



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

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TIME OF ISSUE: 0730 HOURS IST

DATED: 19.11.2021

FROM: INDIA METEOROLOGICAL DEPARTMENT (FAX NO. 24643965/24699216/24623220)

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Sub: Depression over north coastal Tamil Nadu and neighbourhood

The Depression over southwest Bay of Bengal off north Tamil Nadu coast moved west-northwestwards and crossed north Tamilnadu & adjoining south Andhra Pradesh coasts between Puducherry & Chennai near Lat. 12.45°N and Long., 80.1°E during 0300-0400 hrs IST of today, the 19th November, 2021. The Depression lay centred at 0530 hrs IST of 19th November 2021, over north coastal Tamil Nadu and neighbourhood, near Lat. 12.5°N and Long. 80.0°E, about 60 km south-southwest of Chennai and 60 km north- northeast of Puducherry. It is very likely to continue to move west-northwestwards and weaken gradually into a Well Marked Low Pressure Area during next 12 hours.

(i) Rainfall (warning graphics enclosed)

19th Nov.: Light to moderate rainfall at most places with **heavy to very heavy rainfall** at isolated places very likely over south coastal Andhra Pradesh, Rayalaseema and south interior Karnataka and **heavy rainfall** at isolated places over north Tamil Nadu, Puducherry, Telangana, coastal and north 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 06 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 06 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 06 hours. (Graphics enclosed).

(v) EXPECTED IMPACT (over south coastal Andhra Pradesh, Rayalaseema and south interior Karnataka on 19th 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 kutchra 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

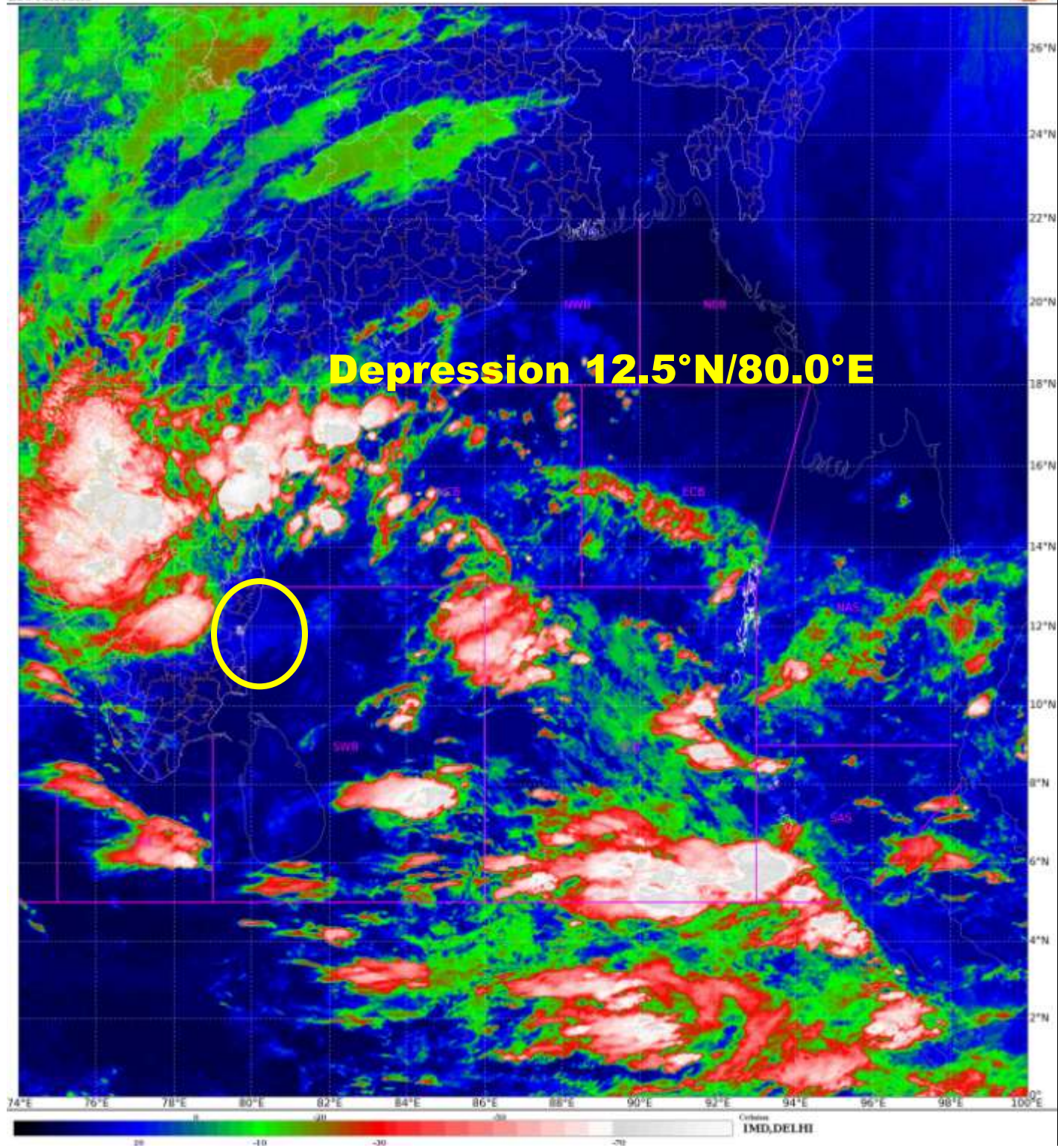
- Check for traffic congestion on your route before leaving for your destination.
- Follow any traffic advisories that are issued in this regard.
- Avoid going to areas that face the water logging problems often.
- Avoid staying in vulnerable structure.

Next Bulletin will be issued at 1130 IST of today, the 19th November 2021.

(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





OBSERVED AND FORECAST TRACK OF DEPRESSION OVER NORTH COASTAL TAMIL NADU BASED ON 0000 UTC OF 19TH NOVEMBER, 2021

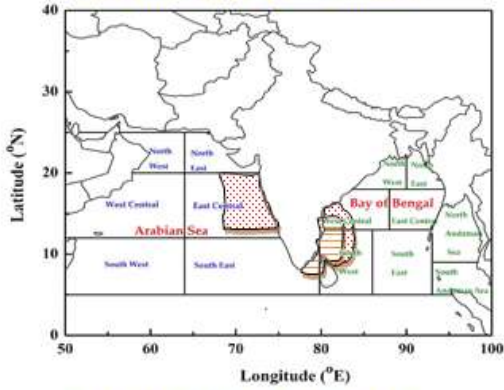


DATE/TIME IN UTC
IST=UTC + 0530
L: LOW PRESSURE AREA
WML: WELL MARKED LOW PRESSURE AREA
D: DEPRESSION (17-27 KT)
DD: DEEP DEPRESSION (28-33 KT)
CS: CYCLONIC STORM (34-47 KT)
SCS: SEVERE CYCLONIC STORM (48-63KT)
VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)
ESCS: EXTREMELY SEVERE CYCLONIC STORM (90-119 KT)
SuCS: SUPER CYCLONIC STORM (\geq 120 KT)

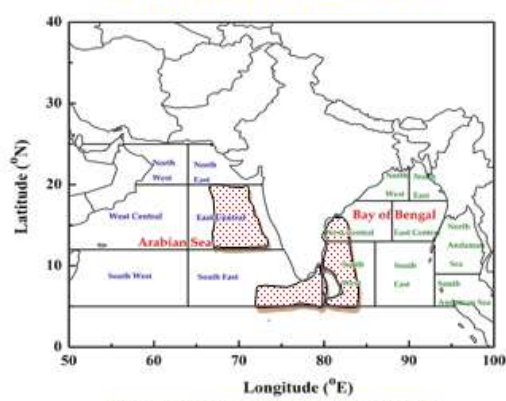
- LESS THAN 34 KT
- 34-47 KT
- \geq 48 KT
- OBSERVED TRACK
- FORECAST TRACK
- CONE OF UNCERTAINTY

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

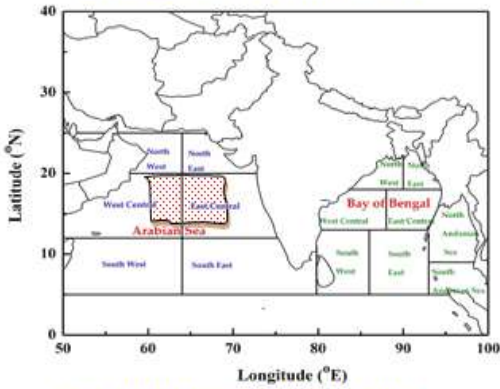
DAY-1: 18.11.2021/0600 UTC TO 19.11.2021/0600 UTC



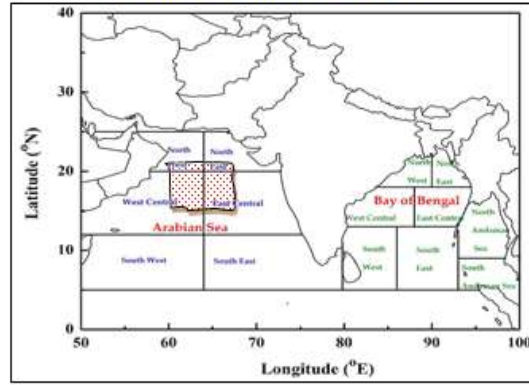
DAY-2: 19.11.2021/0600 UTC TO 20.11.2021/0600 UTC



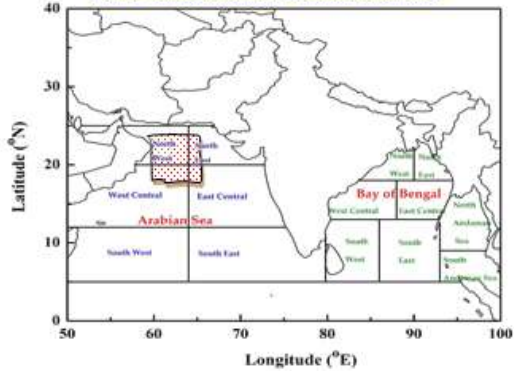
DAY-3: 20.11.2021/0600 UTC TO 21.11.2021/0600 UTC



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)