



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

NATIONAL BULLETIN NO. 04 (BOB/10/2022)

TIME OF ISSUE: 0100 HOURS IST

DATED: 23.12.2022

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Sub: Depression over Southwest Bay of Bengal

The Depression over Southwest Bay of Bengal moved northwestwards with a speed of 08 kmph during past 6 hours and lay centered at 2330 hours IST of yesterday, the 22nd December over Southwest Bay of Bengal near latitude 10.1°N and longitude 84.2°E about 370 km east-northeast of Trincomalee (Sri Lanka), 480 km east of Nagappattinam (Tamil Nadu) and 540 km east-southeast of Chennai (Tamil Nadu).

It is likely to continue to move northwestwards for some more time and gradually recurve west-southwestwards from 23rd morning towards Comorin Area across Sri Lanka during subsequent 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.

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 till 24th December 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 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.

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 till 24th 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 during 25th and 26th December.

Fishermen Warning (Graphics Enclosed):

Fishermen are advised not to venture into

- Southwest Bay of Bengal and along & off Sri Lanka coast during 23rd-25th December.
- Gulf of Mannar and Comorin Area along & off south Tamil Nadu and west Sri Lanka coasts during 23rd-26th December.

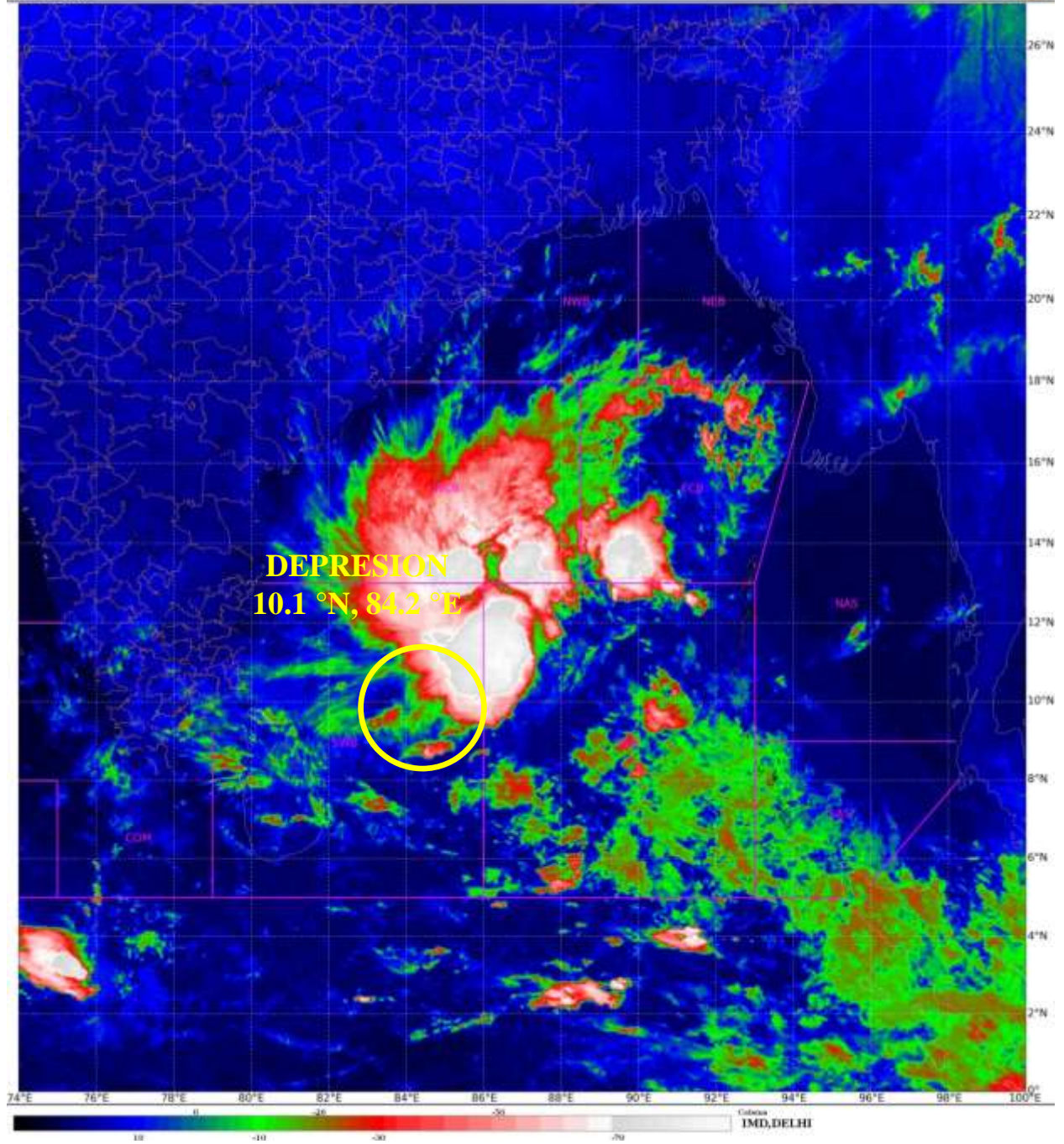
The System is continuously being monitored and next bulletin will be issued at 0830 hours IST of today, the 23rd December, 2022.

(Krishna Mishra)

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





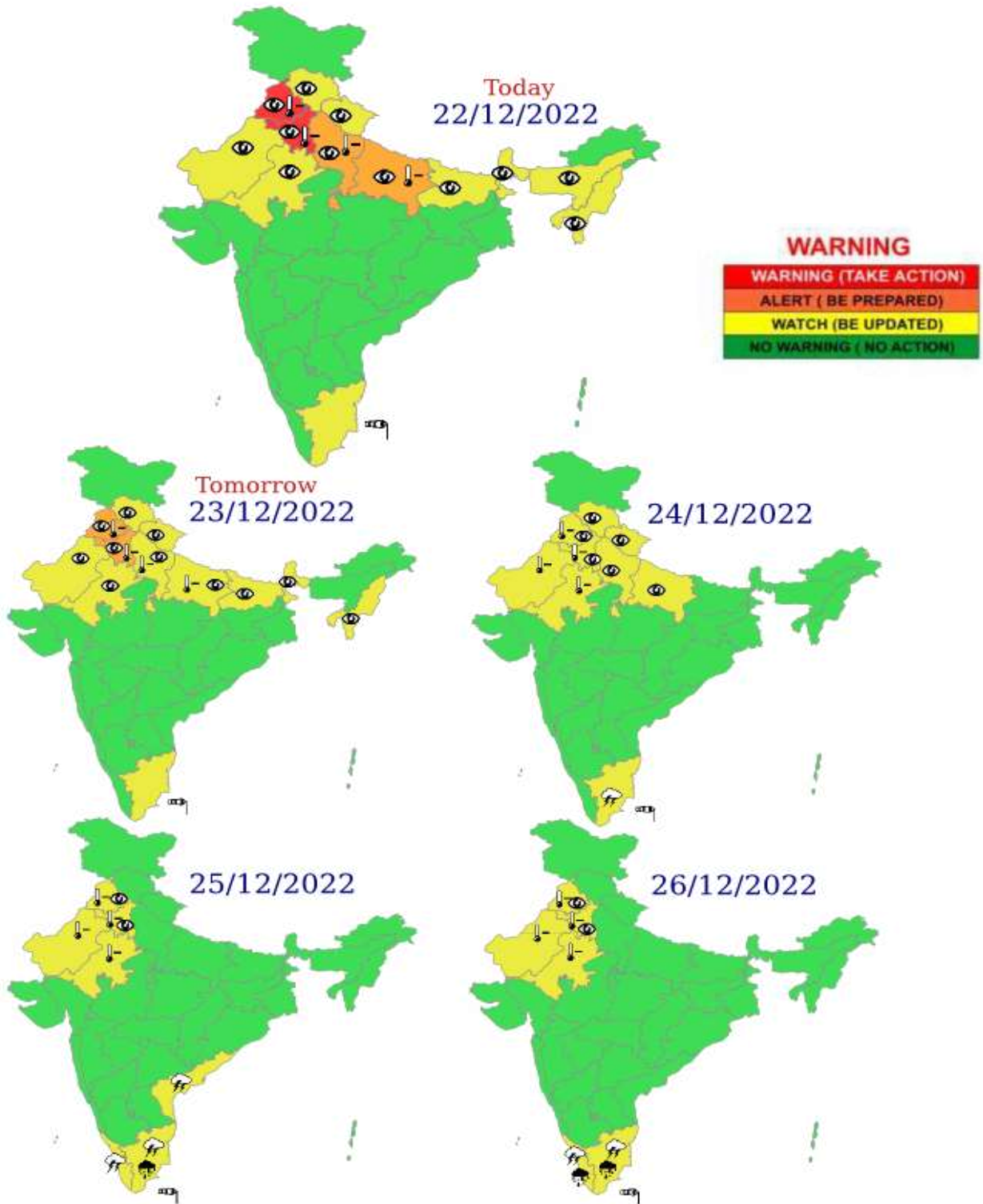
OBSERVED AND FORECAST TRACK OF DEPRESSION OVER SOUTHWEST & ADJOINING SOUTHEAST BAY OF BENGAL BASED ON 1800 UTC OF 22nd DECEMBER, 2022



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: 22.12.2022/11:30AM to 23.12.2022/05:30AM



Day 2: 23.12.2022/05:30AM to 24.12.2022/05:30AM



Day 3: 24.12.2022/05:30AM to 25.12.2022/05:30AM



Day 4: 25.12.2022/05:30AM to 26.12.2022/05:30AM



Day 5: 26.12.2022/05:30AM to 27.12.2022/05:30AM



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.