



India Meteorological Department
(Ministry of Earth Sciences)

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Sub: Depression over southwest Bay of Bengal.

Latest Satellite & meteorological observations indicate that a Depression has formed over southwest Bay of Bengal and lay centred at 0830 hrs IST of today, the 18th November 2021, over southwest Bay of Bengal off north Tamil Nadu coast, near Lat. 11.0°N and Long. 82.3°E, about 310 km southeast of Chennai , 290 km east-southeast of Puducherry and 270 km east-northeast of Karaikal . It is very likely to move west-northwestwards and cross north Tamilnadu & adjoining south Andhra Pradesh coasts around Chennai by the early morning of tomorrow, the 19th November, 2021.

(i) Rainfall (warning graphics enclosed)

18th 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 24 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 24 hours and decrease 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 24 hours. (Graphics enclosed).

(v) EXPECTED IMPACT (over Tamil Nadu, Puducherry and adjoining areas of Andhra Pradesh and Karnataka on 18th 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 update will be issued at 1430 IST of today, the 18th November 2021.

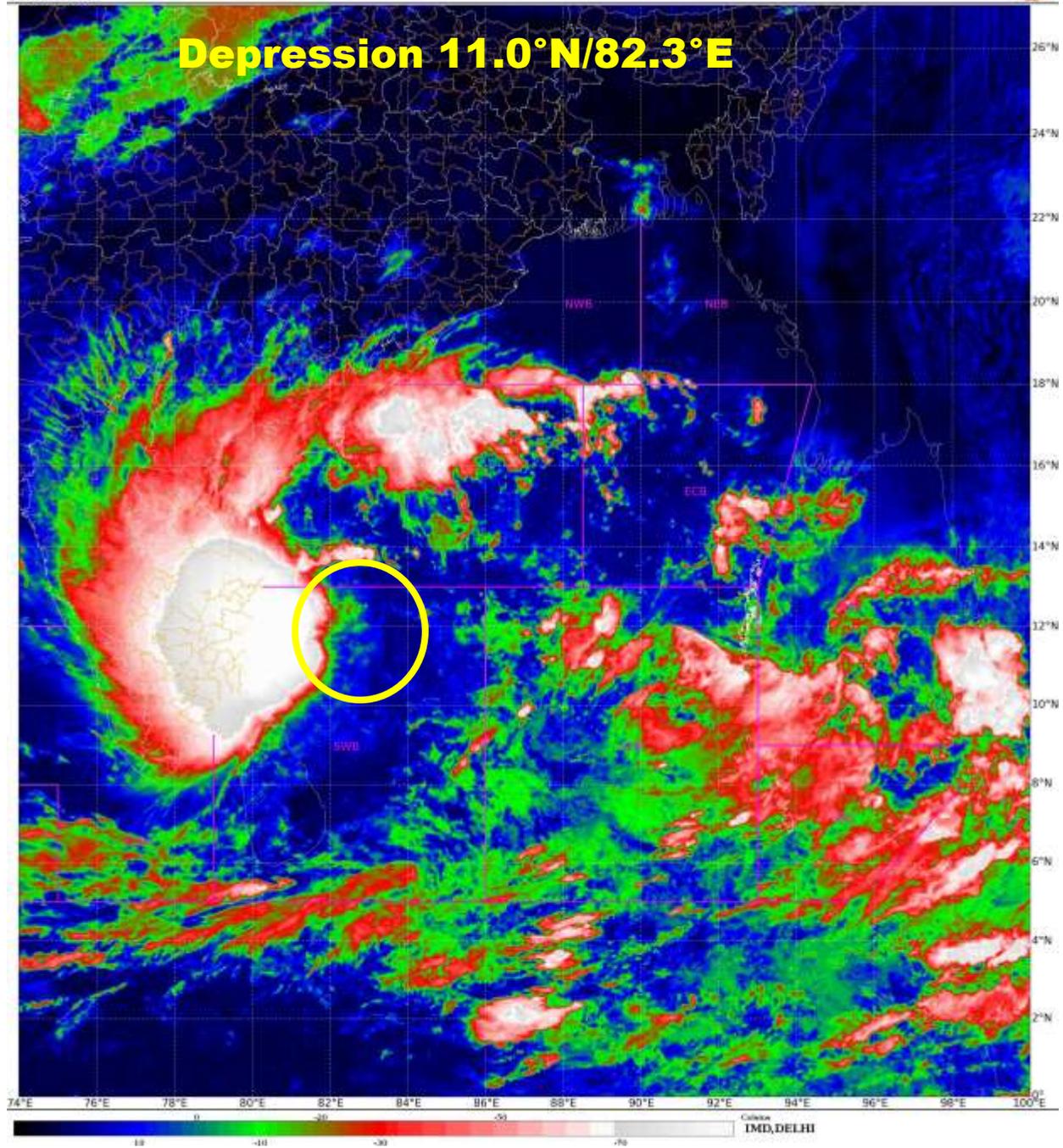
(Sunitha Devi. S)
Scientist-F, RSMC, New Delhi

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



Depression 11.0°N/82.3°E





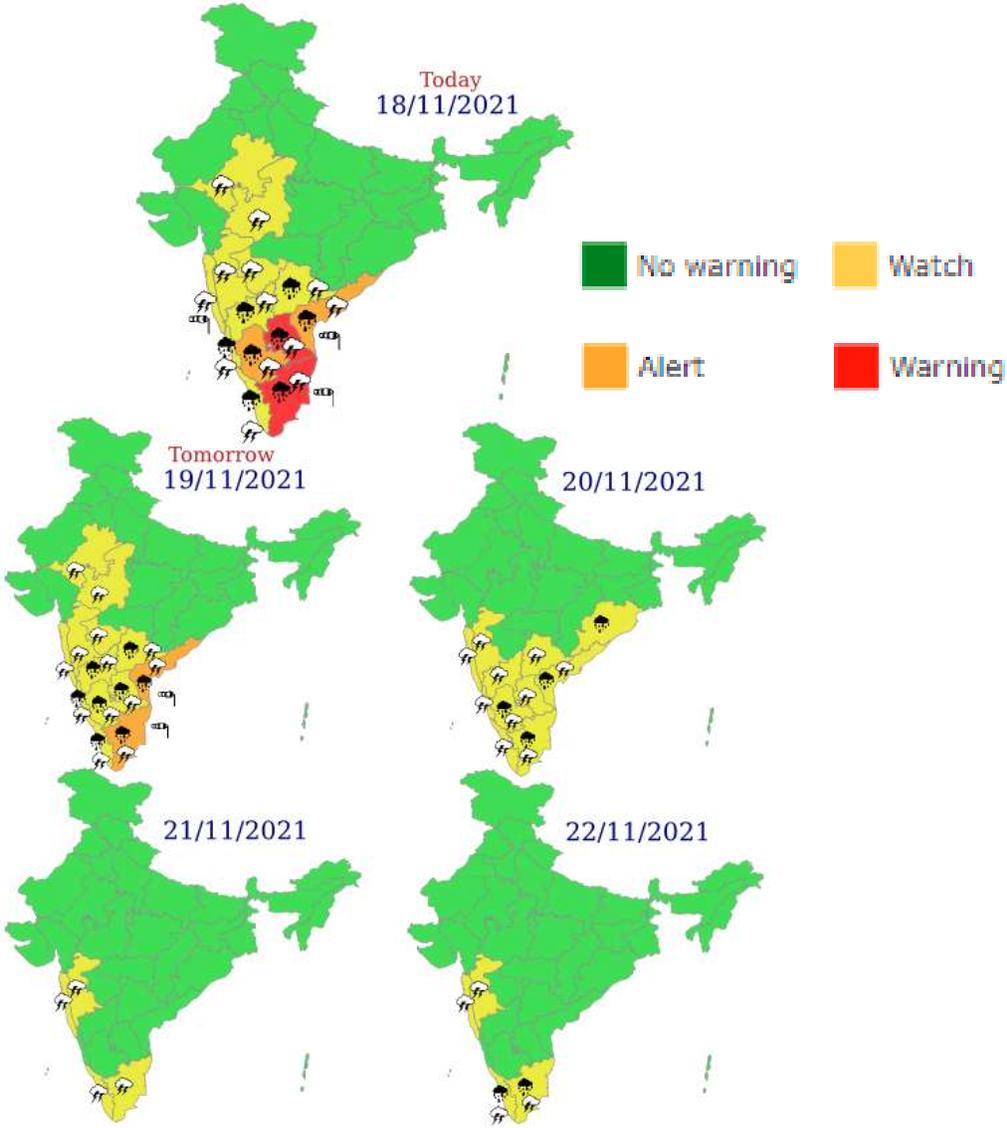
OBSERVED AND FORECAST TRACK OF DEPRESSION OVER SOUTHWEST BAY OF BENGAL OFF NORTH TAMILNADU COAST BASED ON 0300 UTC OF 18TH NOVEMBER, 2021



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)

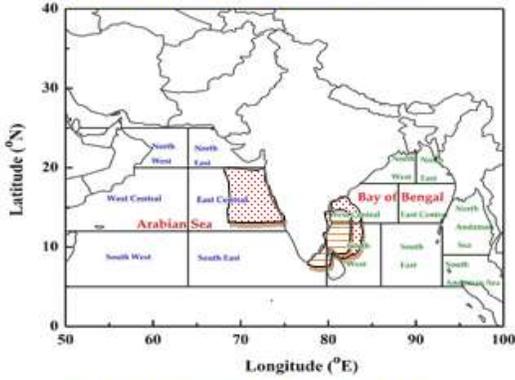
-  LESS THAN 34 KT
-  34-47 KT
-  \geq 48 KT
-  OBSERVED TRACK
-  FORECAST TRACK
-  CONE OF UNCERTAINTY

Meteorological Sub-division level heavy rainfall warning

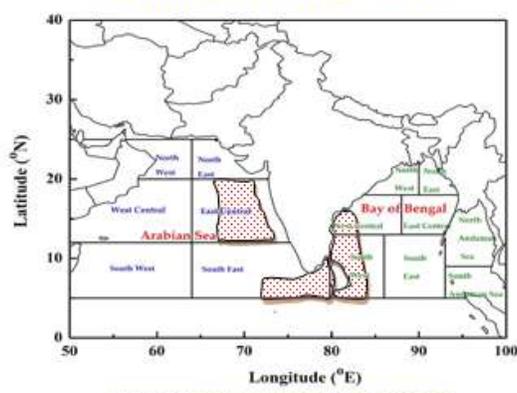


INDIA METEOROLOGICAL DEPARTMENT
FISHERMAN WARNING FOR BAY OF BENGAL AND ARABIAN SEA

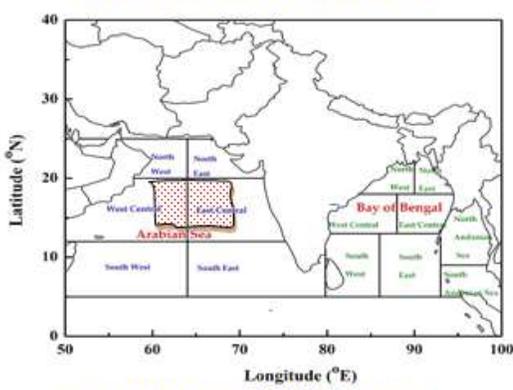
DAY-1: 18.11.2021/0600 UTC TO 19.11.2021/0600 UTC



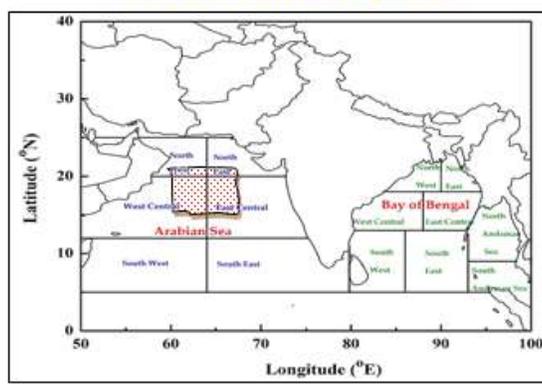
DAY-2: 19.11.2021/0600 UTC TO 20.11.2021/0600 UTC



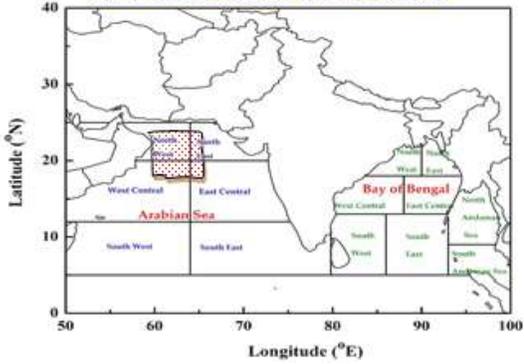
DAY-3: 20.11.2021/0600 UTC TO 21.11.2021/0600 UTC



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)