



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

**Press Release
Date: 31st October, 2022
Time of Issue: 1200 hrs IST**

Subject: Heavy rainfall spell over south peninsular India during next 5 days.

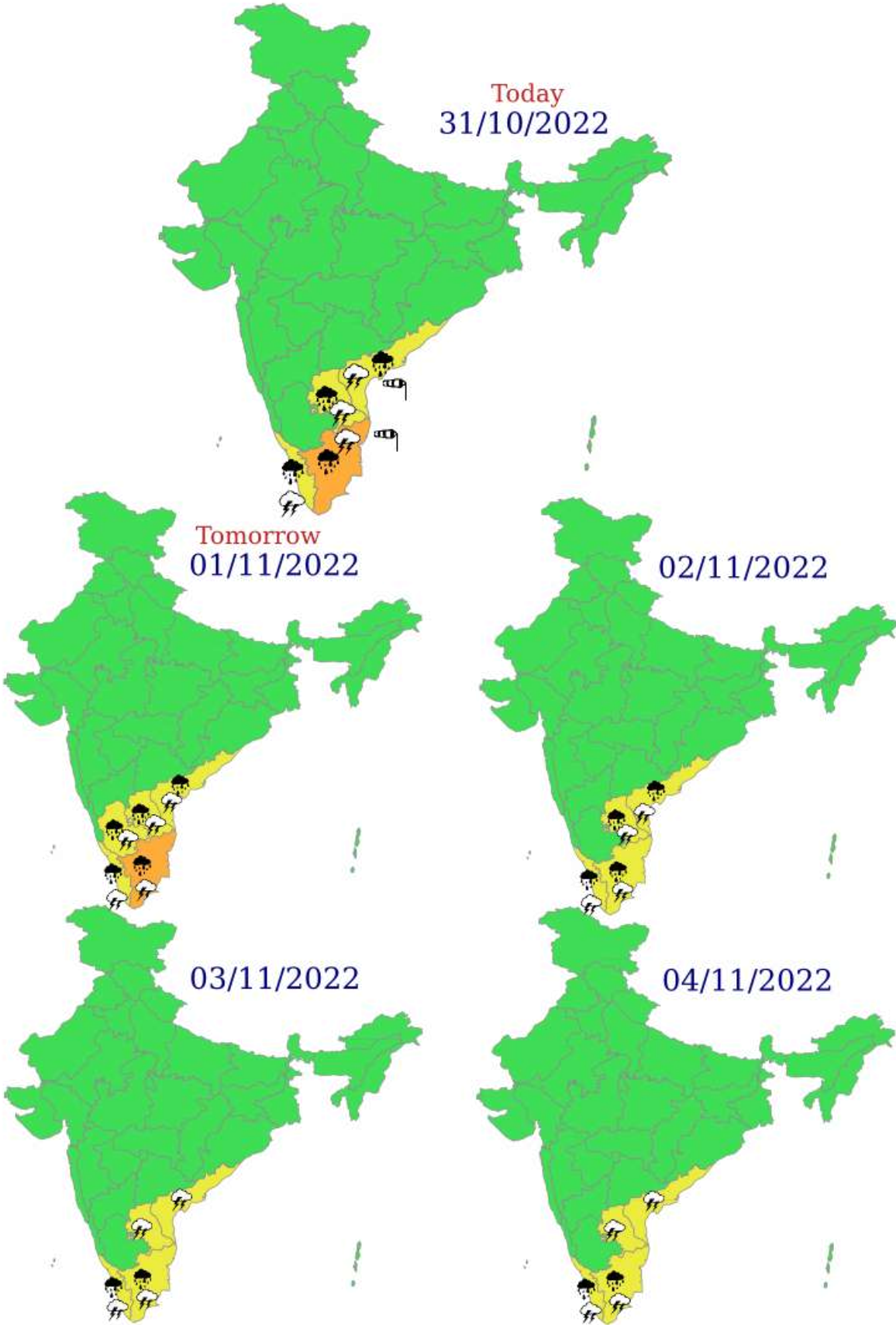
- ❖ **Weather observed during past 24 hours ending at 0830 hrs IST of today:**
- ❖ **Kerala & Mahe:** Kozhikode: Quilandy-7, Ernakulam: Ernakulam-7, Mattancherry-6, Piravom-5
- ❖ **Tamilnadu, Puducherry & Karaikal:** Ramanathapuram: Rameshwaram-5, Paramakudi-4; Chengalpattu: Kalambakkam-3; Namakkal: Namakkal-3

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

- Under the influence of northeasterly winds over Bay of Bengal & South Peninsular India; cyclonic circulation over Southwest Bay of Bengal off north Sri Lanka coast and a trough from this cyclonic circulation to southeast Arabian sea in the lower tropospheric levels;
 - ❖ Scattered/Fairly widespread light/moderate rainfall with **isolated heavy falls & thunderstorm/lightning** very likely over Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe during 31st October – 04th November; Coastal Andhra Pradesh & Yanam and Rayalaseema during 31st October – 02nd November and over South Interior Karnataka on 01st November, 2022. **Isolated very heavy rainfall** also very likely over Tamil Nadu, Puducherry & Karaikal on 31st October & 01st November, 2022.
- Under the influence of Western Disturbance;
 - ❖ Light/moderate rainfall at isolated places likely over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad and Himachal Pradesh on 31st October & 01st November, 2022.

For more details kindly refer:

https://mausam.imd.gov.in/imd_latest/contents/all_india_forecast_bulletin.php



EXPECTED IMPACT & ACTION SUGGESTED DUE TO: Isolated very heavy rainfall with thunderstorm/lightning over Tamil Nadu, Puducherry & Karaikal on 31st October & 01st 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.

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)



WARNING	
WARNING (TAKE ACTION)	
ALERT (BE PREPARED)	
WATCH (BE UPDATED)	
NO WARNING (NO ACTION)	

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

Thunderstorm with Lightning