



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

NATIONAL BULLETIN NO. 15 (BOB/10/2022)

TIME OF ISSUE: 0800 HOURS IST

DATED: 25.12.2022

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Sub: Depression over Southwest Bay of Bengal off Sri Lanka coast

The Depression over Southwest Bay of Bengal moved southwestwards with a speed of 08 kmph during past 06 hours and lay centered at 0530 hours IST of 25th December over the Southwest Bay of Bengal off Sri Lanka coast near latitude 9.0°N and longitude 82.2°E about 110 km east-northeast of Trincomalee (Sri Lanka), 150 km east-southeast of Jaffna (Sri Lanka), 330 km southeast of Nagappattinam (Tamil Nadu) and 500 km south-southeast of Chennai (Tamil Nadu).

It is likely to move nearly southwestwards cross Sri Lanka coast around Trincomalee by noon of today, the 25th December. Thereafter, it would move west-southwestwards and emerge into Comorin Area & neighbourhood by tomorrow, the 26th December 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 25th & 26th December 2022.
- Light to moderate rainfall at a few places with heavy rainfall at isolated places is likely over south Kerala on 26th December 2022.
- Light to moderate rainfall at many places with heavy rainfall at isolated places is likely over Lakshadweep Islands on 27th 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 26th 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 25th and 26th 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 27th 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 28th 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 26th 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 25th and 26th December.

Lakshadweep Islands & adjoining Southeast Arabian Sea:

Sea condition is likely to be rough to very rough on 27th December.

Southeast Arabian Sea & adjoining Lakshadweep Islands:

Sea condition is likely to be rough on 28th December.

Fishermen Warning (Graphics Enclosed):

Fishermen are advised not to venture into

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

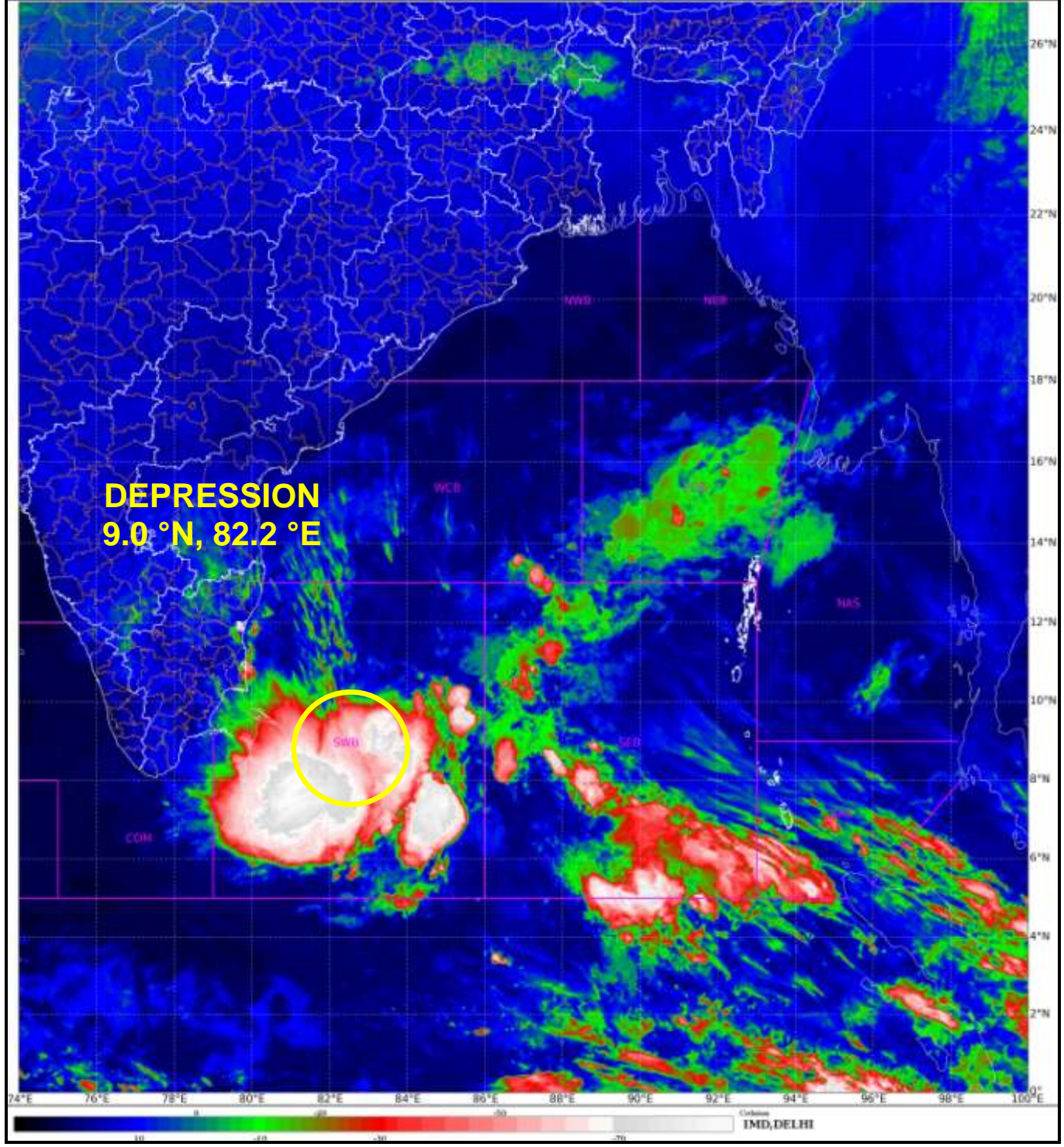
The System is continuously being monitored and next bulletin will be issued at 1130 hours IST of 25th December, 2022.

(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 OFF SRI LANKA COAST BASED ON 0000 UTC OF 25th 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 (≥ 120 KT)



LESS THAN 34 KT



34-47 KT



≥ 48 KT



OBSERVED TRACK

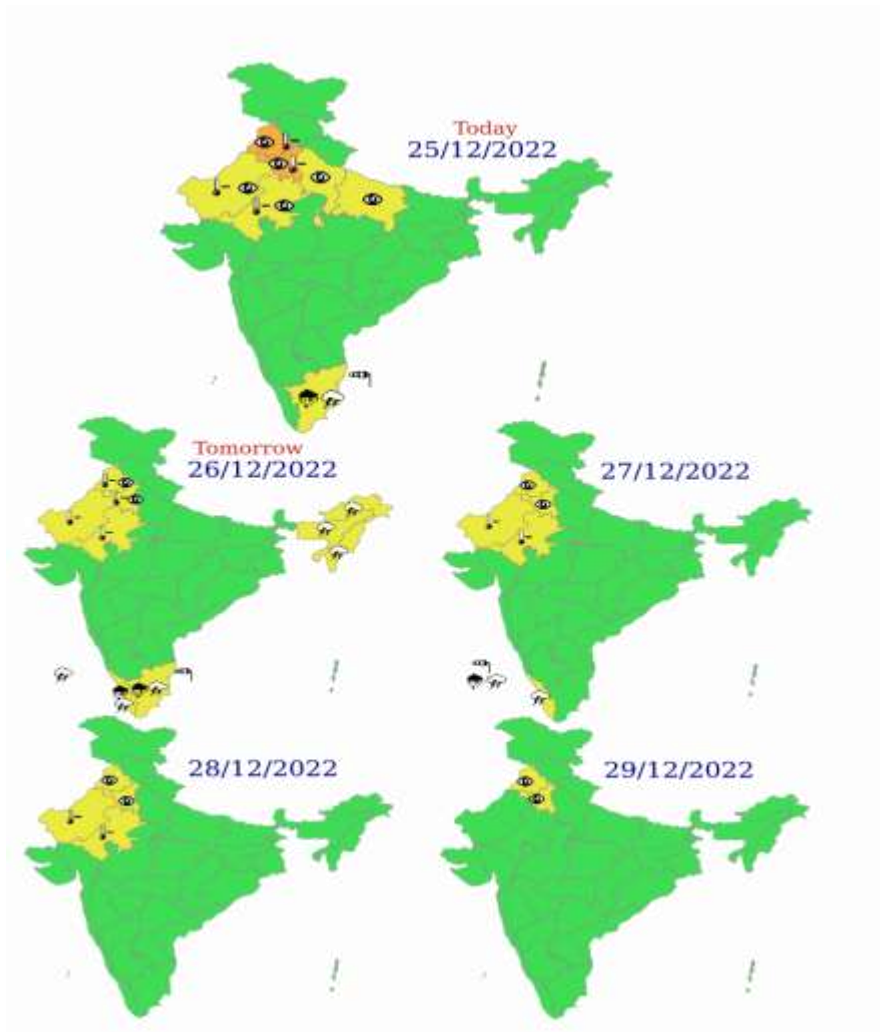


FORECAST TRACK



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.