



India Meteorological Department  
(Ministry of Earth Sciences)

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**Sub: Depression over Southwest Bay of Bengal**

The Depression over Southwest Bay of Bengal remained practically stationary during past 6 hours and lay centered at 1130 hours IST of today, the 1<sup>st</sup> February, 2023 over the same region near latitude 8.2°N and longitude 82.5°E, about 100 km east-southeast of Batticaloa (Sri Lanka), 140 km east-southeast of Trincomalee (Sri Lanka) and 420 km southeast of Karaikal (India).

It is very likely to move nearly westwards and cross Sri Lanka coast between Batticaloa and Trincomalee during night of today, the 01<sup>st</sup> February 2023.

**Forecast track and intensity are given below:**

Date/Time(IST)	Position (Lat. °N/ long. °E)	Maximum sustained surface wind speed (Kmph)	Category of cyclonic disturbance
01.02.23/1130	8.2/82.5	45-55 gusting to 65	Depression
01.02.23/2330	7.9/81.5	45-55 gusting to 65	Depression
02.02.23/1130	7.2/80.3	40-50 gusting to 60	Depression

**Warnings:**

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

- ❖ Light/moderate rainfall is very likely at many places over coastal Tamil Nadu & Puducherry on 1<sup>st</sup> and 2<sup>nd</sup> February. Isolated heavy rainfall is very likely over south Tamil Nadu on 1<sup>st</sup> and 2<sup>nd</sup> February.

**(ii) Wind warning:**

❖ **Southwest Bay of Bengal:**

- Squally wind with speed reaching 45-55 kmph gusting to 65 kmph on 1<sup>st</sup> February.
- Squally wind with speed reaching 40-50 kmph gusting to 60 kmph on 2<sup>nd</sup> February.

❖ **Along & off Sri Lanka coast:**

- Squally wind with speed reaching 45-55 kmph gusting to 65 kmph on 1<sup>st</sup> February.
- Squally wind with speed reaching 40-50 kmph gusting to 60 kmph on 2<sup>nd</sup> February.

❖ **Gulf of Mannar and Comorin area and along & off south Tamil Nadu & Karaikal coasts:**

- Squally wind speed reaching 40-50 kmph gusting to 60 kmph during 1<sup>st</sup> to 2<sup>nd</sup> February.

❖ **Along & off north Tamil Nadu & Puducherry coasts:**

- Strong wind speed reaching 30-40 kmph gusting to 50 kmph during 1<sup>st</sup> to 2<sup>nd</sup> February.

**(iii) Sea condition**

❖ **Sea condition is likely to be rough to very rough**

- Southwest Bay of Bengal and along & off Sri Lanka coast during 1<sup>st</sup> to 2<sup>nd</sup> February.
- Gulf of Mannar and adjoining Comorin area and along & off south Tamil Nadu coast during 1<sup>st</sup> to 2<sup>nd</sup> February

❖ **Sea condition is likely to be moderate to rough**

- Along and off north Tamil Nadu & Puducherry coasts during 1<sup>st</sup> to 2<sup>nd</sup> February.

**(iv) Fishermen Warning (warning graphics enclosed)**

Fishermen are advised not to venture into:

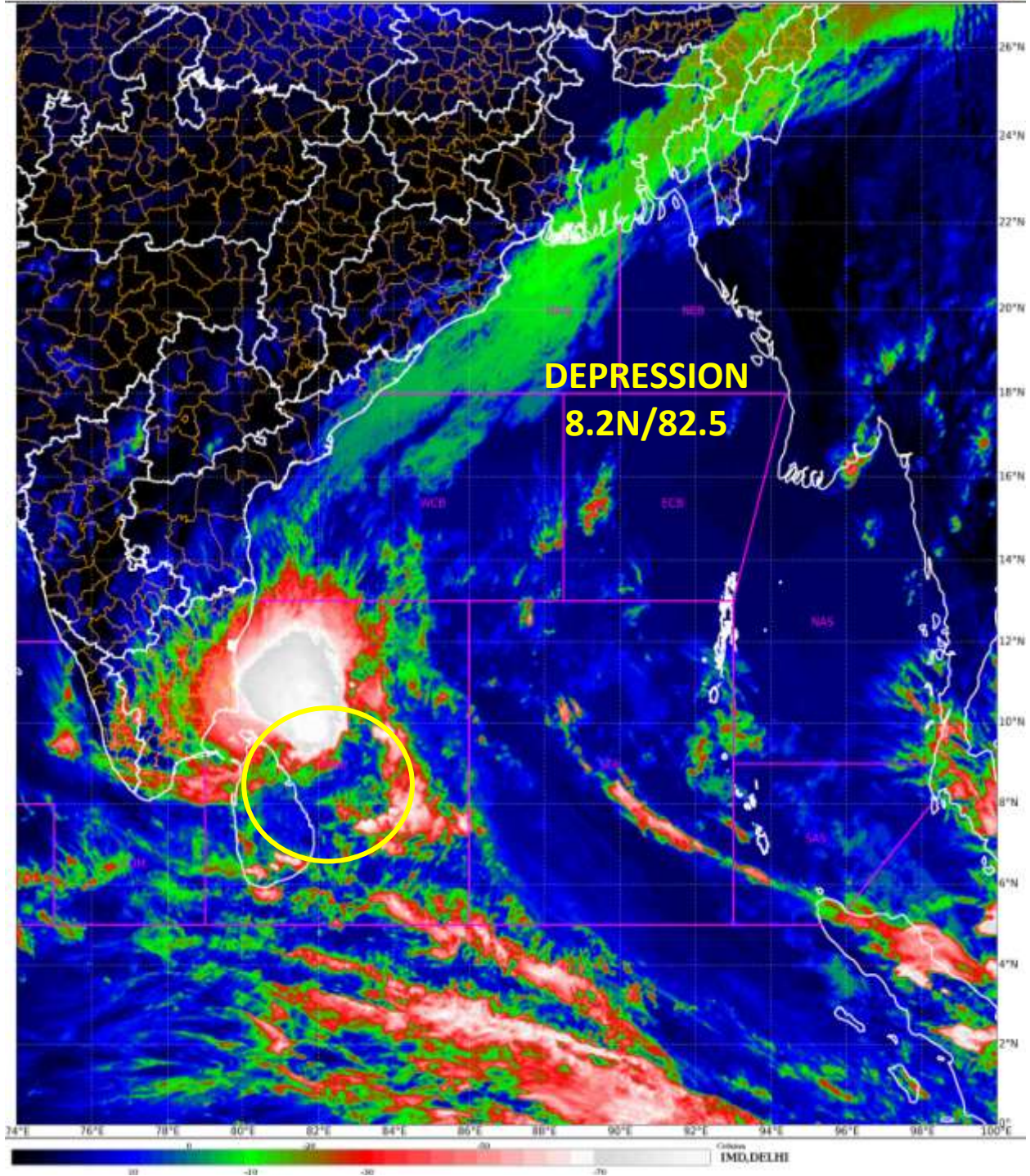
- ❖ Southwest Bay of Bengal, Gulf of Mannar, Comorin Area and along & off Sri Lanka and south Tamil Nadu & Karaikal coasts till 2<sup>nd</sup> February.

**The system is under continuous surveillance and the next message will be issued at 2030 hours IST of today, the 1<sup>st</sup> February, 2023.**

**(Ananda Kumar Das)**  
**Scientist F, Cyclone Warning, New Delhi**

*Copy to: ACWC Kolkata/ ACWC Chennai/ CWC Bhubaneswar/CWC Visakhapatnam/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





## OBSERVED AND FORECAST TRACK OF DEPRESSION OVER SOUTHWEST BAY OF BENGAL BASED ON 0600 UTC OF 01<sup>st</sup> FEBRUARY, 2023.



### 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

# Multi hazard Warning Graphics



## Fishermen warning graphics



Squally WX with wind speed 40-45 kmph gusting to 55 kmph

Squally wind speed 45-55 kmph gusting to 65 kmph

**Fishermen are advised not to venture into the marked areas.**