



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

**Press Release  
Date: 29<sup>th</sup> October, 2022  
Time of Issue: 1200 hrs IST**

**Subject: Northeast Monsoon rains commenced over coastal Tamil Nadu, Puducherry & Karaikal and adjoining areas of south Coastal Andhra Pradesh today, the 29<sup>th</sup> October 2022.**

**Commencement of northeast Monsoon rainfall:** Under the influence of setting in of northeasterly winds in the lower tropospheric levels over Bay of Bengal and South Peninsular India, the Northeast Monsoon rains commenced over coastal Tamil Nadu, Puducherry & Karaikal and adjoining areas of south Coastal Andhra Pradesh today, the 29<sup>th</sup> Oct 2022.

**Weather observed during past 24 hours ending at 0830 hrs IST of today: (Annexure I)**

**Weather systems, rainfall/thunderstorm Forecast & Warnings: (Warning Graphics in Annexure II)**

Under the influence of setting in of northeasterly winds in the lower tropospheric levels over Bay of Bengal and South Peninsular India,

- ❖ Scattered/Fairly widespread light/moderate rainfall with **isolated heavy falls & thunderstorm/lightning** very likely over Tamil Nadu, Puducherry & Karaikal during 29<sup>th</sup> October – 02<sup>nd</sup> November; Kerala & Mahe during 30<sup>th</sup> October – 02<sup>nd</sup> November; over Coastal Andhra Pradesh & Yanam during 31<sup>st</sup> October – 02<sup>nd</sup> November; over South Interior Karnataka on 02<sup>st</sup> November and over Rayalaseema on 01<sup>st</sup> November – 02<sup>st</sup> November.
- ❖ **Isolated very heavy rainfall with thunderstorm/lightning** also very likely over Tamil Nadu, Puducherry & Karaikal on 31<sup>st</sup> October & 01<sup>st</sup> November; over Coastal Andhra Pradesh & Yanam on 01<sup>st</sup> November and over Rayalaseema on 01<sup>st</sup> & 02<sup>nd</sup> November, 2022.

Under the influence of a fresh Western Disturbance

- ❖ Light/moderate rainfall at isolated places likely over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad during 31<sup>st</sup> October to 02<sup>nd</sup> November and Himachal Pradesh on 01<sup>st</sup> November, 2022.
- **Dry weather very likely to prevail over rest parts of the country during next 5 days.**

For more details kindly refer:

[https://mausam.imd.gov.in/imd\\_latest/contents/all\\_india\\_forecast\\_bulletin.php](https://mausam.imd.gov.in/imd_latest/contents/all_india_forecast_bulletin.php)

Isolated heavy rainfall occurred over Tamil Nadu, Puducherry & Karaikal.

**Rainfall (more than 1 cm):**

**Tamilnadu, Puducherry & Karaikal:**

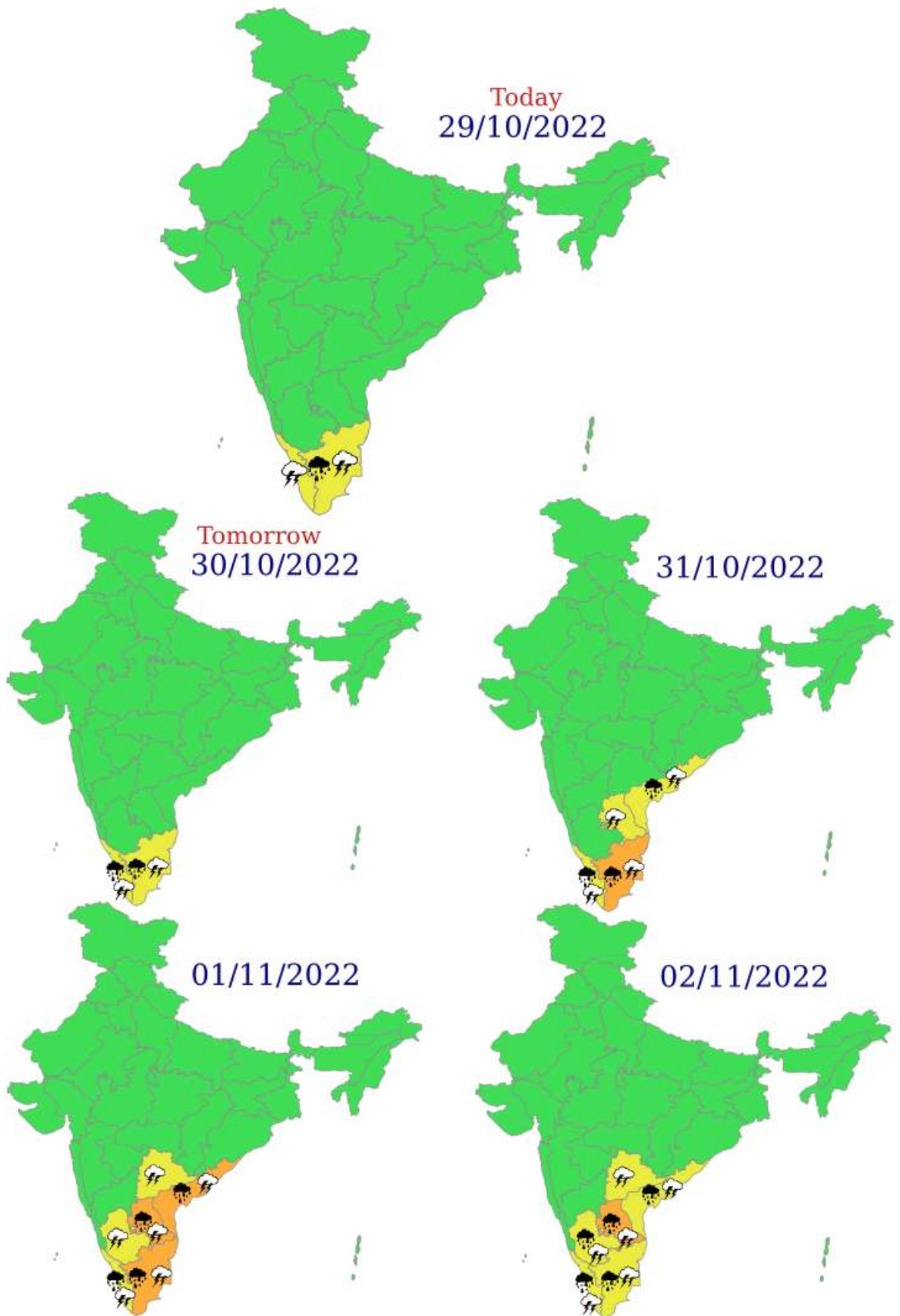
Cuddalore (dist Cuddalore) 8, Puducherry (dist Puducherry) 7, Cuddalore collectorate, Srimushnam (dist Cuddalore), Nanguneri (dist Tirunelveli) 6 each, Marakkanam (dist Villupuram) 5, Vanur (dist Villupuram), Kurinjipadi (dist Cuddalore), Sethiathope (dist Cuddalore) 4 each, Virudachalam (dist Cuddalore), Bhuvanagiri (dist Cuddalore), Agaram Seegoor (dist Perambalur) 3 each, Neivasal Thenpaathi (dist Thanjavur), Panruti (dist Cuddalore), Vilupuram (dist Villupuram), Vedaranyam (dist Nagapattinam), Pelandurai (dist Cuddalore) , Vallam (dist Thanjavur), Uthangarai (dist Krishnagiri) 2 each, Ulundurpet (dist Kallakurichi), Vepur (dist Cuddalore), Lalpet (dist Cuddalore) ,Labbaikudikadu (dist Perambalur), Thalaignayer (dist Nagapattinam), Radhapuram (dist Tirunelveli), Eraiyur (dist Perambalur) , Chidambaram (dist Cuddalore), Thirupathisaram Aws (dist Kanyakumari), Tambaram (dist Chengalpattu), Tirupoondi (dist Nagapattinam), K.m.koil (dist Cuddalore), Perambalur (dist Perambalur), Sendurai (dist Ariyalur), Mannargudi (dist Tiruvarur), Gingee (dist Villupuram) , Orthanad (dist Thanjavur) 1 each.

**Coastal Andhra Pradesh:**

Sullurpeta (dist Spsr Nellore) 2, Gudur (dist Spsr Nellore) 1, Kavali (dist Spsr Nellore) 1, Venkatagiri (dist Spsr Nellore) 1, Udayagiri (dist Spsr Nellore) 1

**Rayalaseema**

Thottambedu (dist Chittoor) 3, Srikalahasti (dist Chittoor) 2, Tirupati Aero (dist Chittoor) 1, Kodur (dist Ysr District) 1, Kalakada (dist Chittoor) 1, Chinnamandem (dist Ysr District) 1



**EXPECTED IMPACT & ACTION SUGGESTED DUE TO: Isolated very heavy rainfall with thunderstorm/lightning also very likely over Tamil Nadu, Puducherry & Karaikal on 31<sup>th</sup> October & 01<sup>st</sup> November; over Coastal Andhra Pradesh & Yanam on 01<sup>st</sup> November and over Rayalaseema on 01<sup>st</sup> & 02<sup>nd</sup> November, 2022.**

#### **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:** >204.4 mm.

**Region wise classification of meteorological Sub-Divisions:**

- 1) **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.
- 2) **Central India:** West Madhya Pradesh, East Madhya Pradesh, Vidarbha and Chhattisgarh.
- 3) **East India:** Bihar, Jharkhand, Sub-Himalayan West Bengal & Sikkim; Gangetic West Bengal, Odisha and Andaman & Nicobar Islands.
- 4) **Northeast India:** Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- 5) **West India:** Gujarat Region, Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra and Marathwada.
- 6) **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)



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

