



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

**BULLETIN NO. : 07 (BOB/01/2022)**

**TIME OF ISSUE: 1130 HOURS IST**

**DATED: 04.03.2022**

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

The Depression over southwest Bay of Bengal moved north-northwestwards with a speed of about 15 kmph during last 06 hours and lay centered at 0830 hrs IST of today, the 4<sup>th</sup> March 2022, over the same region near latitude 8.9°N and longitude 82.9°E, about 180 km east of Trincomalee (Sri Lanka), 390km southeast of Nagappattinam (Tamil Nadu), 470 km southeast of Puducherry (Tamil Nadu) and about 530 km south-southeast of Chennai (Tamil Nadu).

It is likely to intensify further into a Deep Depression during next 12 hours. It is likely to move north-northwestwards off east coast of Sri Lanka till 5<sup>th</sup> March morning and then move west-northwestwards towards north Tamil Nadu Coast during subsequent 48 hours.

Forecast track and intensity are given in the following table:

<b>Date/Time(IST)</b>	<b>Position (Lat. °N/ long. °E)</b>	<b>Maximum sustained surface wind speed (Kmph)</b>	<b>Category of cyclonic disturbance</b>
04.03.22/0830	8.9/82.9	45-55 gusting to 65	Depression
04.03.22/1730	10.1/82.4	50-60 gusting to 70	Deep Depression
05.03.22/0530	10.6/82.1	50-60 gusting to 70	Deep Depression
05.03.22/1730	10.9/81.8	50-60 gusting to 70	Deep Depression
06.03.22/0530	11.1/81.3	40-50 gusting to 60	Depression

## **Warnings:**

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

**4<sup>th</sup> March**– Light to moderate rainfall/thundershower at isolated places is likely over coastal Tamil Nadu, Puducherry & Karaikal, south coastal Andhra Pradesh and Rayalaseema.

**5<sup>th</sup> March**– Light to moderate rainfall/thunder shower at a few places with **isolated** heavy rainfall is very likely over north coastal Tamil Nadu, Puducherry & Karaikal. Light to moderate rainfall/thunder shower at isolated places is very likely over south coastal Andhra Pradesh and Rayalaseema.

**6<sup>th</sup> March** – Light to moderate rainfall/thunder shower at many places with heavy to very heavy rainfall at isolated places is very likely over coastal Tamil Nadu, Puducherry & Karaikal. Light to moderate rainfall/thunder shower with heavy falls at isolated places is very likely over south coastal Andhra Pradesh and Rayalaseema.

**7<sup>th</sup> March:** Light to moderate rainfall/thunder shower at many places with heavy to very heavy rainfall at isolated places is very likely over north Tamil Nadu, Puducherry & Karaikal. Light to moderate rainfall/thunder shower with heavy falls at isolated places is very likely over south coastal Andhra Pradesh and Rayalaseema.

### **(ii) Wind warning**

- **4<sup>th</sup> and 5<sup>th</sup> March:** Squally winds speed reaching 45-55 kmph gusting to 65 kmph would prevail over Southwest & adjoining Westcentral Bay of Bengal, Gulf of Mannar and along & off north Tamil Nadu, Puducherry & South Andhra Pradesh coasts till 4<sup>th</sup> evening. Thereafter, the winds would gradually increase becoming 50-60 kmph gusting to 70 kmph over the same region till 6<sup>th</sup> March.
- **6<sup>th</sup> March:** Squally winds speed reaching 40-50 kmph gusting to 60 kmph are very likely to prevail over Westcentral & adjoining Southwest Bay of Bengal and along & off north Tamil Nadu, Puducherry and south Andhra Pradesh coasts.

### **(iii) Sea condition**

- Sea condition will be rough to very rough over Southwest & adjoining Westcentral Bay of Bengal, Gulf of Mannar and Comorin area and along & off Tamil Nadu, Puducherry & south Andhra Pradesh coasts during 4<sup>th</sup>– 6<sup>th</sup> March.

### **(iv) Fishermen Warning (Graphics enclosed)**

- Fishermen are advised not to venture into Southwest & adjoining Westcentral Bay of Bengal, adjoining Equatorial Indian Ocean, Gulf of Mannar, Comorin area and along & off Tamil Nadu, Puducherry and south Andhra Pradesh coasts till 6<sup>th</sup> March.

## **(v) EXPECTED IMPACT & ACTION SUGGESTED due to very heavy rain over Tamil Nadu, Puducherry & Karaikal and adjoining areas of south coastal Andhra Pradesh and Rayalaseema during 6<sup>th</sup> -7<sup>th</sup> March.**

### **A. Impact Expected**

- Localized Flooding of roads, inundation and water logging in low lying areas.
- Occasional reduction in visibility due to heavy rainfall.
- Disruption of traffic in major cities due to water logging in roads leading to increased travel time.
- Minor damage to kutcha roads.
- Possibilities of damage to vulnerable structure.
- Localized Landslides/Mudslides
- Damage to horticulture and standing crops in some areas due to squally wind and inundation.

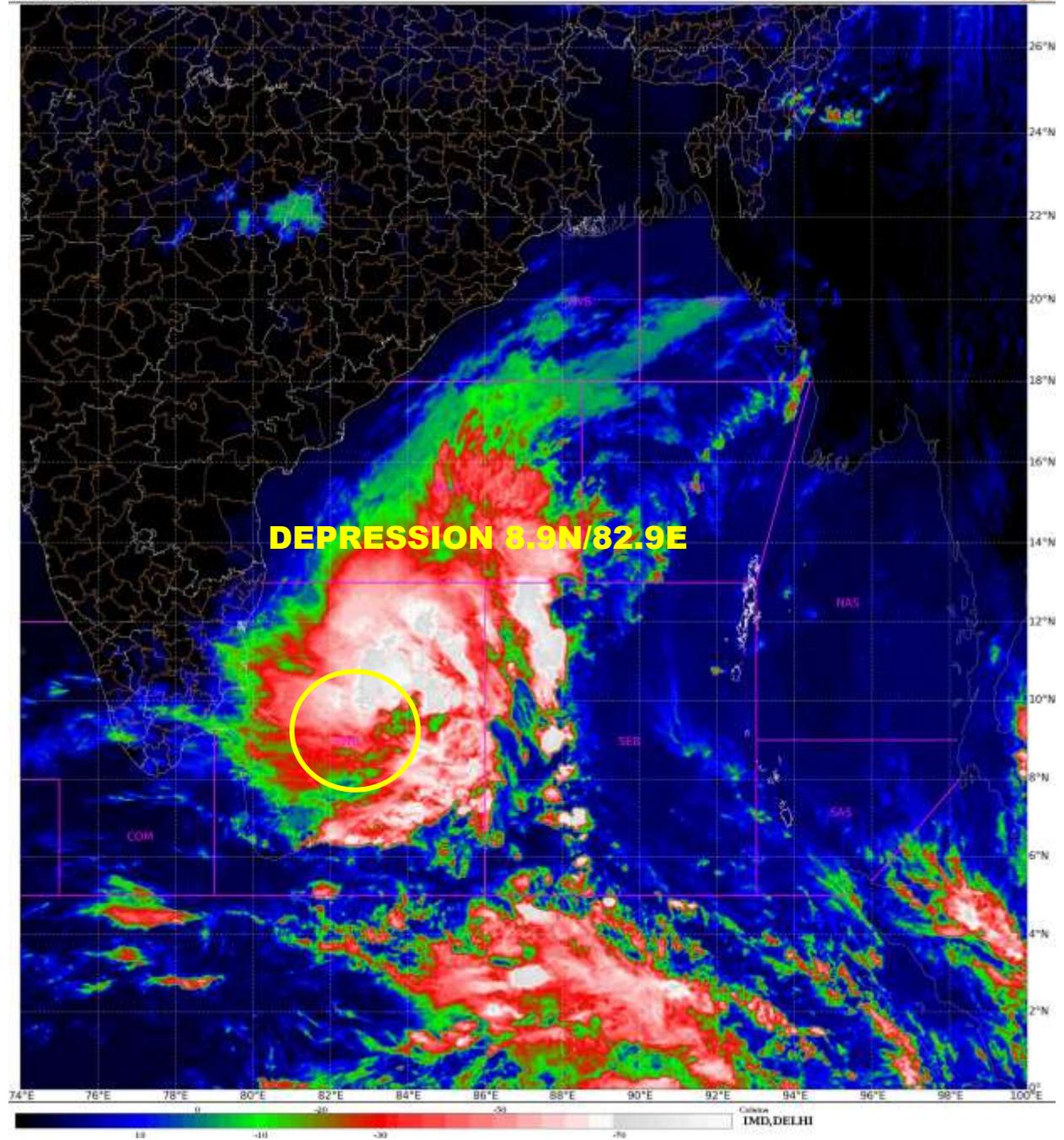
**B. Action Suggested**

- Check for traffic congestion on your route before leaving for your destination.
- Follow any traffic advisories that are issued in this regard.
- Avoid going to areas that face the water logging problems often.
- Avoid staying in vulnerable structure.

*The next bulletin will be issued at 1430 hrs IST of today, the 04<sup>th</sup> March, 2022.*

**(M. Sharma)**  
**Scientist-D, RSMC, New Delhi**

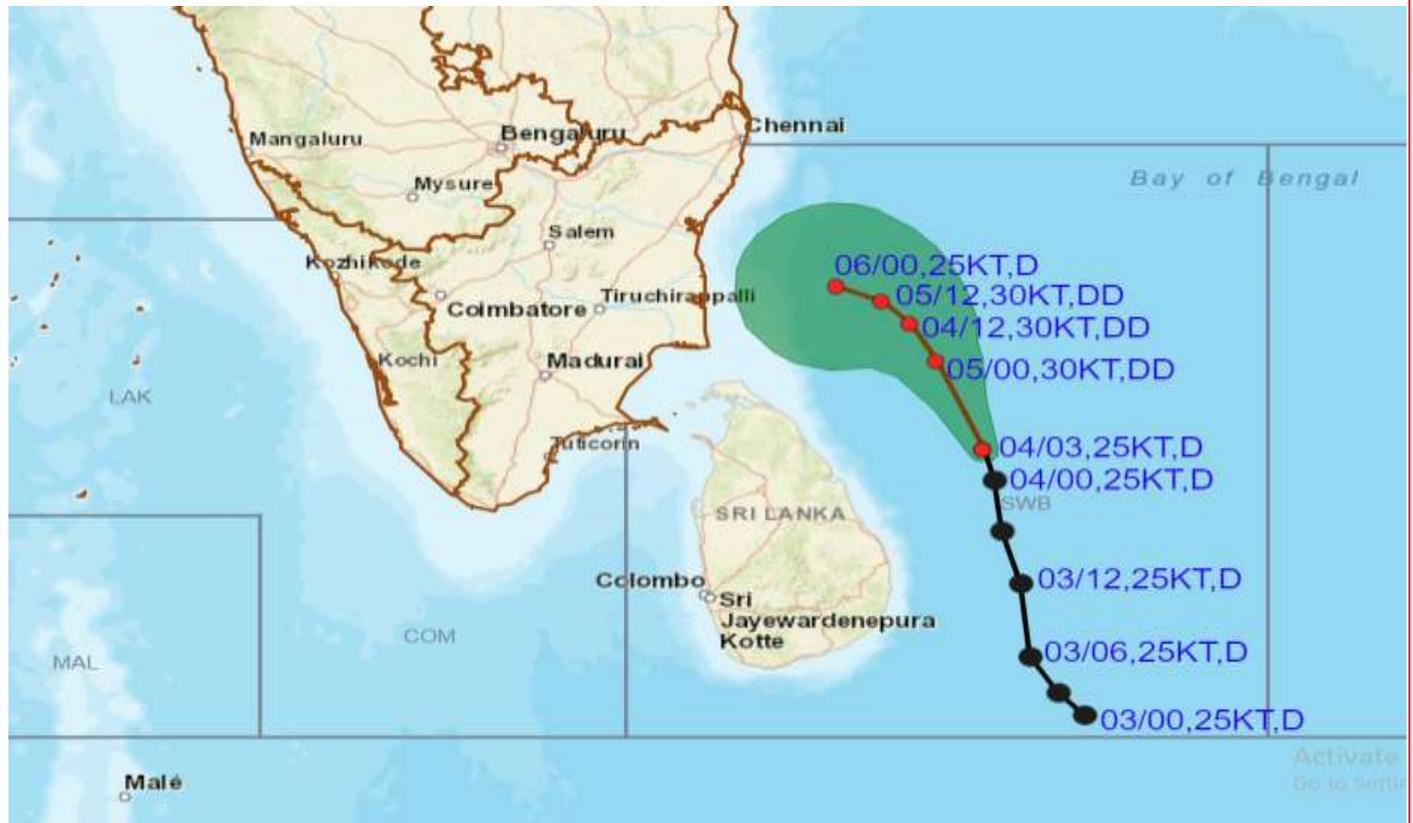
*Copy to: ACWC Kolkata/ ACWC Chennai/ CWC Bhubaneswar/CWC Thiruvananthapuram/MC Amravati/MO Port Blair*





**OBSERVED AND FORECAST TRACK ALONGWITH CONE OF UNCERTAINTY OF DEPRESSION OVER SOUTHWEST BAY OF BENGAL BASED ON 0300 UTC OF 4<sup>th</sup> MARCH, 2022**

STATIONS	DISTANCE (KM) AND DIRECTION FROM STATIONS		
	04.03.22/0830 IST	05.03.22/0530 IST	06.03.22/0530 IST
TRINCOMALEE	185, E	243, NNE	280, N
NAGAPATTINAM	398, SE	252, E	168, ENE
PUDUCHERRY	480, SE	292, ESE	188, ESE
CHENNAI	535, SSE	329, SSE	236, SSE

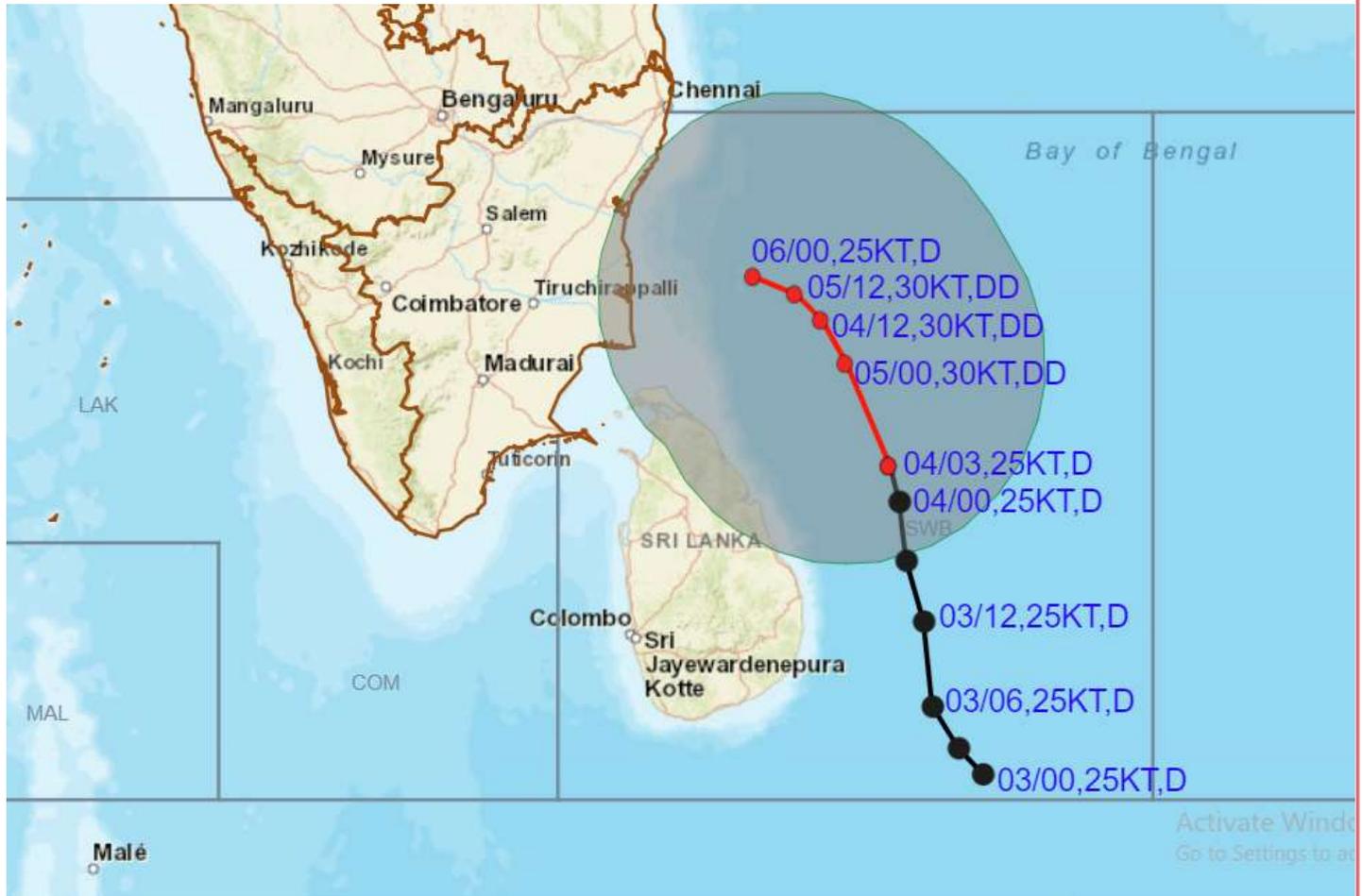


DATE/TIME IN UTC  
 IST=UTC + 0530  
 L: LOW PRESSURE AREA  
 WML: WELL MARKED LOW PRESSURE AREA  
 D: DEPRESSION (17-27 KT)  
 DD: DEEP DEPRESSION (28-33 KT)  
 CS: CYCLONIC STORM (34-47 KT)  
 SCS: SEVERE CYCLONIC STORM (48-63KT)  
 VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)  
 ESCS: EXTREMELY SEVERE 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



**OBSERVED AND FORECAST TRACK ALONGWITH QUADRANT WIND DISTRIBUTION OF DEPRESSION OVER SOUTHWEST BAY OF BENGAL BASED ON 0300 UTC OF 4<sup>th</sup> MARCH, 2022**



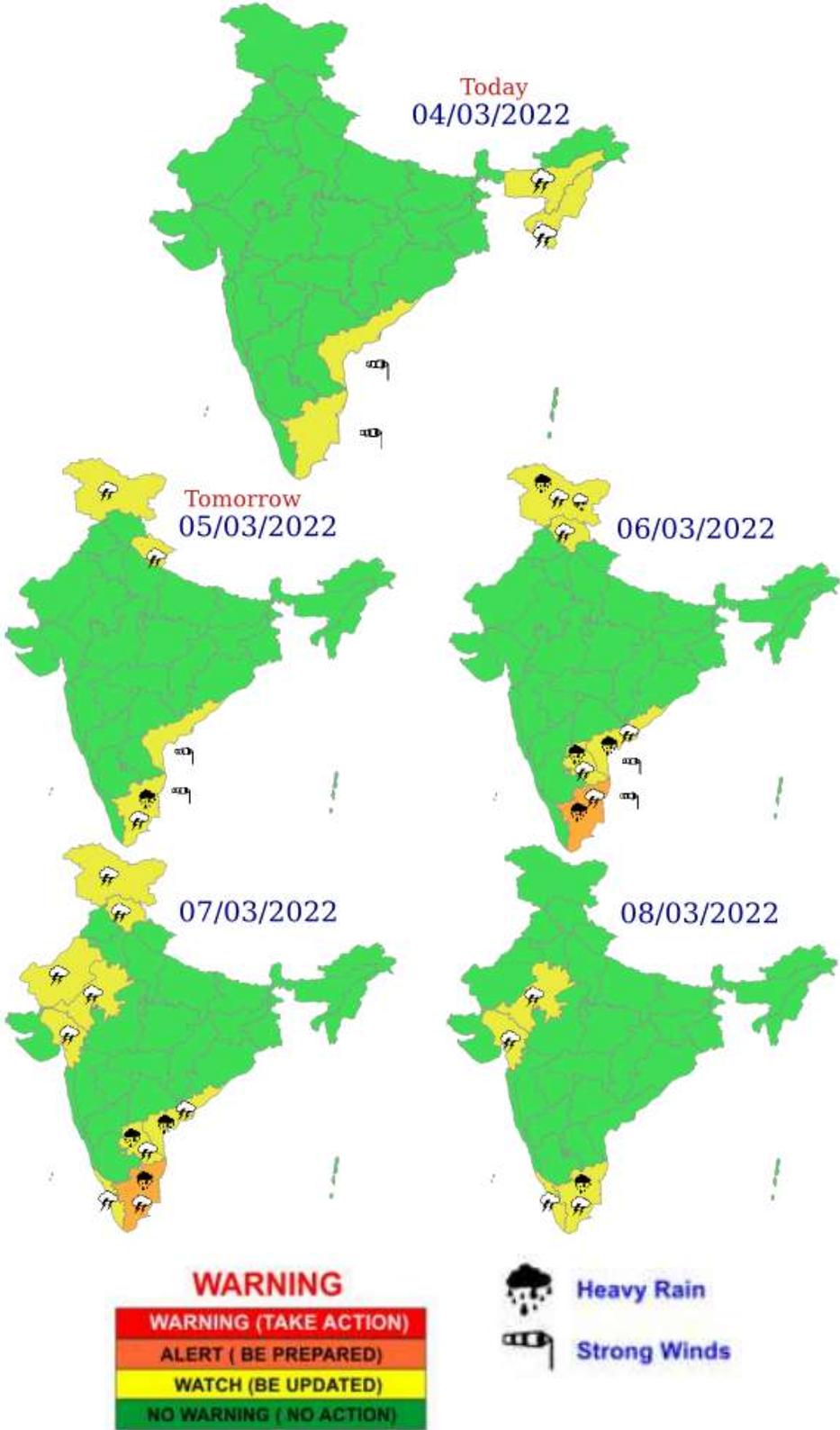
DATE/TIME IN UTC  
 IST=UTC + 0530  
 L: LOW PRESSURE AREA  
 WML: WELL MARKED LOW PRESSURE AREA  
 D: DEPRESSION (17-27 KT)  
 DD: DEEP DEPRESSION (28-33 KT)  
 CS: CYCLONIC STORM (34-47 KT)  
 SCS: SEVERE CYCLONIC STORM (48-63KT)  
 VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)  
 ESCS: EXTREMELY SEVERE 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  
 AREA OF MAXIMUM SUSTAINED WIND SPEED:  
 ■ 28-33 KT (52-61 KMPH)  
 ■ 34-49 KT (62-91 KMPH)  
 ■ 50-63 KT (92-117 KMPH)  
 ■ ≥ 64 KT (≥118 KMPH)

**IMPACT OVER THE SEA**

MSW (knot/kmph)	Impact	Action
28-33 (52-61)	Very rough seas	Total suspension of fishing operations
34-49 (62-91)	High to very high seas	Total suspension of fishing operations
50-63 (92-117)	Very high seas	Total suspension of fishing operations
≥ 64 (≥118)	Phenomenal	Total suspension of fishing operations

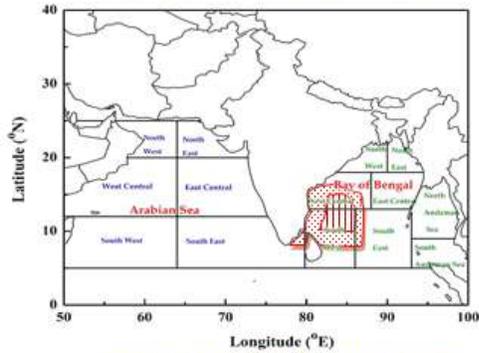
# Weather Warning for India



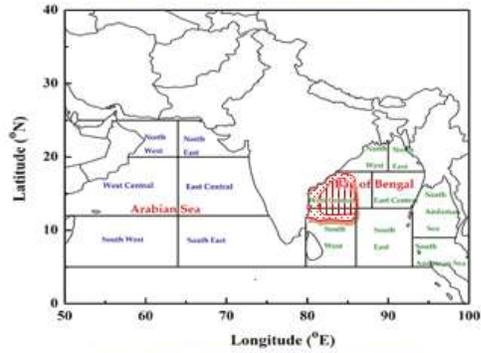
# Fishermen Warning for North Indian Ocean

## INDIA METEOROLOGICAL DEPARTMENT FISHERMAN WARNING FOR BAY OF BENGAL AND ARABIAN SEA

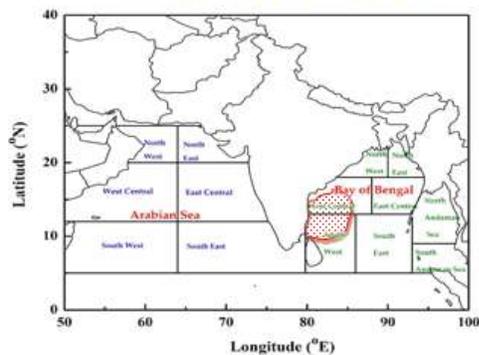
DAY-1: 04.03.2022/0600 UTC TO 05.03.2022/0600 UTC



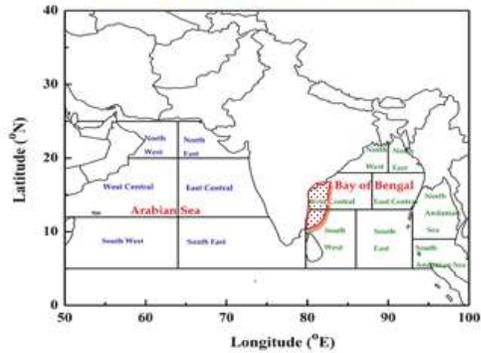
DAY-2: 05.03.2022/0600 UTC TO 06.03.2022/0600 UTC



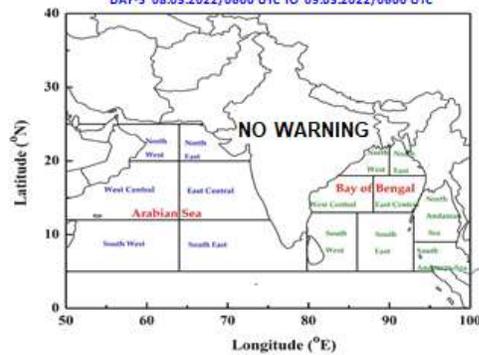
DAY-3: 06.03.2022/0600 UTC TO 07.03.2022/0600 UTC



DAY-4: 07.03.2022/0600 UTC TO 08.03.2022/0600 UTC



DAY-5: 08.03.2022/0600 UTC TO 09.03.2022/0600 UTC



### AREA UNDER FISHERMEN WARNING

-  40-50 KMPH GUSTING TO 60 KMPH (STRONG WIND)
-  40-50 KMPH GUSTING TO 60 KMPH (SQUALLY WEATHER)
-  45-55 KMPH GUSTING TO 65 KMPH
-  50-60 KMPH GUSTING TO 80 KMPH
-  70-80 KMPH GUSTING TO 90 KMPH