Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release
Date: 23rd November, 2021
Time of Issue: 1300 hrs IST

Subject: Increase in rainfall activity over Tamilnadu, Puducherry & Karaikal, Andhra Pradesh & Yanam and Kerala & Mahe from 25th November, 2021.

Significant Rainfall (cm) during past 24 hours recorded at 0830 hrs IST of today:

- **Tamilnadu: Tirukullur:** Cholavaram and Redhill-7 each; **Dindigul:** Kamatchipuram-5; **Nilgiris:** Devala-5 and **Tenkashi:** Sivagiri-5;
- **Kerala: Idukki:** Myladupura-6.

Weather Systems:

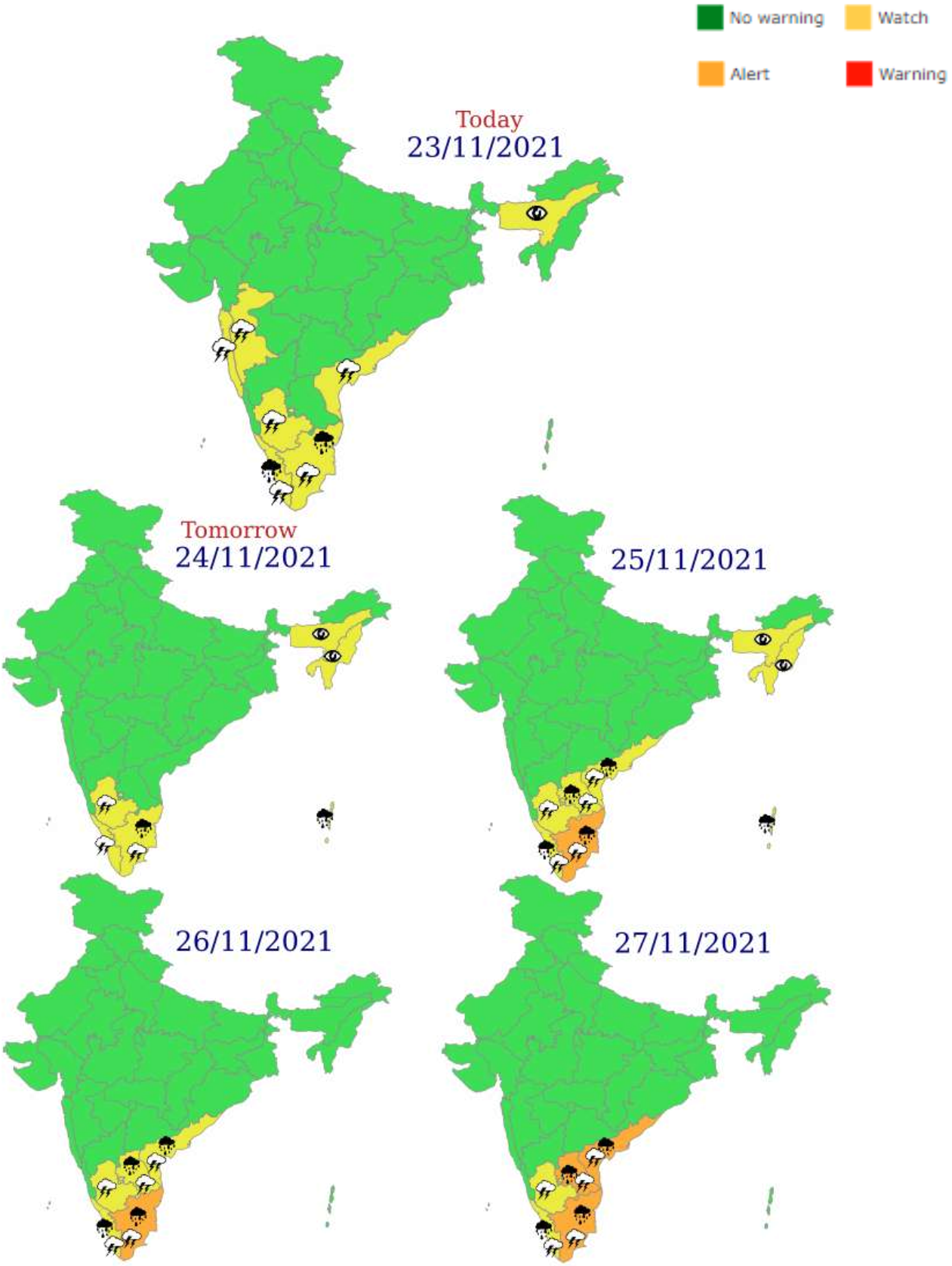
- A cyclonic circulation lies over central parts of South Bay of Bengal and extends upto mid-tropospheric levels. Under its influence, a Low Pressure Area is likely to form over southwest Bay of Bengal during next 24 hours. It is likely to move west-northwestwards towards Sri Lanka & south Tamilnadu coast.
- A trough runs from the cyclonic circulation over central parts of South Bay of Bengal to south Tamilnadu across Southwest Bay of Bengal in lower levels.

Forecast and warning:

- Light to moderate fairly widespread rainfall over Coastal Andhra Pradesh & Yanam, South Interior Karnataka, Kerala & Mahe and Tamilnadu, Puducherry & Karaikal during next 5 days.
- **Isolated heavy rainfall** very likely over Tamilnadu, Puducherry & Karaikal and Kerala & Mahe during next 5 days and over South Coastal Andhra Pradesh & Yanam and Rayalaseema during 25th-27th November, 2021. **(Annexure I)**
- **Isolated very heavy rainfall** also very likely over Tamilnadu, Puducherry & Karaikal during 25th-27th November and over South Coastal Andhra Pradesh & Yanam and Rayalaseema on 27th November, 2021. **(Annexure I)**
- **Squally wind** (speed reaching 40-50 kmph gusting to 60 kmph) likely over Southwest & adjoining Westcentral Bay of Bengal, along & off Tamilnadu-south Andhra Pradesh coasts and Gulf of Mannar on 26th & 27th November, 2021. **Fishermen are advised not venture into these areas. (Annexure II)**
- Gradual fall in minimum temperatures by 2-4°C very likely over most parts of East, West & Central India and gradual rise by 2-3°C over most parts of Northwest India during next 3-4 days.

For more details refer:
https://mausam.imd.gov.in/imd_latest/contents/subdivisionwise-warning.php

Annexure I


No warning
Watch
Alert
Warning
Today
23/11/2021
Tomorrow
24/11/2021
25/11/2021
26/11/2021
27/11/2021

EXPECTED IMPACT & ACTION SUGGESTED due to isolated very heavy Rainfall over Tamilnadu, Puducherry & Karaikal during 25th-27th November and over south Coastal Andhra Pradesh and Rayalaseema on 27th 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)

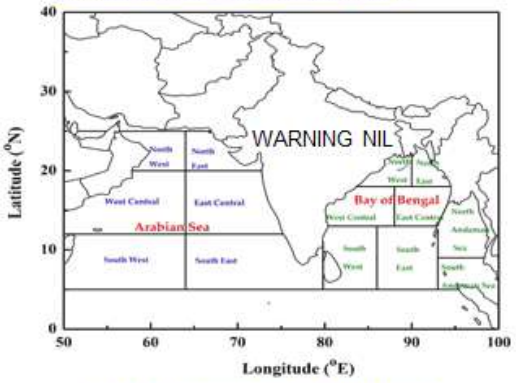
B. Action Suggested

- 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.

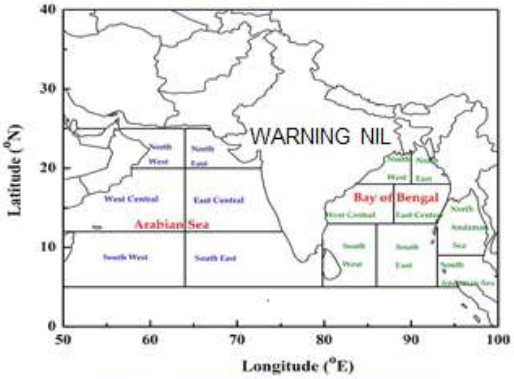
Annexure II

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

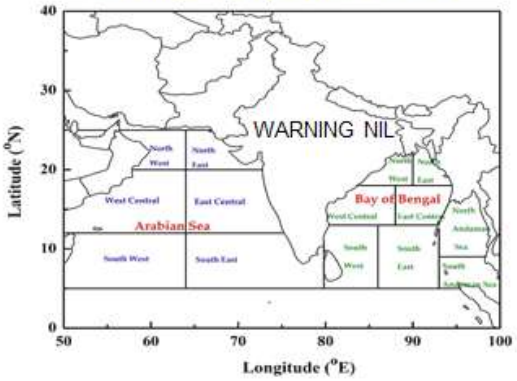
DAY-1: 23.11.2021/0600 UTC TO 24.11.2021/0600 UTC



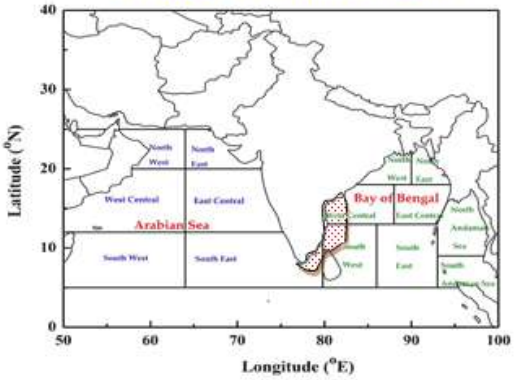
DAY-2: 24.11.2021/0600 UTC TO 25.11.2021/0600 UTC



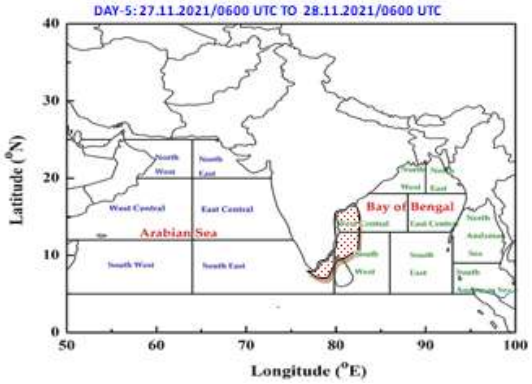
DAY-3-: 25.11.2021/0600 UTC TO 26.11.2021/0600 UTC



DAY-4 26.11.2021/0600 UTC TO 27.11.2021/0600 UTC



DAY-5: 27.11.2021/0600 UTC TO 28.11.2021/0600 UTC



AREA UNDER FISHERMEN WARNING

40-50 KMPH G TO 60 KMPH (SQ.WEATHER)

45-55 KMPH GUSTING TO 65 KMPH

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.

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 Widespred (FWS/ Many Places)	1-25	Isolated (ISOL)

Heavy Rain

Strong Winds

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