



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

**NATIONAL BULLETIN NO. 14 (BOB/10/2022)**

**TIME OF ISSUE: 0100 HOURS IST**

**DATED: 25.12.2022**

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

The Depression over Southwest Bay of Bengal moved west-southwestwards with a speed of 12 kmph during past 06 hours and lay centered at 2330 hours IST of 24<sup>th</sup> December over the same region near latitude 9.3°N and longitude 82.5°E about 160 km east-northeast of Trincomalee (Sri Lanka), 160 km east-southeast of Jaffna (Sri Lanka), 330 km east-southeast of Nagappattinam (Tamil Nadu) and 480 km south-southeast of Chennai (Tamil Nadu).

It is likely to weaken slightly, move west-southwestwards and reach near Sri Lanka coast by morning of today, the 25<sup>th</sup> December. Thereafter, it would continue to move west-southwestwards across Sri Lanka and reach Comorin Area & neighbourhood by 26<sup>th</sup> morning.

**Warnings:**

**(i) Rainfall warning (Graphics enclosed)**

- Light to moderate rainfall at many places with heavy rainfall at isolated places is likely over south coastal Tamil Nadu on 25<sup>th</sup> & 26<sup>th</sup> December 2022.
- Light to moderate rainfall at a few places with heavy rainfall at isolated places is likely over south Kerala on 26<sup>th</sup> December 2022.
- Light to moderate rainfall at many places with heavy rainfall at isolated places is likely over Lakshadweep Islands on 27<sup>th</sup> December 2022.

**(ii) Wind warning (Graphics enclosed):**

**Southwest Bay of Bengal along & off Tamil Nadu and Sri Lanka coasts:**

Squally wind speed reaching 45-55 kmph gusting to 65 kmph is likely to prevail till today morning becoming 40-50 kmph gusting to 60 kmph till 26<sup>th</sup> morning and decrease thereafter.

**Gulf of Mannar and Comorin Area along & off south Tamil Nadu & west Sri Lanka coasts:**  
Squally weather with wind speed reaching 45-55 kmph gusting to 65 kmph on 25<sup>th</sup> and 26<sup>th</sup> December.

**Lakshadweep Islands & adjoining Southeast Arabian Sea:**

Squally weather with wind speed reaching 40-50 kmph gusting to 60 kmph is likely to prevail on 27<sup>th</sup> December.

**Southeast Arabian Sea & adjoining Lakshadweep Islands:**

Squally weather with wind speed reaching 40-50 kmph gusting to 60 kmph is likely to prevail on 28<sup>th</sup> December.

**Sea condition:**

**Southwest Bay of Bengal along & off Tamil Nadu and Sri Lanka coasts:**

Sea condition is likely to be rough to very rough till 26<sup>th</sup> December morning and improve thereafter.

**Gulf of Mannar and Comorin Area along & off south Tamil Nadu & west Sri Lanka coasts:**

Sea condition is likely to be rough to very rough on 25<sup>th</sup> and 26<sup>th</sup> December.

**Lakshadweep Islands & adjoining Southeast Arabian Sea:**

Sea condition is likely to be rough to very rough on 27<sup>th</sup> December.

**Southeast Arabian Sea & adjoining Lakshadweep Islands:**

Sea condition is likely to be rough on 28<sup>th</sup> December.

**Fishermen Warning (Graphics Enclosed):**

Fishermen are advised not to venture into

- Southwest Bay of Bengal and along & off Sri Lanka coast till 25<sup>th</sup> December.
- Gulf of Mannar, Comorin Area and along & off south Tamil Nadu and west Sri Lanka coasts during 25<sup>th</sup>-26<sup>th</sup> December.
- Sea areas of Lakshadweep Islands & adjoining Southeast Arabian Sea on 27<sup>th</sup> December.
- Sea areas of Southeast Arabian Sea & adjoining Lakshadweep Islands on 28<sup>th</sup> December.

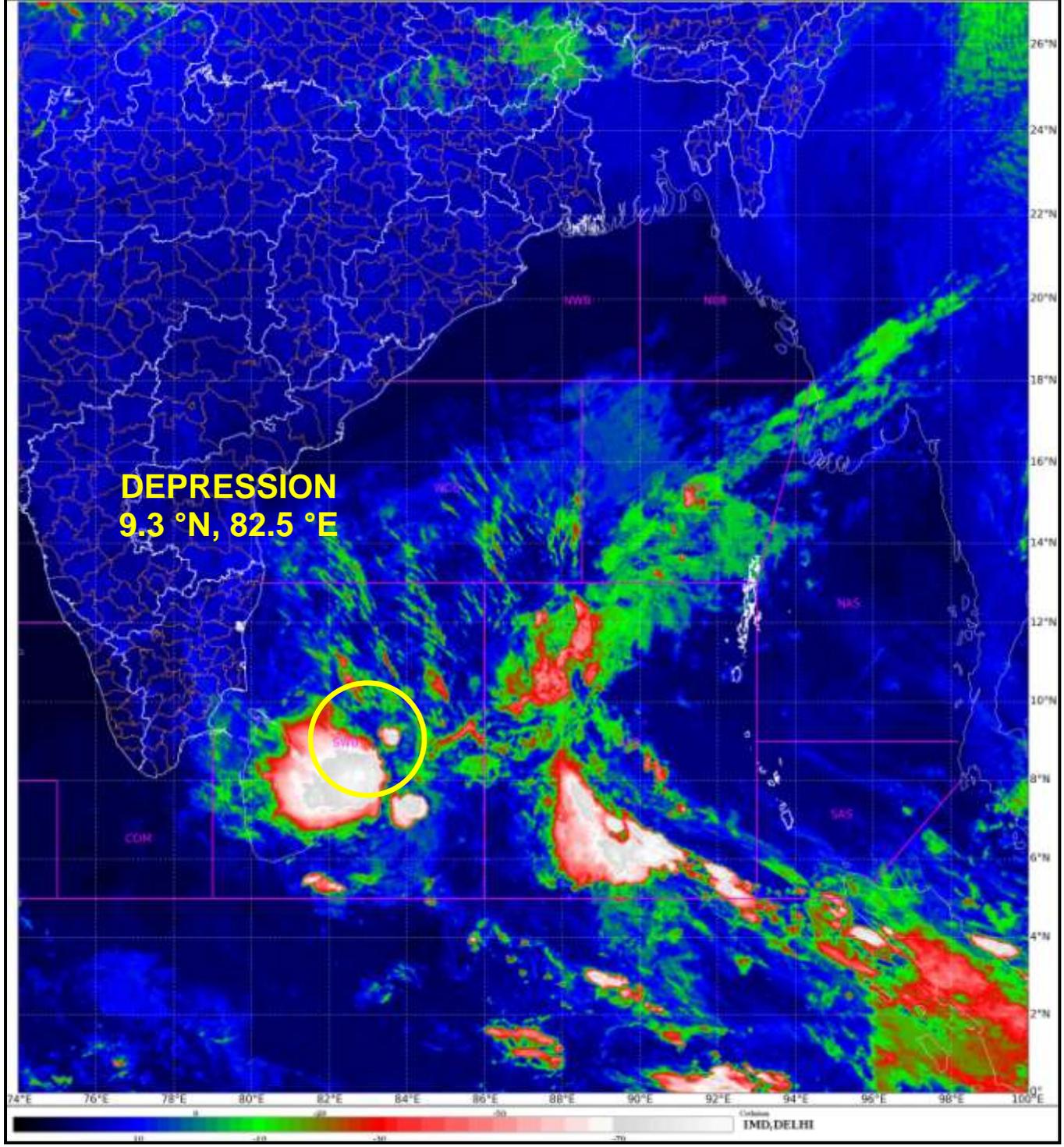
**The System is continuously being monitored and next bulletin will be issued at 0830 hours IST of 25<sup>th</sup> December, 2022.**

**(Shobhit Katiyar)**

**Scientist C, Cyclone Warning Division, New Delhi**

*Copy to: ACWC Mumbai & Chennai/ CWC Ahmedabad/ CWC Thiruvananthapuram/MC Goa*

**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





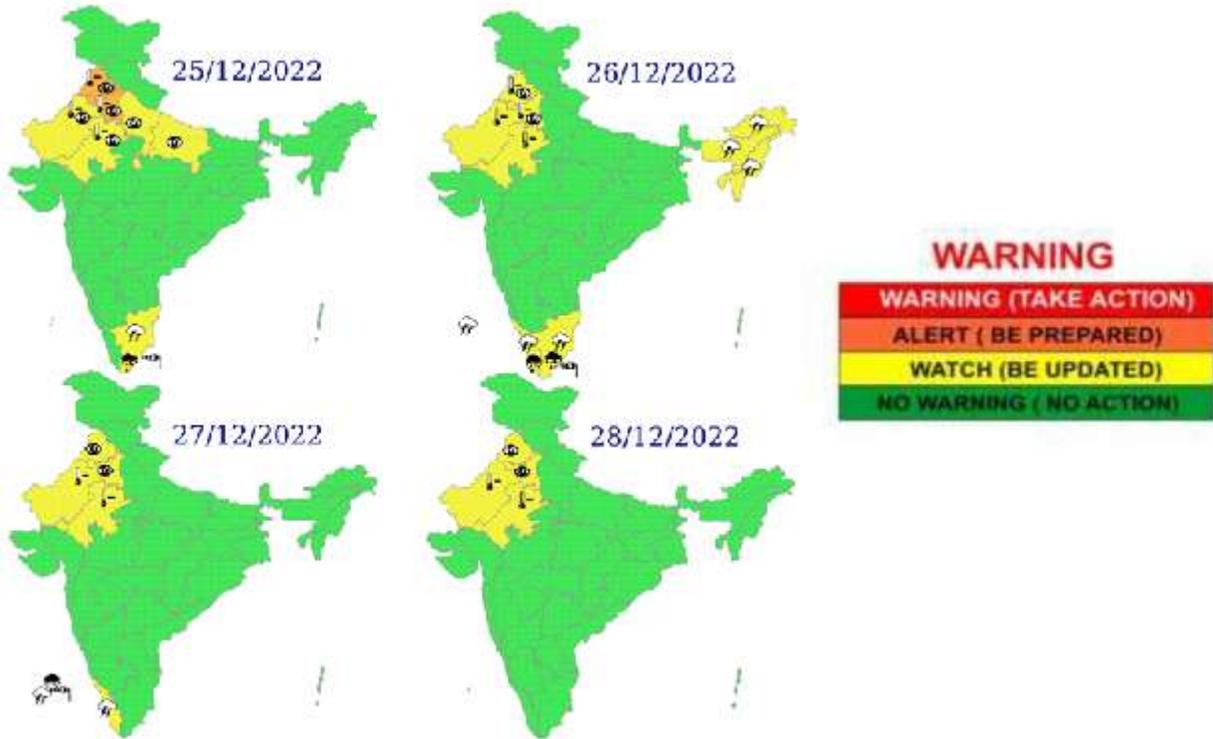
## OBSERVED AND FORECAST TRACK OF DEPRESSION OVER SOUTHWEST BAY OF BENGAL BASED ON 1800 UTC OF 24<sup>th</sup> DECEMBER, 2022



**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

## WEATHER WARNING GRAPHICS



- |  |  |  |  |
|--|--|--|--|
|  Heavy Rain   |  Heavy Snow |  Thunderstorm |  Dust Storm   |
|  Strong Winds |  Visibility |  Cyclone      |  Squall/ Hail |
|  Frost        |  Cold Wave  |  Heat Wave    |  Sea State    |

## Fishermen warning graphics

Day 1: 24.12.2022/11:30AM to 25.12.2022/05:30AM



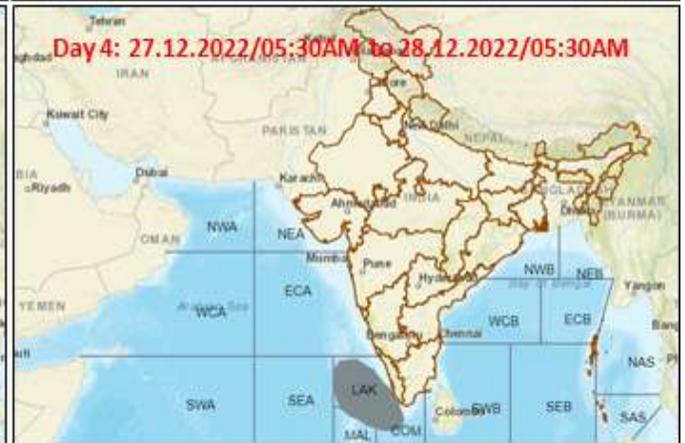
Day 2: 25.12.2022/05:30AM to 26.12.2022/05:30AM



Day 3: 26.12.2022/05:30AM to 27.12.2022/05:30AM



Day 4: 27.12.2022/05:30AM to 28.12.2022/05:30AM



Day 5: 28.12.2022/05:30AM to 29.12.2022/05:30AM



Squally WX with wind speed 40-50 kmph gusting to 60 kmph

Squally wind speed 45-55 kmph gusting to 65 kmph

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