



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

BULLETIN NO. 4 (BOB/08/2022)

TIME OF ISSUE: 2000 HOURS IST

DATED: 20.11.2022

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Sub: Depression over southwest Bay of Bengal

The depression over southwest and adjoining southeast Bay of Bengal moved north-northwestwards with a speed of 12 kmph during past 6 hours and lay centred at 1730 hours IST of today, the 20th November, 2022 over the southwest Bay of Bengal, near latitude 10.9° N and longitude 85.0° E, about 560 km east-northeast of Jaffna (Sri Lanka), 560 km east of Karaikal and 570 km east-southeast of Chennai.

It is very likely to maintain its intensity of depression and move slowly northwestwards till early morning of 22nd November. Thereafter, it is likely to move west-northwestwards and weaken gradually into a well marked low pressure area while moving towards south Andhra Pradesh and North Tamilnadu-Puducherry coasts during subsequent 24 hours.

Warnings:

(i) Rainfall (warning graphics enclosed)

- ❖ Light to moderate rainfall is likely over coastal Andhra Pradesh and adjoining north Tamil Nadu & Rayalaseema on 20th November. The intensity of rainfall is likely to increase with light to moderate rainfall at many places & isolated heavy rainfall over North Tamilnadu-Puducherry and south coastal Andhra Pradesh & Rayalaseema on 21st and 22nd November and light to moderate rainfall at a few places over North coastal Andhra Pradesh during the same period. Light to moderate rainfall is likely over North Tamil Nadu-Puducherry, South Coastal Andhra Pradesh and Rayalseema on 23rd November.

(ii) Wind warning:

- ❖ **Squally wind speed reaching 45-55 kmph gusting to 65 kmph is likely to prevail over** Southwest and adjoining Westcentral Bay of Bengal and along & off Andhra Pradesh, Tamil Nadu, Puducherry and Sri Lanka coasts till 22nd November morning and decrease gradually thereafter.
- ❖ **Squally weather with wind speed reaching 40-45 kmph gusting to 55 kmph is likely to prevail over** Gulf of Mannar on 21st & 22nd November.

(iii) Sea condition

- ❖ **Sea condition will be rough to very rough** over Southwest and adjoining Westcentral Bay of Bengal and along & off Andhra Pradesh, Tamil Nadu, Puducherry, Sri Lanka coasts till 22nd November morning and improve gradually thereafter.
- ❖ **Sea condition will be rough** over Gulf of Mannar on 21st & 22nd November and improve gradually thereafter.

(iv) Fishermen Warning

Fishermen are advised not to venture into:

- ❖ Southwest and adjoining Westcentral Bay of Bengal, Gulf of Mannar and along & off Andhra Pradesh, Tamil Nadu, Puducherry, Sri Lanka coasts till 22nd November
- ❖ Gulf of Mannar on 21st & 22nd November.

The system is under continuous surveillance and the next message will be issued at 0230 hours IST of tomorrow, the 21st November, 2022.

(Monica Sharma)
Scientist D, Cyclone Warning, New Delhi

Copy to: ACWC Kolkata/ ACWC Chennai/ CWC Bhubaneswar/CWCVisakhapatnam/MO Port Blair

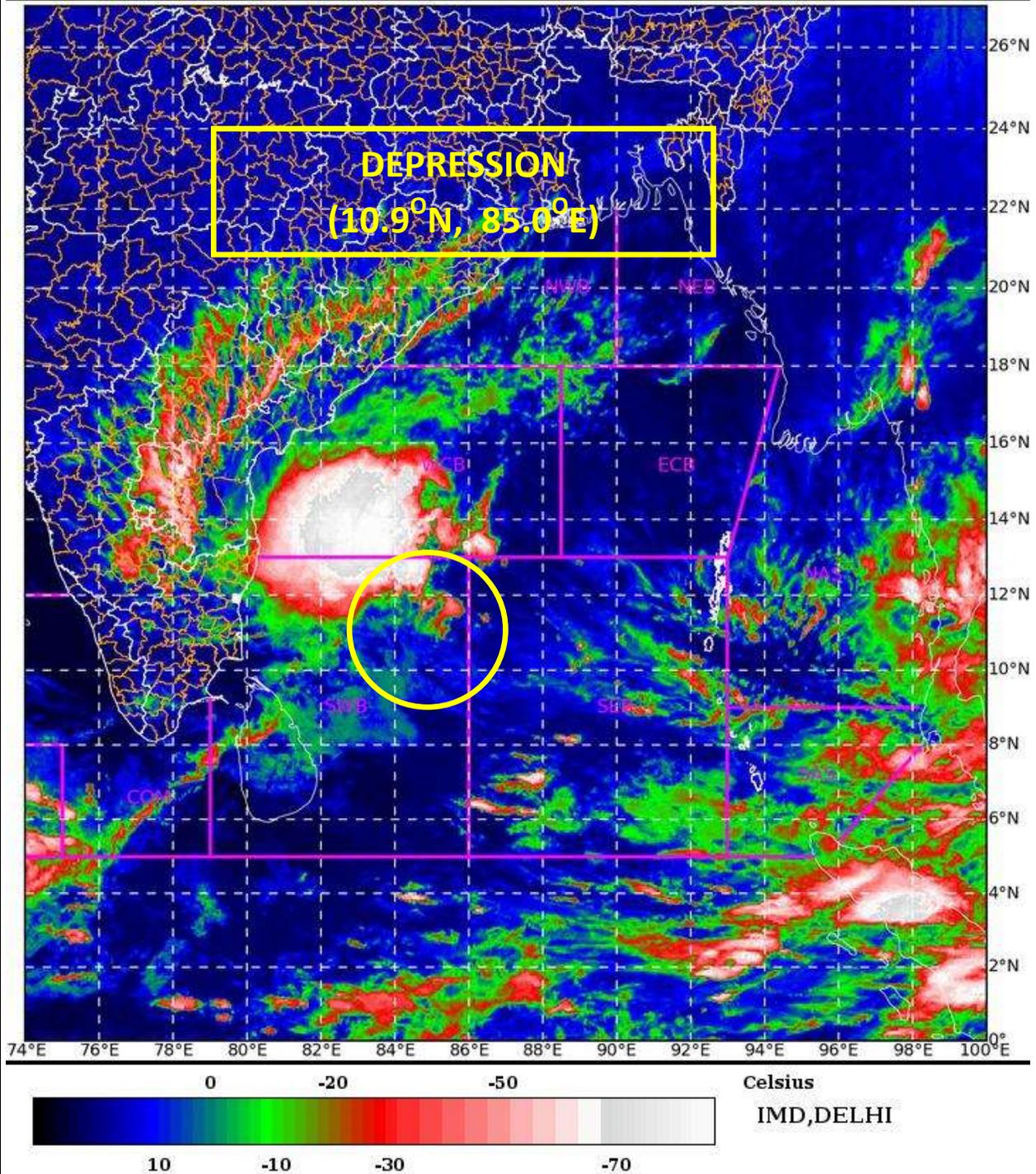
LEGEND: Heavy Rainfall: 64.5 to 115.5mm, **Very Heavy Rainfall:** 115.6 to 204.4mm **Most Places:** more than 76% of total stations, **Isolated Places:** Less than 25% of total

SAT : INSAT-3DR IMG 20-11-2022/(1345 to 1412) GMT

IMG_TIR1_TEMP 10.8 um 20-11-2022/(1915 to 1942) IST



L1C Mercator





OBSERVED AND FORECAST TRACK OF DEPRESSION OVER SOUTHWEST BAY OF BENGAL BASED ON 1200 UTC OF 20TH NOVEMBER, 2022



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

Today
20/11/2022



WARNING



Tomorrow
21/11/2022



22/11/2022



23/11/2022



24/11/2022



Heavy Rain



Heavy Snow



Thunderstorm



Dust Storm



Strong Winds



Visibility



Cyclone



Squall/ Hail



Frost



Cold Wave



Heat Wave



Sea State

Fishermen warning graphics



	Squally weather with wind speed 40-45 kmph gusting to 55 kmph
	Squally wind speed with wind speed 45-55 kmph gusting to 65 kmph

Fishermen are advised not to venture into the marked areas.