



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

**Press Release  
Date: 09<sup>th</sup> November, 2022  
Time of Issue: 1315 hrs IST**

**Subject: i) Low Pressure Area over Southwest Bay of Bengal & adjoining Equatorial Indian Ocean.  
ii) Enhanced rainfall activity over south peninsular India during 11<sup>th</sup>-13<sup>th</sup> November.**

**Weather observed during past 24 hours ending at 0830 hrs IST of today:**

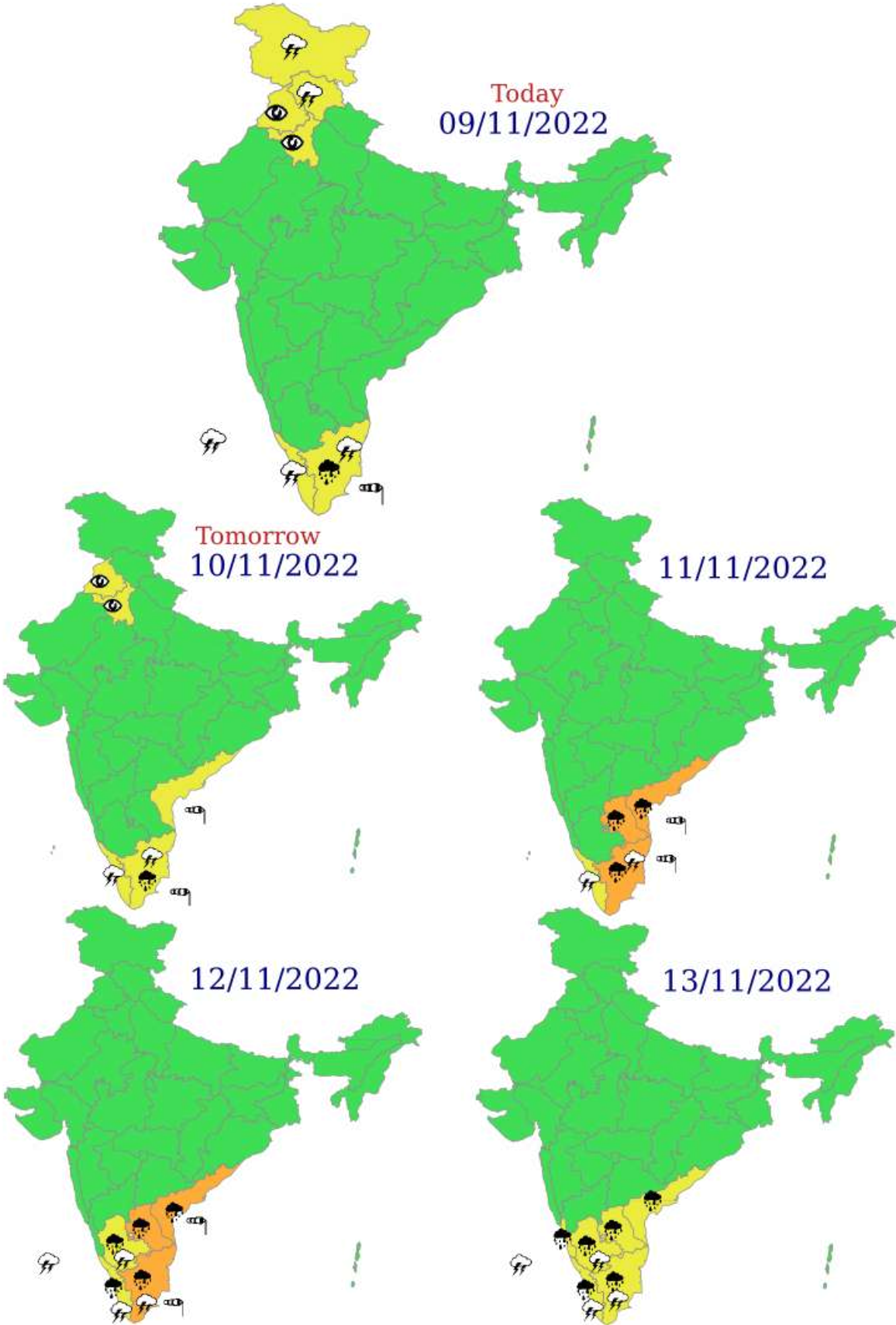
- ❖ **Heavy rainfall** occurred at isolated places over Kerala.
- ❖ **Rainfall (in cm): Kerala:** Kollam: Kottarakkara\_KVK-7, Punalur-4; Pathanamthitta: Kurudamannil-5; **Tamilnadu:** Karaikal-6.

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

- **Under the influence of cyclonic circulation over Southwest Bay of Bengal & adjoining Equatorial Indian Ocean, a Low Pressure area has formed over the same region today, the 09<sup>th</sup> November, 2022 and the associated cyclonic circulation extends upto mid tropospheric levels. It is likely to become more marked during next 48 hours. It is very likely to move northwestwards towards Tamilnadu-Puducherry coasts during 09<sup>th</sup>-12<sup>th</sup> November, 2022. Under its influence:**
  - ❖ Fairly widespread/widespread light/moderate rainfall with **isolated heavy falls & thunderstorm/lightning** very likely over Tamil Nadu, Puducherry & Karaikal during 09<sup>th</sup>-13<sup>th</sup> November, Rayalaseema and Coastal Andhra Pradesh during 11<sup>th</sup>-13<sup>th</sup> and over Kerala & Mahe on 12<sup>th</sup> & 13<sup>th</sup> November. Isolated **very heavy rainfall** also likely over Tamil Nadu, Puducherry & Karaikal, Rayalaseema and Coastal Andhra Pradesh on 11<sup>th</sup> & 12<sup>th</sup> November, 2022.
  - ❖ **Squally weather (speed reaching 45-55 kmph gusting to 65 kmph)** very likely to prevail over Southwest & adjoining Westcentral Bay of Bengal, Gulf of Mannar, Comorin area and along & off Tamilnadu during 09<sup>th</sup>-12<sup>th</sup> and along & off Andhra Pradesh during 10<sup>th</sup>-12<sup>th</sup> November, 2022. Fishermen are advised not to venture in to these areas during the same period.
- A Western Disturbance as a trough in westerlies in middle tropospheric levels runs along Long. 70°E to the north of Lat. 28°N and an induced cyclonic circulation lies over southwest Rajasthan & neighbourhood in lower tropospheric level. Under their influence;
  - ❖ Scattered/Fairly widespread light/moderate rainfall/snowfall likely over Jammu, Kashmir, Ladakh, Gilgit Baltistan & Muzaffarabad and over Himachal Pradesh during 09<sup>th</sup>-10<sup>th</sup> and isolated light/moderate rainfall/snowfall over Uttarakhand on 09<sup>th</sup> & 10<sup>th</sup> November, 2022.
  - ❖ Isolated light rainfall/drizzle likely over Punjab, Haryana on 09<sup>th</sup> & 10<sup>th</sup> and over West Uttar Pradesh and Rajasthan on 09<sup>th</sup> November, 2022.

For more details kindly refer:

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



**IMPACT EXPECTED & ACTION SUGGESTED DUE TO very heavy rainfall at isolated/some places over Tamil Nadu, Puducherry & Karaikal, Coastal Andhra Pradesh & Yanam and Rayalaseema on 11<sup>th</sup> & 12<sup>th</sup> November, 2022.**

**A. Impact Expected**

- Localized water logging in low lying areas 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.

**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>WARNING</b>	
WARNING (TAKE ACTION)	
ALERT (BE PREPARED)	
WATCH (BE UPDATED)	
NO WARNING (NO ACTION)	

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

**Thunderstorm with Lightning**