Dindigul), Nagudi (Dist Pudukkottai), Kilanilai (Dist Pudukkottai) 7 each;

Kerala: Mancompu (Alappuzha district) 12, Anakayam ARG (Malappuram district) 11, Angadipuram (Malappuram district) & Chemberi AWS (Kannur district) 9 each, Vannamada AWS (Palakkad district) 8, Kumarakom (Kottayam district) 7





Impact & Action Suggested due to very heavy rainfall over Tamil Nadu, Puducherry & Karaikal on 04th and Kerala & Mahe on 04th & 05th 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)