



India Meteorological Department  
(Ministry of Earth Sciences)

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**Sub: Depression over southwest Bay of Bengal off north Tamil Nadu coast.**

The Depression over southwest Bay of Bengal off north Tamil Nadu coast moved west-northwestwards with a speed of 18 kmph during past 6 hours and lay centred at 1730 hrs IST of today, the 18<sup>th</sup> November 2021, over southwest Bay of Bengal off north Tamil Nadu coast, near Lat. 11.8°N and Long. 80.9°E, about 150 km south-southeast of Chennai, 120 km east-southeast of Puducherry and 150 km east-northeast of Karaikal . It is very likely to continue to move west-northwestwards and cross north Tamilnadu & adjoining south Andhra Pradesh coasts between Puducherry & Chennai by early morning of tomorrow, the 19<sup>th</sup> November, 2021.

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

**18<sup>th</sup> Nov.:** Light to moderate rainfall at most places **with heavy to very heavy rainfall at a few places and extremely heavy falls at isolated places** very likely over Tamil Nadu, Puducherry & Karaikal, **heavy to very heavy rainfall and extremely heavy falls at isolated places** over adjoining districts of Rayalaseema and **heavy to very heavy rainfall at isolated places** over south coastal Andhra Pradesh & south interior Karnataka.

**(ii) Wind warning**

- Squally wind speed reaching 45-55 kmph gusting to 65 kmph likely to prevail over southwest & adjoining west-central Bay of Bengal and along & off Tamil Nadu, Puducherry and

adjoining south Andhra Pradesh coasts during next 12 hours and decrease gradually thereafter.

**(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 and adjoining south Andhra Pradesh coasts during next 12 hours and improve gradually thereafter.

**(iv) Fishermen Warning**

- Fishermen are advised not to venture into southwest & adjoining west-central Bay of Bengal and along & off Tamil Nadu, Puducherry and adjoining south Andhra Pradesh coasts during next 12 hours. (Graphics enclosed).

**(v) EXPECTED IMPACT (over Tamil Nadu, Puducherry and adjoining areas of Andhra Pradesh and Karnataka on 18<sup>th</sup> November) & 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 flood water 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.

Next Bulletin will be issued at 0230 IST of tomorrow, the 19<sup>th</sup> November 2021.

**(Sunitha Devi. S)**  
**Scientist-F, RSMC, New Delhi**

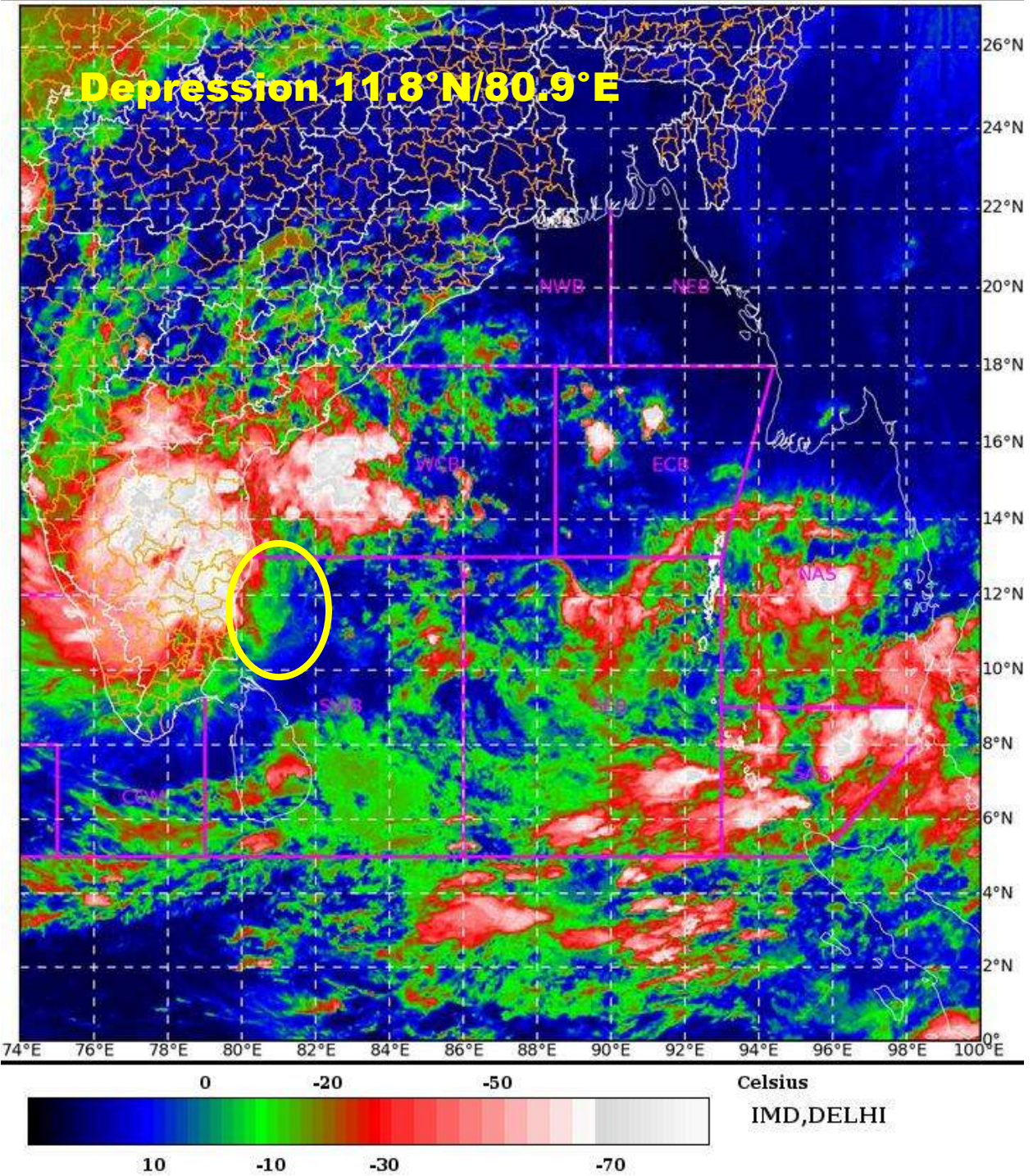
*Copy to: ACWC Mumbai/ CWC Ahmedabadr/MC Goa/CWC Thiruvananthapuram*

**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-3DR IMG 18-11-2021/(1245 to 1312) GMT

IMG\_TIR1\_TEMP 10.8 um 18-11-2021/(1815 to 1842) IST

L1C Mercator





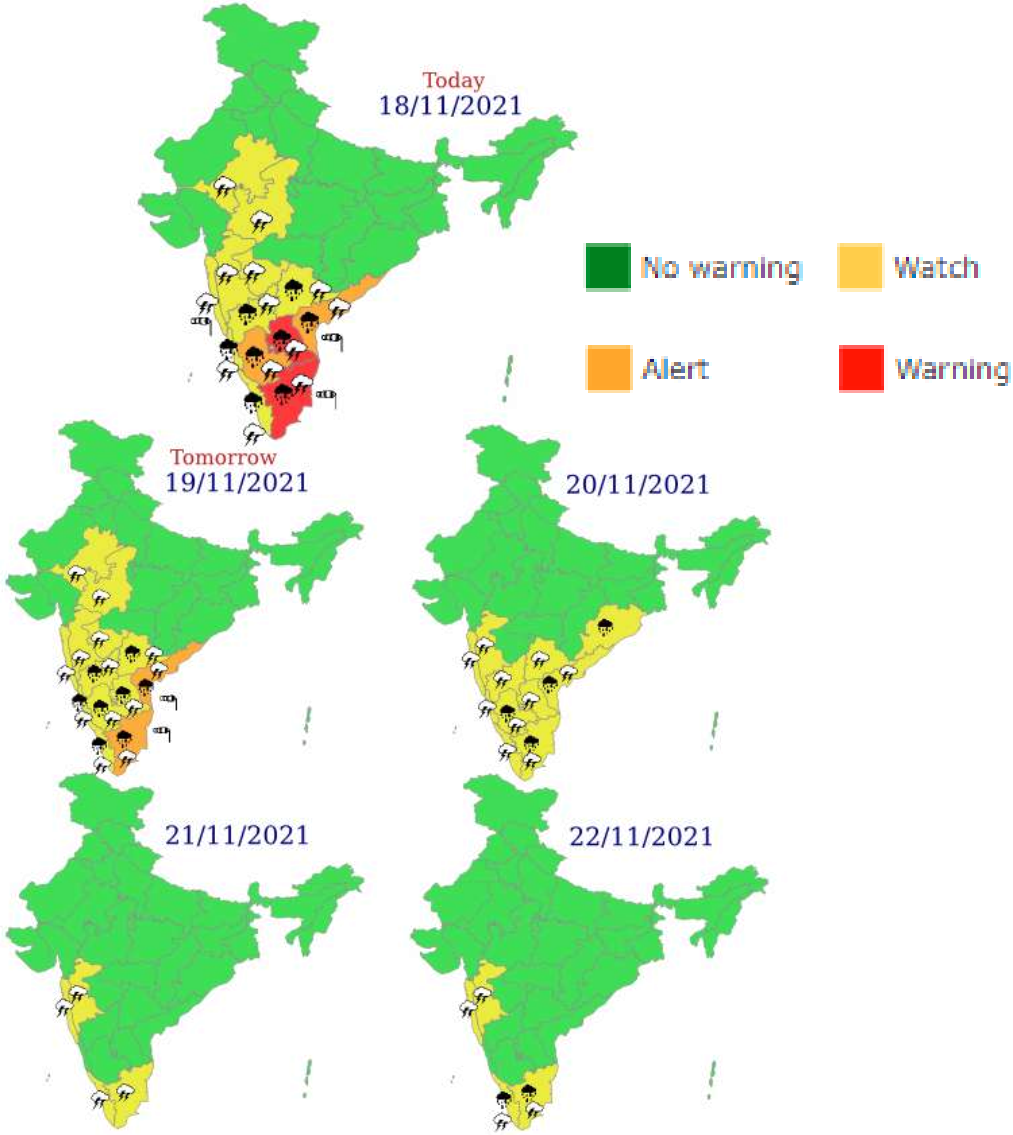
## OBSERVED AND FORECAST TRACK OF DEPRESSION OVER SOUTHWEST BAY OF BENGAL BASED ON 1200 UTC OF 18<sup>TH</sup> NOVEMBER, 2021



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)  
ESCS: EXTREMELY SEVERE CYCLONIC STORM (90-119 KT)  
SuCS: SUPER CYCLONIC STORM ( $\geq$  120 KT)

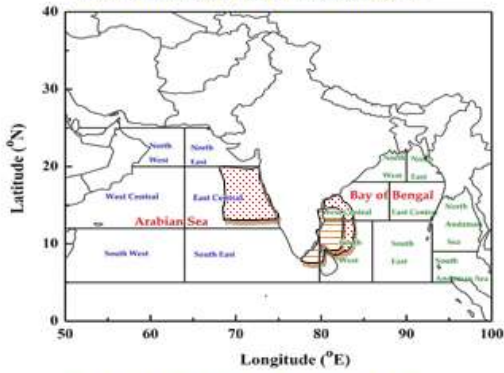
-  LESS THAN 34 KT
-  34-47 KT
-   $\geq$  48 KT
-  OBSERVED TRACK
-  FORECAST TRACK
-  CONE OF UNCERTAINTY

# Meteorological Sub-division level heavy rainfall warning

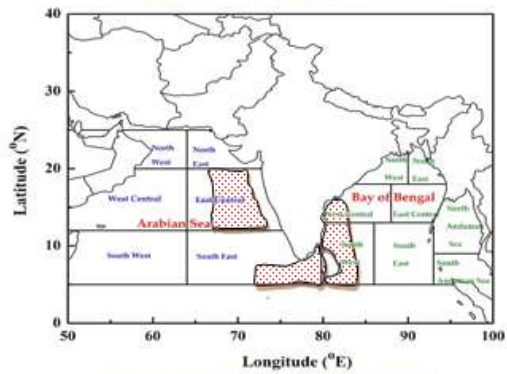


**INDIA METEOROLOGICAL DEPARTMENT  
FISHERMAN WARNING FOR BAY OF BENGAL AND ARABIAN SEA**

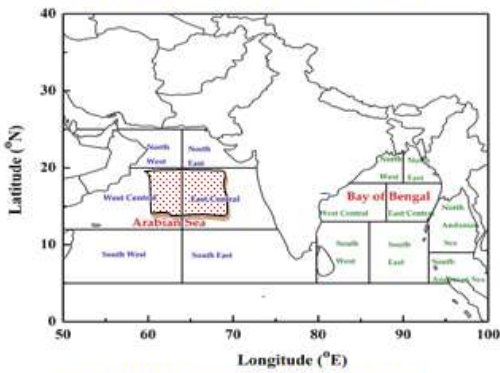
DAY-1: 18.11.2021/0600 UTC TO 19.11.2021/0600 UTC



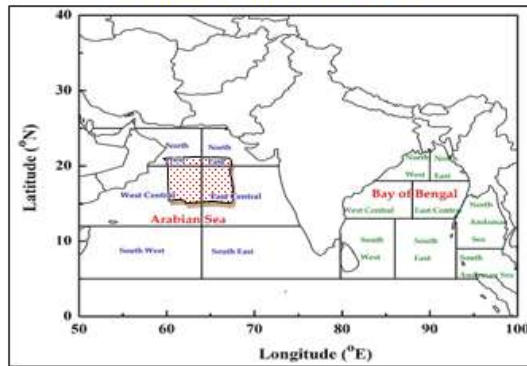
DAY-2: 19.11.2021/0600 UTC TO 20.11.2021/0600 UTC



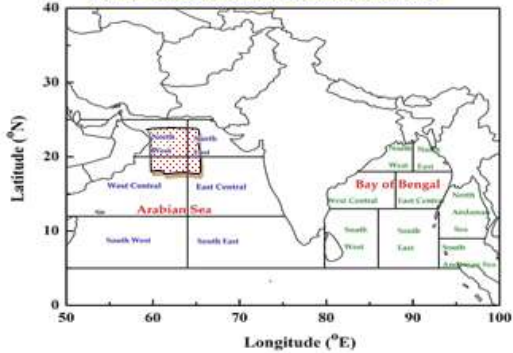
DAY-3: 20.11.2021/0600 UTC TO 21.11.2021/0600 UTC



DAY-4: 21.11.2021/0600 UTC TO 22.11.2021/0600 UTC



DAY-5: 22.11.2021/0600 UTC TO 23.11.2021/0600 UTC



**AREA UNDER FISHERMEN WARNING**

- 40-50 KMPH GUSTING TO 60 KMPH (SQUALLY WEATHER)
- 45-55 KMPH GUSTING TO 60 KMPH (SQUALLY WEATHER)
- 55-65 KMPH GUSTING TO 70 KMPH (STRONG WIND)