



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

**Press Release**

**Date: 13<sup>th</sup> November, 2021**

**Time of Issue: 1400 hrs IST**

**Subject: (i) Intense rainfall over Kerala and south Tamilnadu.**

**(ii) Low Pressure Area formed over south Andaman Sea & adjoining Thailand coast.**

**(Rainfall realised during past 24 hours ending at 0830 hrs IST of today)**

**(Given in Annexure I)**

**Weather Systems:**

- ◆ A Low Pressure Area has formed over south Andaman Sea & adjoining Thailand coast at 0830 hrs IST of today the 13<sup>th</sup> November 2021. It is likely to move west-northwestwards and concentrate into a Depression over north Andaman Sea & adjoining Southeast Bay of Bengal by 15<sup>th</sup> November. Then it is likely to continue to move west-northwestwards, intensify further and reach near Andhra Pradesh coast around 18<sup>th</sup> November 2021.
- ◆ A cyclonic circulation lies over north interior Tamil Nadu & neighbourhood in lower tropospheric levels. A trough runs from this cyclonic circulation to Gangetic West Bengal in lower tropospheric levels.
- ◆ Strong surface winds of the order of 40-50 kmph persists over southeast Arabian Sea, Kerala coast, Lakshadweep-Maldives-Comorin areas. This is likely to persist during next 2 days.

**Forecast and Warning**

**i. Rainfall warning:**

Light to moderate rainfall **with** Isolated **extremely heavy falls** very likely over south Kerala on 13<sup>th</sup> November; Isolated **very heavy rainfall** over South Odisha on 13<sup>th</sup>; over south Tamilnadu on 13<sup>th</sup> & 14<sup>th</sup>; over south Coastal Karnataka on 14<sup>th</sup>; over Andaman & Nicobar Islands and Kerala on 14<sup>th</sup> & 15<sup>th</sup>; over coastal Andhra Pradesh on 17<sup>th</sup> November. Isolated **Heavy rainfall** very likely over Coastal Andhra Pradesh on 13<sup>th</sup>; over South interior Karnataka during 13<sup>th</sup> to 16<sup>th</sup>; over Goa on 14<sup>th</sup> & 15<sup>th</sup> and coastal

Karnataka on 15<sup>th</sup> ; over Odisha on 14<sup>th</sup> & 17<sup>th</sup> November.

**(Refer Annexure II for warning graphic)**

**ii. Wind warning**

- Squally wind speed reaching 40-50 kmph gusting to 60 kmph likely to prevail over Andaman Sea & adjoining southeast Bay of Bengal on 13<sup>th</sup>, increase becoming 45-55 kmph gusting to 65 kmph over the same region on 14<sup>th</sup> & 15<sup>th</sup>, 55-65 kmph gusting to 75 kmph over west-central & adjoining east-central Bay of Bengal during 16<sup>th</sup> – 18<sup>th</sup> November 2021. Squally wind speed reaching 45-55 kmph gusting to 65 kmph likely to commence and along & off Andhra Pradesh & south Odisha coasts from 17<sup>th</sup> November 2021.
- Squally wind speed reaching 40-50 kmph gusting to 60 kmph over southeast Arabian Sea, Kerala coast, Lakshadweep-Maldives-Comorin areas on 13<sup>th</sup> & 14<sup>th</sup> November, 2021.

**iii. Fishermen Warning**

- Fishermen are advised not to venture into over southeast Arabian Sea, Kerala coast, Lakshadweep-Maldives-Comorin areas on 13<sup>th</sup> & 14<sup>th</sup> November; Andaman Sea & adjoining southeast Bay of Bengal during 13th - 15th November, over west-central & adjoining east-central Bay of Bengal during 16th – 18th November and along & off Andhra Pradesh & south Odisha coasts on 17th & 18th November 2021
- Fishermen out at Sea in the above areas of Bay of Bengal and Andaman Sea are advised to return to coast by 15th November 2021.

**(Graphics enclosed at Annexure III).**

**iv. Shallow to Moderate fog** in isolated pockets over Punjab, Haryana, Delhi and West Uttar Pradesh during next 3 days.

**For more details refer:**

[https://mausam.imd.gov.in/imd\\_latest/contents/subdivisionwise-warning.php](https://mausam.imd.gov.in/imd_latest/contents/subdivisionwise-warning.php)

**EXPECTED IMPACT & ACTION SUGGESTED** due to **Isolated Extremely Rainfall** over Kerala & Mahe on 13<sup>th</sup> and **Isolated Very Heavy Rainfall** over Kerala & Mahe during 14<sup>th</sup> & 15<sup>th</sup>; over south Coastal Karnataka on 14<sup>th</sup> ;over south Tamilnadu during 13<sup>th</sup> & 14<sup>th</sup>; over south Odisha on 13<sup>th</sup> ; over Andaman & Nicobar Islands during 14<sup>th</sup> & 15<sup>th</sup> and over Coastal Andhra Pradesh on 17<sup>th</sup> November, 2021.

#### **A. Impact Expected**

- Localized Flooding of roads, inundation and 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.

**Rainfall realised (cm) during past 24 hours ending at 0830 hrs IST of today:**

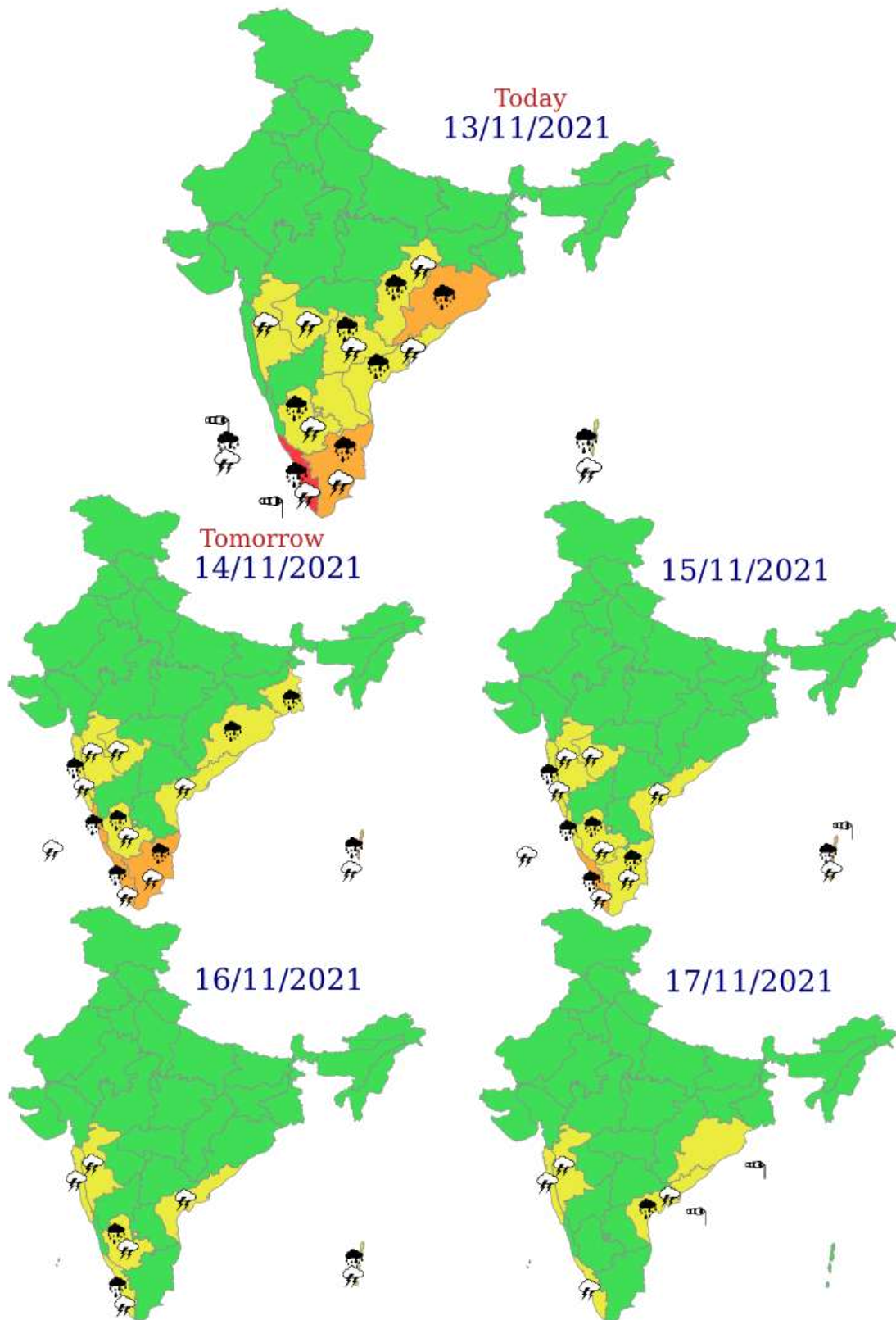
**Odisha: Ganjam:** Chhatrapur and Aska-14; Belaguntha, Bhanjanagar, Digapahandi-12; Gopalpur-10; Jagannath Prasad-9; **Puri:** Puri-12; Krishnaprasad-9; **Kendrapada:** Kendrapada-9; **Nayagarh:** Nayagarh-9;

**Kerala & Mahe: Thiruvananthapuram:** Vellayani and Neyyattinkara-13; Perumkadavila-11; Chakka-7; **Alapuzha:** Mancompu-8; **Ernakulam:** Ernakulam south-7;

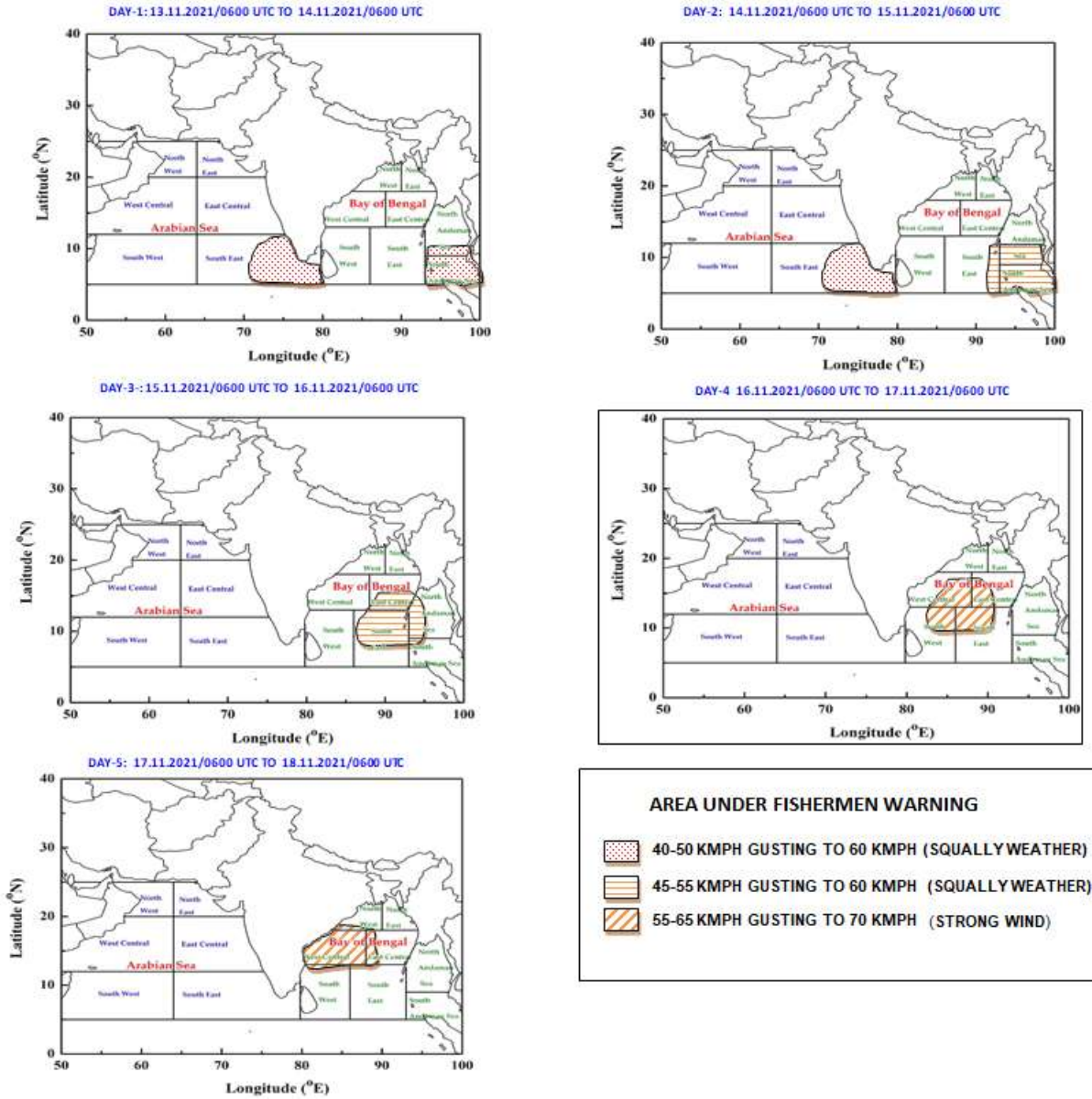
**Tamilnadu: Kanyakumari:** Suralacode-14; Thuckalay-13; Puranchani Dam-12; Eraniel, Kuzhithurai and Nagercoil-10; Chittar and Kottaram-9; Pechipori-8;

**Coastal Andhra Pradesh & Yanam: Srikakulam:** Palasa-14; Ichchapuram and Mandasa-13; Sompeta-10; **West Godavari:** Bhimadale-7.

## Annexure II



**INDIA METEOROLOGICAL DEPARTMENT  
FISHERMAN WARNING FOR BAY OF BENGAL AND ARABIAN SEA**





## 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:** Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad; Himachal Pradesh, 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)



Heavy Rain



Strong Winds



Thunderstorm with Lightning

### 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