



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

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

TIME OF ISSUE: 0840 HOURS IST

DATED: 24.12.2022

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Sub: Depression over Southwest Bay of Bengal

The Depression over Southwest and adjoining Southeast Bay of Bengal moved west-northwestwards with a speed of 16 kmph during past 06 hours and lay centered at 0530 hours IST of today, the 24th December over Southwest Bay of Bengal near latitude 10.8°N and longitude 84.5°E about 430 km east-northeast of Trincomalee (Sri Lanka), 510 km east of Nagappattinam (Tamil Nadu) and 530 km east-southeast of Chennai (Tamil Nadu).

It is likely to move gradually west-southwestwards towards Comorin Area across Sri Lanka during next 48 hours.

Warnings:

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 a few places with heavy rainfall at isolated places is likely over Lakshadweep Islands on 27th December 2022.

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 25th December morning becoming 40-50 kmph gusting to 60 kmph till 26th morning and decrease thereafter.

Adjoining areas of southeast & westcentral Bay of Bengal:

Squally weather with wind speed reaching 40-50 kmph gusting to 60 kmph is likely to prevail on 24th December and decrease thereafter.

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

Squally weather with wind speed reaching 40-50 kmph gusting to 60 kmph is likely to prevail on 24th December becoming squally wind speed reaching 45-55 kmph gusting to 65 kmph during 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.

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.

Adjoining areas of southeast & westcentral Bay of Bengal:

Sea condition is likely to be rough on 24th December 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 during 25th and 26th December.

Lakshadweep Islands & adjoining Southeast Arabian Sea:

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

Fishermen Warning (Graphics Enclosed):

Fishermen are advised not to venture into

- Southwest Bay of Bengal and along & off Sri Lanka coast on 24th & 25th December.
- Adjoining areas of southeast & westcentral Bay of Bengal on 24th December.
- Gulf of Mannar and Comorin Area along & off south Tamil Nadu and west Sri Lanka coasts during 24th-26th December.
- Sea areas of Lakshadweep Islands & adjoining Southeast Arabian Sea on 27th December.

The System is continuously being monitored and next bulletin will be issued at 1130 hours IST of today, the 24th December, 2022.

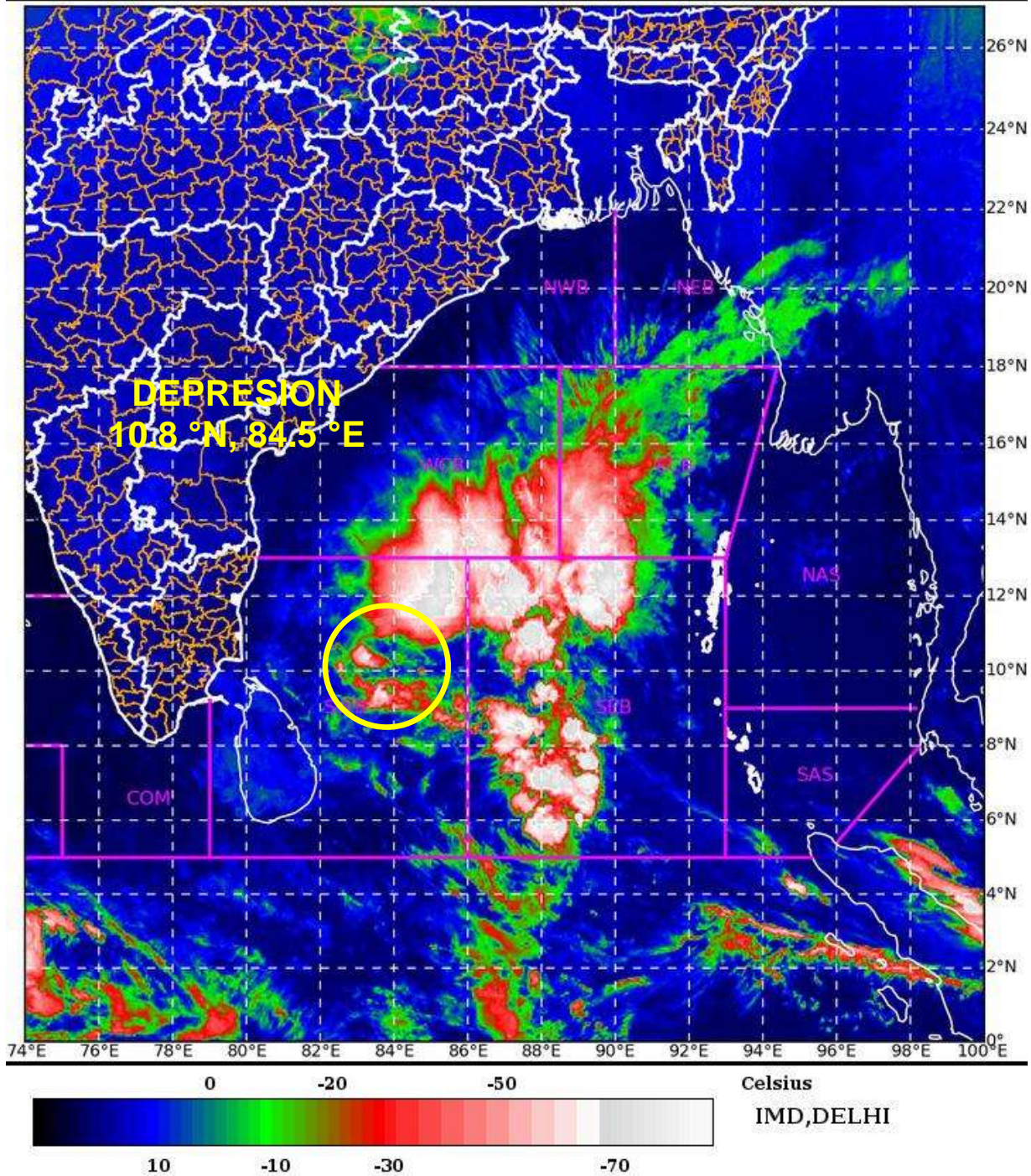
(Ananda Kumar Das)

Scientist E, 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

SAT : INSAT-3DR IMG 24-12-2022/(0145 to 0212) GMT
IMG_TIR1_TEMP 10.8 um 24-12-2022/(0715 to 0742) IST
L1C Mercator





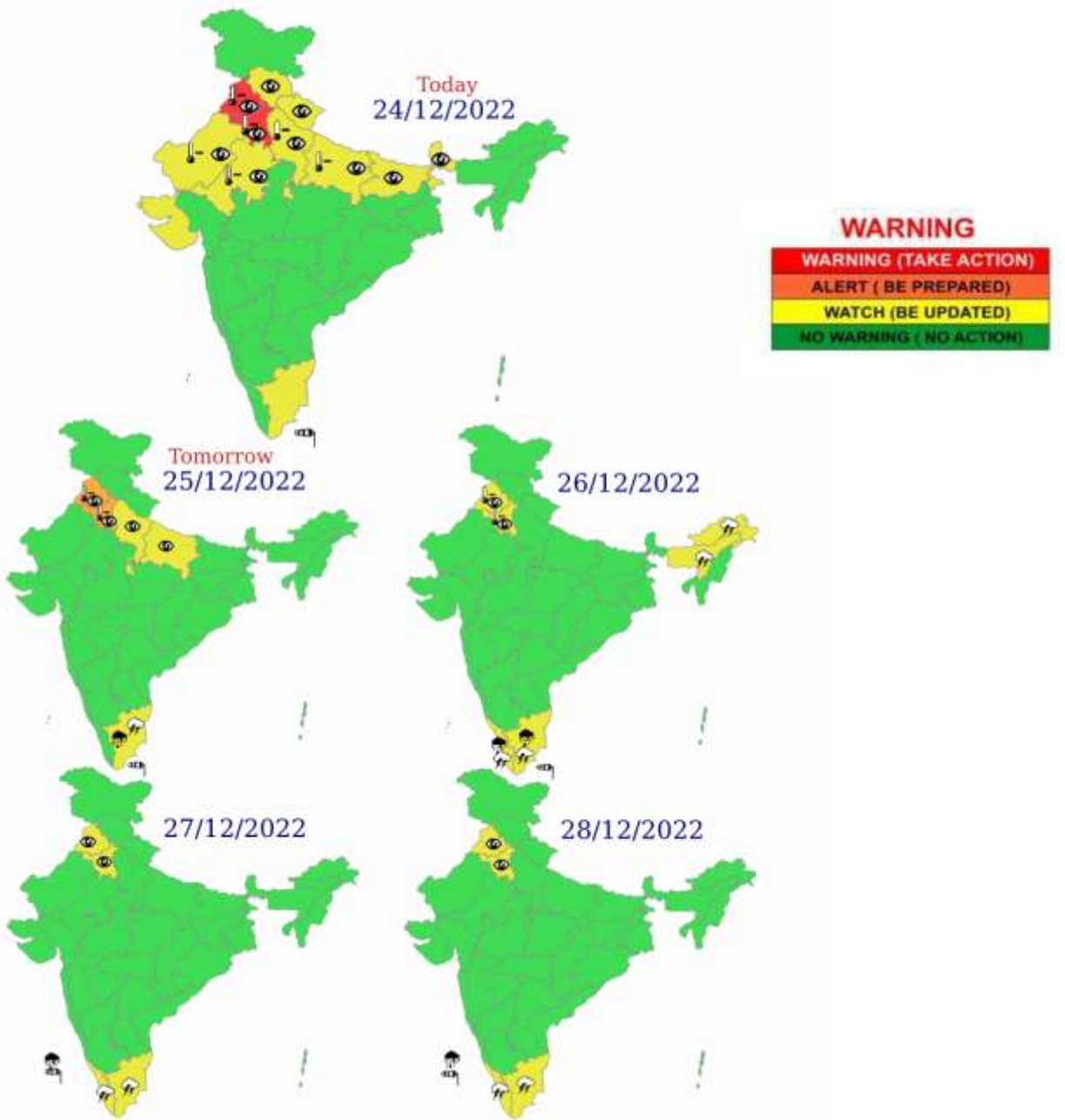
OBSERVED AND FORECAST TRACK OF DEPRESSION OVER SOUTHWEST BAY OF BENGAL BASED ON 0000 UTC OF 24th DECEMBER, 2022



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



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.