



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

Press Release

Date: 07th November, 2023

Time of Issue: 1200 hours IST

Subject: (i) Isolated heavy rainfall very likely to continue over south peninsular India during 07th-09th November and significant reduction thereafter.

(ii) A fresh Western Disturbance is likely to cause light/moderate rainfall/snowfall over Western Himalayan Region till 10th and over adjoining plains on 09th November, 2023.

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 and **heavy rainfall** at isolated places over Coastal & North Interior Karnataka, Telangana and Rayalaseema.

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

- ❖ A **cyclonic circulation** lies over Southeast & adjoining Eastcentral Arabian Sea in lower tropospheric levels. Under its influence, a **Low Pressure Area** is likely to form over Eastcentral Arabian Sea on 08th November, 2023.
- ❖ Strong easterly/northeasterly winds from Bay of Bengal to southeast Peninsular India in lower tropospheric levels.
- ❖ Under its influence:
 - ✓ Light/moderate fairly widespread to widespread rainfall very likely over south Peninsular India during next 3-4 days and decrease thereafter.
 - ✓ Isolated **heavy rainfall** very likely over Coastal Andhra Pradesh & Yanam, Coastal Karnataka, North Interior Karnataka on 07th; over Kerala-Mahe, Tamil Nadu, Puducherry & Karaikal during 07th-09th and over South Interior Karnataka during 07th-08th November.
 - ✓ Isolated **very heavy rainfall** also likely over Tamil Nadu on 07th November.
- ❖ The Western Disturbance as a trough in middle tropospheric westerlies runs roughly along Long. 64°E to the north of Lat. 27°N and an induced cyclonic circulation lies over Northwest Rajasthan & neighbourhood in lower tropospheric levels. Under its influence:
 - ✓ Light to moderate isolated rainfall/snowfall very likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 07th & 08th and scattered to fairly widespread rainfall/snowfall likely on 09th & 10th; isolated to scattered rainfall over Himachal Pradesh during 08th-10th; over Uttarakhand on 09th & 10th November. Isolated light rainfall very likely over Punjab, Haryana, Chandigarh and West Rajasthan on 09th November.
- ❖ Light/moderate scattered to fairly widespread rainfall very likely over Andaman & Nicobar Islands during next 7 days.
- ❖ Light/moderate isolated to scattered rainfall very likely over Konkan & Goa and Madhya Maharashtra during next 5 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>

Significant Rainfall Amount (in cm):

Kerala: Punalur (Kollam district) 14, Lower Sholayar AWS (Thrissur district) 7

Tamil Nadu: Bhavani (dist Erode), Sivalogam (Chittar II) (dist Kanniyakumari) 12 each, Rajapalayam (dist Virudhunagar), Srivilliputhur (dist Virudhunagar) 11 each, Tondi (dist Ramanathapuram) 10, Mambzhathuraiyaru (dist Kanniyakumari), Anaikedanku (dist Kanniyakumari), Chittar-I (dist Kanniyakumari), Ottapadiram (dist Thoothukudi), Madurai Airport (dist Madurai), Pechiparai (dist Kanniyakumari), Thuckalay (dist Kanniyakumari), Chinnakalar (dist Coimbatore), Tirumangalam (dist Madurai), Aruppukottai KVK AWS (dist Virudhunagar), Kunderipallam (dist Erode), Kovilankulam (dist Virudhunagar) 9 each, Velankanni (dist Nagapattinam), Palacode (dist Dharmapuri), Erode (dist Erode), KCS Mill-2 Moorarpalayam (dist Kallakurichi), Kavundapadi (dist Erode), Tiruchengode (dist Namakkal), Erode PTO (dist Erode), Kozhiporvilai (dist Kanniyakumari), Tirupuvanam (dist Sivagangai), Kayathar (dist Thoothukudi), Kovilpatti (dist Thoothukudi), Cheranmahadevi (dist Tirunelveli) 8 each, Manjolai (dist Tirunelveli), Kumarapalayam (dist Namakkal), Tiruvadanai (dist Ramanathapuram), Kadambur (dist Thoothukudi), Nagapattinam (dist Nagapattinam), Ettayapuram (dist Thoothukudi), Virudhunagar (dist Virudhunagar), Kallakurichi (dist Kallakurichi), K.Paramathi (dist Karur), Madathukulam (dist Tiruppur) 7 each,

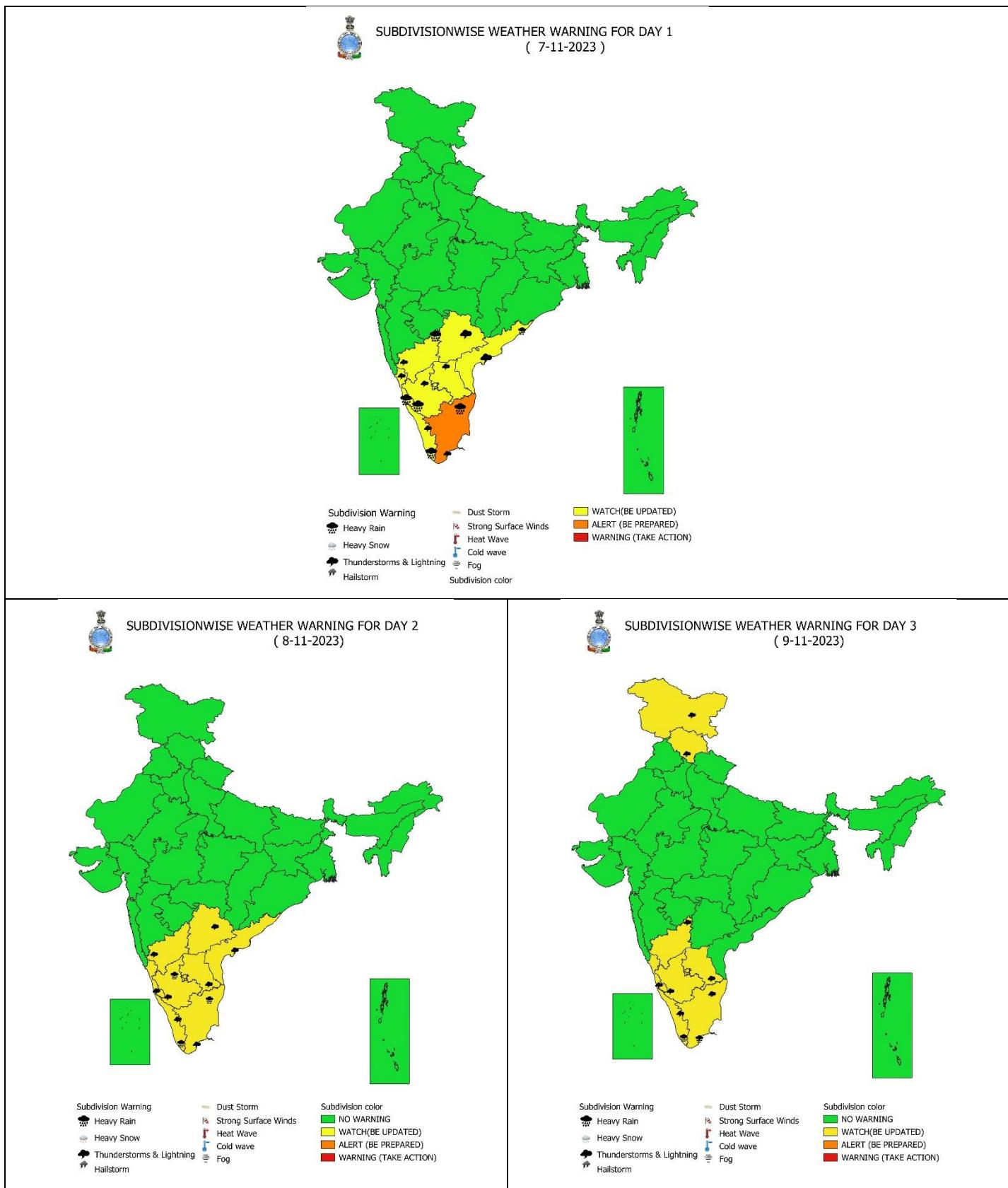
South Interior Karnataka: Thondebhavi (dist Chikaballapura) 11, Krishnarajpet (dist Mandya) 9, Midigeshi (dist Tumakuru) 8, Ramanagara (dist Ramanagara) 8, Sargur (dist Mysuru) 7, Bengaluru City Obsy (dist Bengaluru Urban) 7,

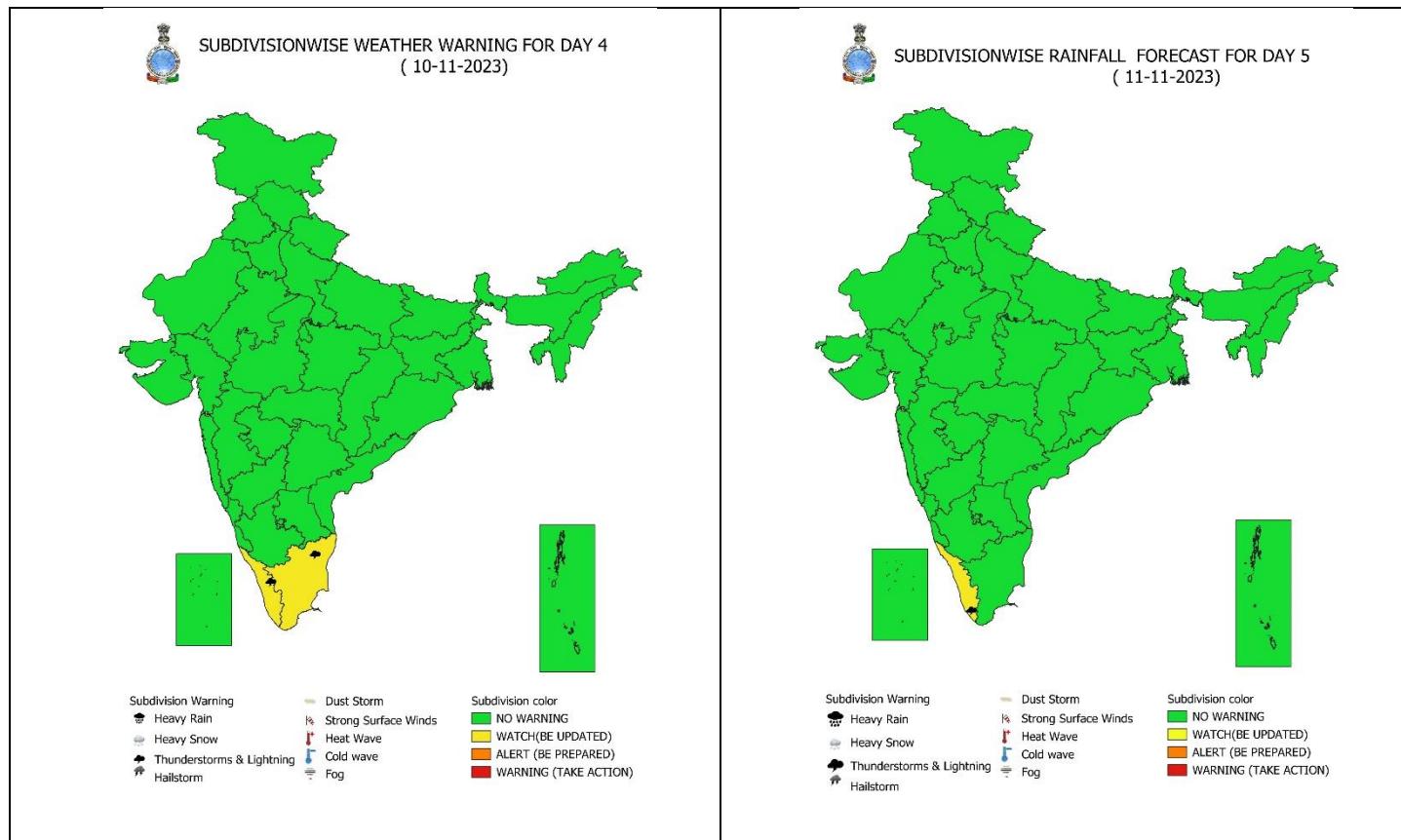
Rayalaseema: Penu Konda (dist Sri Sathyasai District) 8, Lepakshi (dist Sri Sathyasai District) 7, Madakasira (dist Sri Sathyasai District) 7, Chilamathur (dist Sri Sathyasai District) 7

North Interior Karnataka: Haveri (dist Haveri) 8, Ron (dist Gadag) 7,

Telangana: Govindaraopet (dist Mulugu) 7, Kothagudem (dist B. Kothagudem) 5,

Annexure II





Impact & Action Suggested due to very heavy rainfall over Tamil Nadu, Puducherry & Karaikal on 07th 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)