



**India Meteorological Department  
(Ministry of Earth Sciences)**

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**Sub: Depression over southwest Bay of Bengal.**

The Depression over southwest Bay of Bengal moved west-northwestwards with a speed of 21 kmph during past 06 hours and lay centred at 0530 hrs IST of 11<sup>th</sup> November 2021, over southwest Bay of Bengal, near Lat. 12.0°N and Long. 81.4°E, about 170 km east-southeast of Chennai and 170 km east of Puducherry. It is very likely to continue to move west-northwestwards and cross north Tamil Nadu & adjoining south Andhra Pradesh coasts around Chennai by the evening of today the, 11<sup>th</sup> November 2021.

Forecast track and intensity are given in the following table:

<b>Date/Time(IST)</b>	<b>Position (Lat. °N/ long. °E)</b>	<b>Maximum sustained surface wind speed (Kmph)</b>	<b>Category of cyclonic disturbance</b>
11.11.21/0530	12.0/81.4	45-55 gusting to 65	Depression
11.11.21/1730	12.9/80.3	45-55 gusting to 65	Depression
12.11.21/0530	13.6/79.2	40-50 gusting to 60	Depression

## **Warnings:**

### **(i) Rainfall (warning graphics enclosed)**

- **11<sup>th</sup> Nov.:** Light to moderate rainfall at most places **with heavy to very heavy rainfall at a few places & extremely heavy falls at isolated places** very likely over north coastal Tamil Nadu, Puducherry, north interior Tamil Nadu, south coastal Andhra Pradesh and Rayalaseema and **heavy rainfall** at isolated places over south interior Karnataka and north coastal Andhra Pradesh.
- **12<sup>th</sup> Nov.:** Light to moderate rainfall at many/most places with **heavy rainfall at isolated places** very likely over Tamil Nadu, Puducherry, coastal Andhra Pradesh, Rayalaseema south interior Karnataka.

### **(ii) Wind warning**

- Squally wind speed reaching 45-55 kmph gusting to 65 kmph likely to prevail over southwest & adjoining westcentral Bay of Bengal and along & off Tamil Nadu, Puducherry & south Andhra Pradesh coasts on 11<sup>th</sup> November.

### **(iii) Sea condition**

- Sea condition will be rough to very rough over southwest & adjoining west-central Bay of Bengal and along & off Tamil Nadu, Puducherry & south Andhra Pradesh coasts on 11<sup>th</sup> November.

### **(iv) Fishermen Warning**

- Fishermen are advised not to venture into southwest & adjoining west-central Bay of Bengal and along & off Tamil Nadu, Puducherry & south Andhra Pradesh coasts on 11<sup>th</sup> November (Graphics enclosed).

### **(v) EXPECTED IMPACT & ACTION SUGGESTED**

#### **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 squally wind and 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.

**(S. P. Singh)**  
**Scientist-C, RSMC, New Delhi**

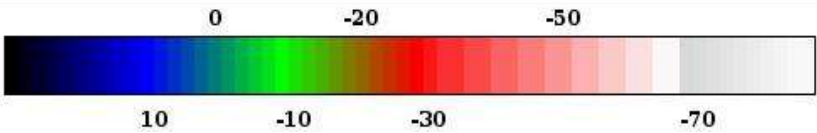
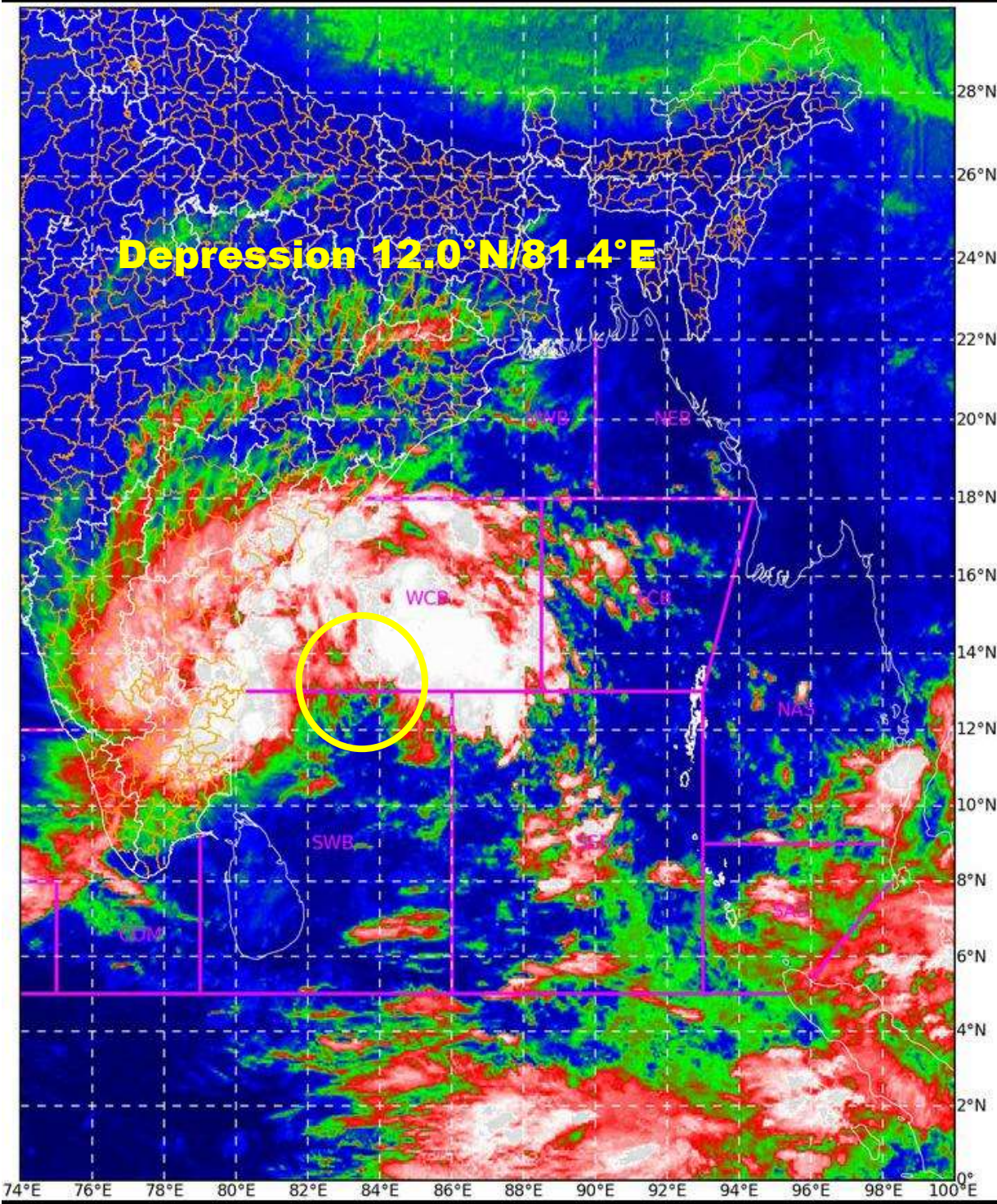
*Copy to: ACWC Mumbai/ CWC Ahmedabadr/MC Goa/CWC Thiruvanathapuram*

**LEGEND: Heavy Rainfall:** 64.5 to 115.5mm, **Very Heavy Rainfall:** 115.6 to 204.4mm **Most Places:** more than 76% of total stations, **Isolated Places:** Less than 25% of total stations

SAT : INSAT-3D IMG 11-11-2021/(0200 to 0226) GMT

IMG\_TIR1\_TEMP 10.8 um 11-11-2021/(0730 to 0756) IST

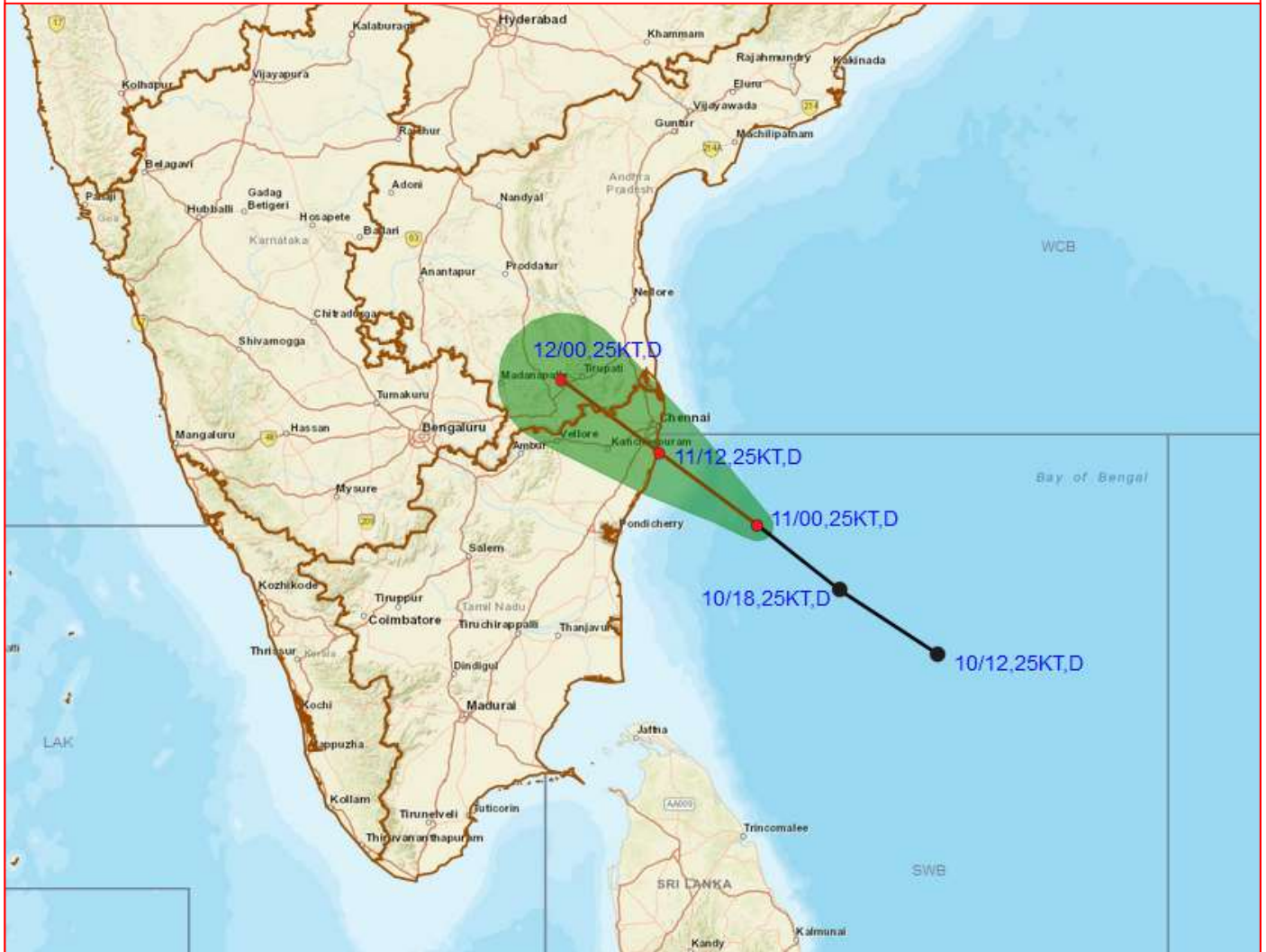
L1C Mercator



Celsius  
IMD, DELHI



# OBSERVED AND FORECAST TRACK ALONGWITH CONE OF UNCERTAINTY OF DEPRESSION OVER SOUTHWEST BAY OF BENGAL BASED ON 0000 UTC OF 11<sup>TH</sup> NOVEMBER, 2021



DATE/TIME IN UTC

IST=UTC + 0530

L: LOW PRESSURE AREA

WML: WELL MARKED LOW PRESSURE AREA

D: DEPRESSION (17-27 KT)

DD: DEEP DEPRESSION (28-33 KT)

CS: CYCLONIC STORM (34-47 KT)

SCS: SEVERE CYCLONIC STORM (48-63KT)

VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)

ECS: EXTREMELY SEVERE CYCLONIC STORM (90-119 KT)

SuCS: SUPER CYCLONIC STORM ( $\geq 20$  KT)

● LESS THAN 34 KT

⊙ 34-47 KT

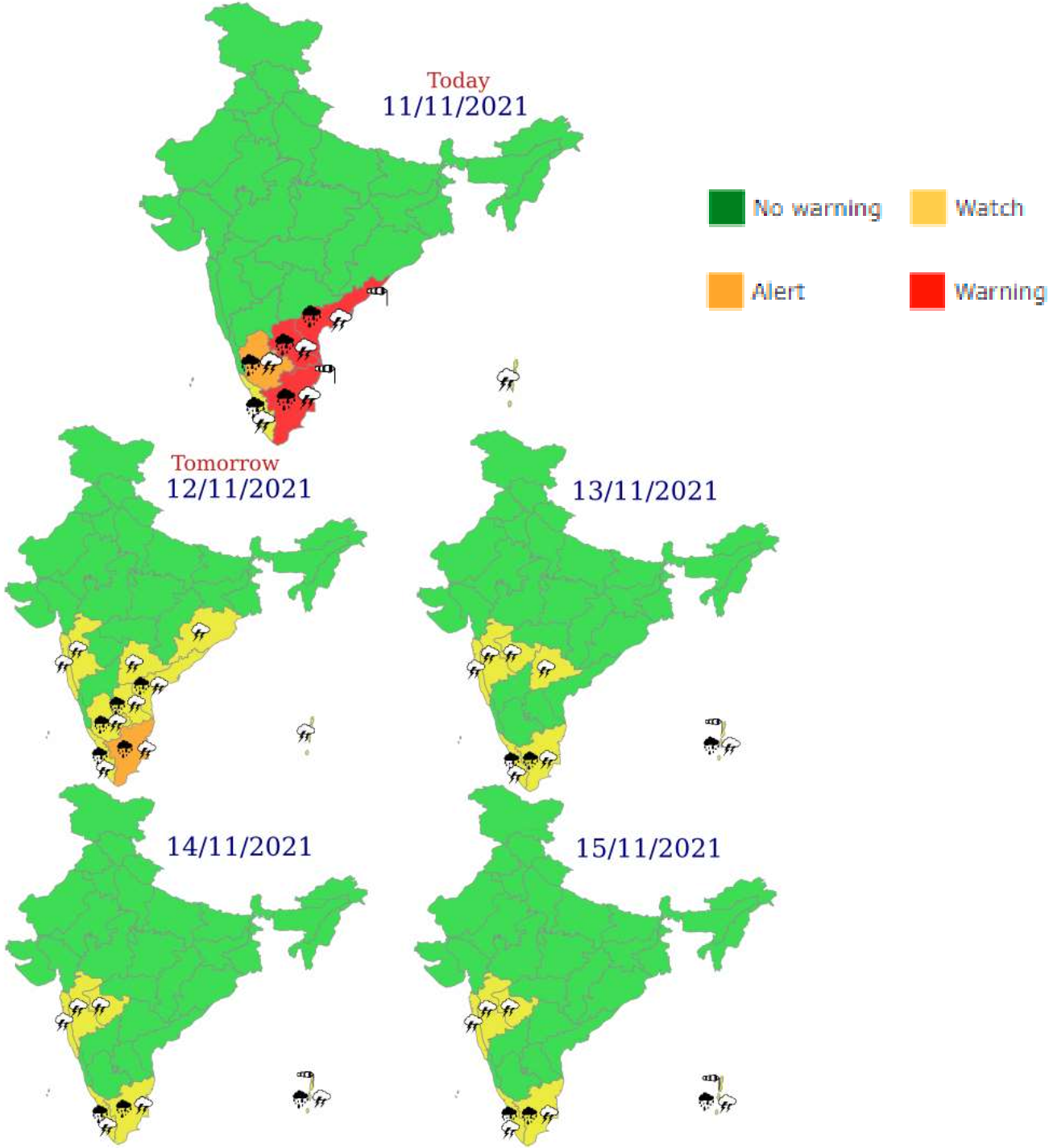
⊙  $\geq 48$  KT

— OBSERVED TRACK

— FORECAST TRACK

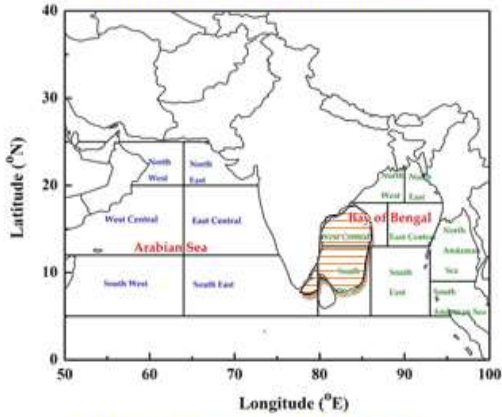
▲ CONE OF UNCERTAINTY

# Meteorological Sub-division level heavy rainfall warning

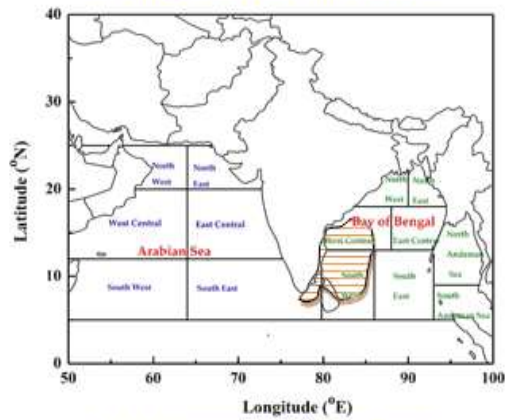


**INDIA METEOROLOGICAL DEPARTMENT**  
**FISHERMAN WARNING FOR BAY OF BENGAL AND ARABIAN SEA**

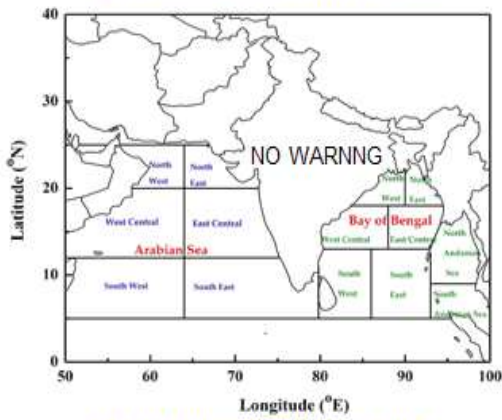
DAY-1: 10.11.2021/0600 UTC TO 11.11.2021/0600 UTC



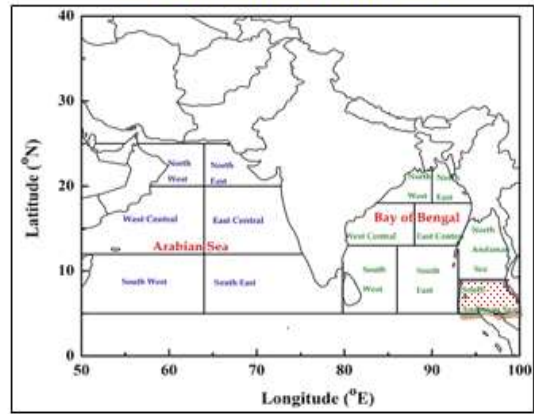
DAY-2: 11.11.2021/0600 UTC TO 12.11.2021/0600 UTC



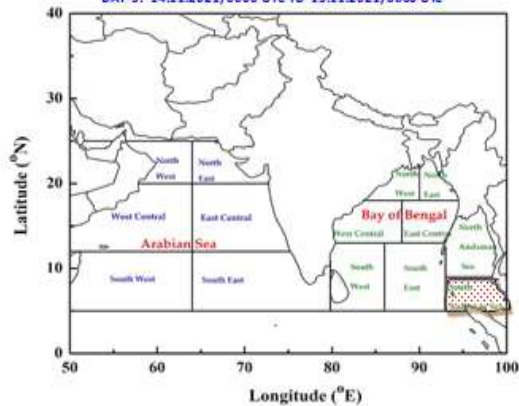
DAY-3: 12.11.2021/0600 UTC TO 13.11.2021/0600 UTC



DAY-4: 13.11.2021/0600 UTC TO 14.11.2021/0600 UTC



DAY-5: 14.11.2021/0600 UTC TO 15.11.2021/0600 UTC



**AREA UNDER FISHERMEN WARNING**

- 40-50 KMPH GUSTING TO 60 KMPH (SQUALLY WEATHER)
- 45-55 KMPH GUSTING TO 60 KMPH (SQUALLY WEATHER)
- 50-60 KMPH GUSTING TO 70 KMPH (STRONG WIND)