



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

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

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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 27 kmph during past 06 hours and lay centred at 2330 hrs IST of 10th November 2021, over southwest Bay of Bengal, near Lat. 11.3°N and Long. 82.3°E, about 300 km east-southeast of Chennai and 280 km east-southeast of Puducherry. It is very likely to continue to move west-northwestwards and cross north Tamil Nadu & adjoining south Andhra Pradesh coasts between Karaikal & Sriharikota close to the north of Puducherry by the evening of 11th November 2021.

Forecast track and intensity are given in the following table:

Date/Time(IST)	Position (Lat. °N/ long. °E)	Maximum sustained surface wind speed (Kmph)	Category of cyclonic disturbance
10.11.21/2330	11.3/82.3	45-55 gusting to 65	Depression
11.11.21/1130	12.0/80.8	45-55 gusting to 65	Depression
11.11.21/2330	12.6/79.2	45-55 gusting to 65	Depression

Warnings:

(i) Rainfall (warning graphics enclosed)

- **11th 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.
- **12th 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 11th 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 11th 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 11th 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)

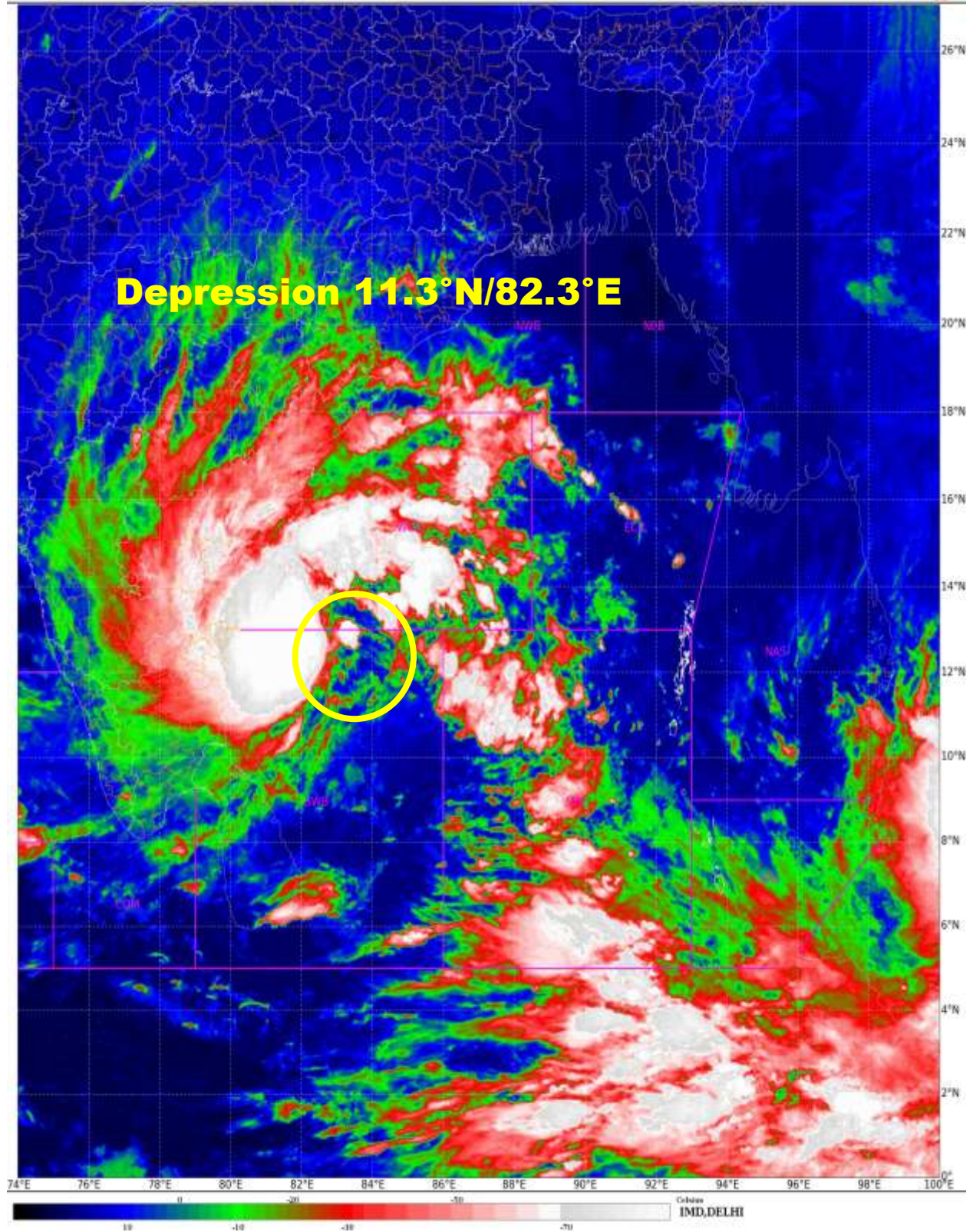
B. Action Suggested

- 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

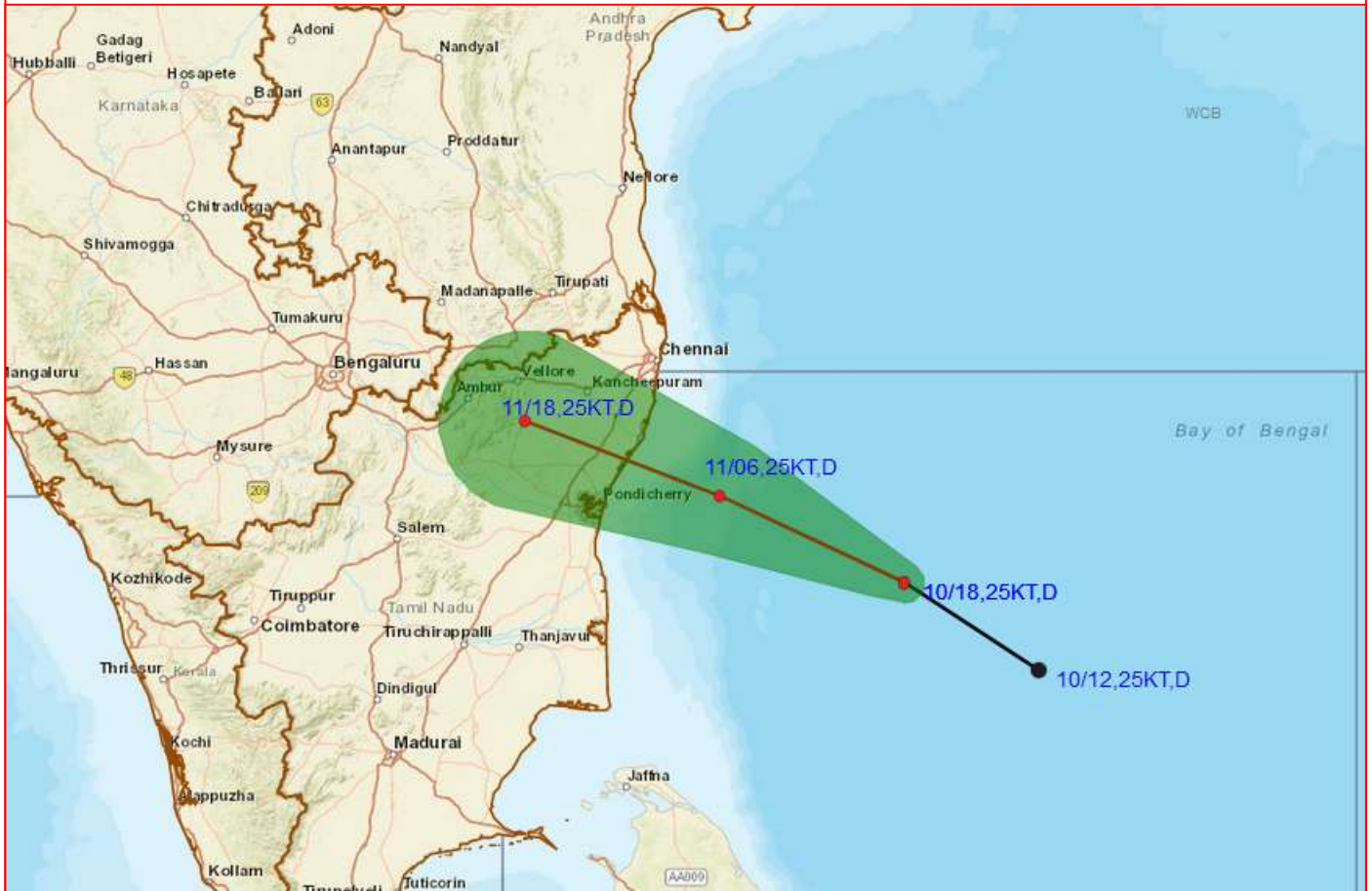
Copy to: ACWC Mumbai/ CWC Ahmedabadr/MC Goa/CWC Thiruvanathapuram

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







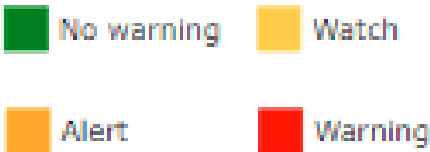
OBSERVED AND FORECAST TRACK ALONGWITH CONE OF UNCERTAINTY OF DEPRESSION OVER SOUTHWEST BAY OF BENGAL BASED ON 1800 UTC OF 10TH NOVEMBER, 2021



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 (≥ 20 KT)

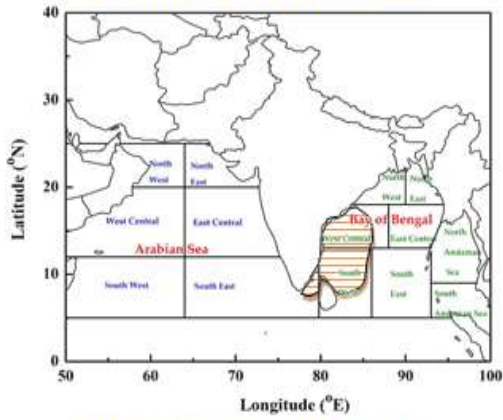
-  LESS THAN 34 KT
-  34-47 KT
-  ≥ 48 KT
-  OBSERVED TRACK
-  FORECAST TRACK
-  CONE OF UNCERTAINTY

Meteorological Sub-division level heavy rainfall warning

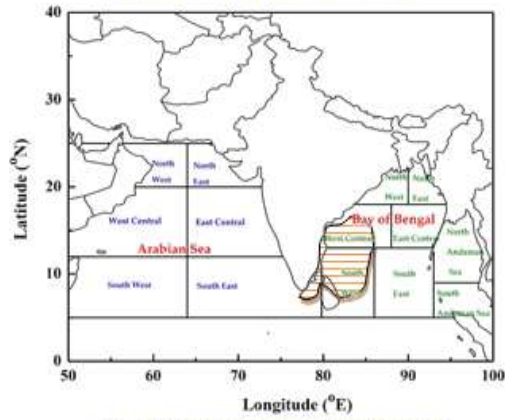


INDIA METEOROLOGICAL DEPARTMENT
FISHERMAN WARNING FOR BAY OF BENGAL AND ARABIAN SEA

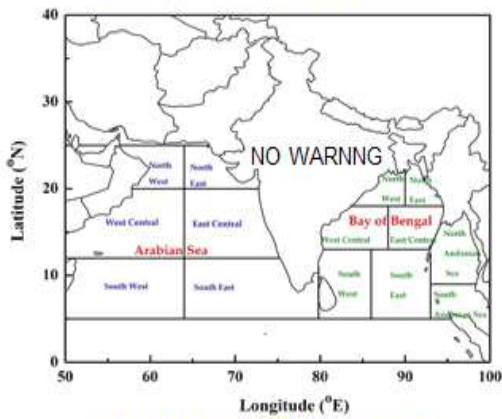
DAY-1: 10.11.2021/0600 UTC TO 11.11.2021/0600 UTC



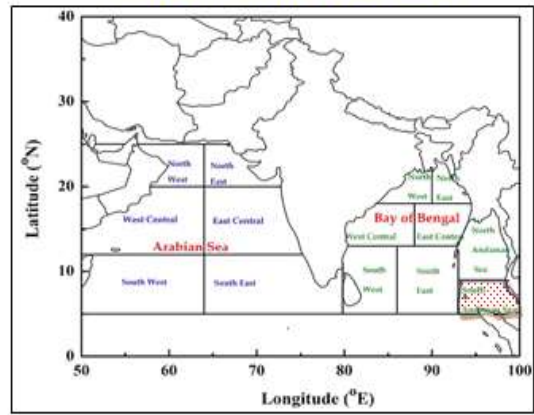
DAY-2: 11.11.2021/0600 UTC TO 12.11.2021/0600 UTC



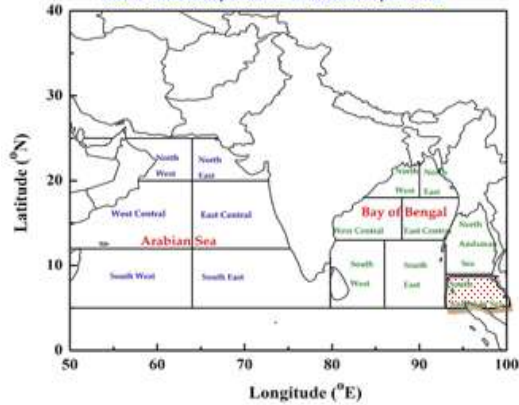
DAY-3: 12.11.2021/0600 UTC TO 13.11.2021/0600 UTC



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)