



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

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

**TIME OF ISSUE: 0900 HOURS IST**

**DATED: 03.03.2022**

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**Sub: Depression over southwest Bay of Bengal and adjoining Equatorial Indian Ocean**

The Well Marked Low Pressure Area over central parts of south Bay of Bengal and adjoining Equatorial Indian Ocean moved west-northwestwards and concentrated into a Depression and lay centered at 0530 hrs IST of today, the 3<sup>rd</sup> March 2022, over southwest Bay of Bengal and adjoining equatorial Indian Ocean near latitude 5.3°N and longitude 84.0°E, about 470 km south-southeast of Trincomalee (Sri Lanka), 760 km south-southeast of Nagapattinam (Tamil Nadu) and 870 km south-southeast of Puducherry (Tamil Nadu) and about 950 km south-southeast of Chennai(Tamil Nadu).

It is likely to intensify further into a Deep Depression during next 24 hours. It is likely to move northwestwards along and off east coast of Sri Lanka towards north Tamil Nadu Coast during next 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>
03.03.22/0530	5.3/84.0	40-50 gusting to 60	Depression
03.03.22/1730	6.7/83.0	45-55 gusting to 65	Depression
04.03.22/0530	8.1/82.2	50-60 gusting to 70	Deep Depression
04.03.22/1730	9.5/81.5	50-60 gusting to 70	Deep Depression
05.03.22/0530	10.9/80.7	50-60 gusting to 70	Deep Depression

## **Warnings:**

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

**3<sup>rd</sup> March**– Light to moderate rainfall/thunder shower at a few places with isolated heavy rainfall likely over coastal Tamil Nadu, Puducherry & Karaikal.

**4<sup>th</sup> March**– Light to moderate rainfall/thunder shower at a few places with isolated heavy to very heavy rainfall likely over coastal Tamil Nadu, Puducherry & Karaikal.

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

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

- Squally winds speed reaching 40-50 kmph gusting to 60 kmph are very likely to prevail over Southwest & adjoining Westcentral Bay of Bengal, along & off Tamil Nadu, Gulf of Mannar during next 24 hours and gradually becomes 50-60 kmph gusting to 70 kmph for subsequent 36 hours over the region till evening of 5<sup>th</sup> March. Squally winds speed reaching 40-50 kmph gusting to 60 kmph are very likely over Equatorial Indian Ocean during next 24 hours.
- Squally winds speed reaching 50-60 kmph gusting to 70 kmph is very likely to prevail over Westcentral & adjoining Southwest Bay of Bengal, along & off north Tamil Nadu-Andhra Pradesh coasts from evening of 5<sup>th</sup> till morning of 6<sup>th</sup> March. Strong winds speed reaching 40-50 kmph gusting to 60 kmph are very likely to prevail over north Tamil Nadu- south Andhra Pradesh coasts on 6<sup>th</sup> March.

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

- Sea condition will be rough over Southwest & adjoining westcentral Bay of Bengal. Gulf of Mannar and Comorin area during next 24 hours and rough to very rough for subsequent 36 hours over the region till evening of 5<sup>th</sup> March. Rough to very rough sea conditions along & off Tamil Nadu, Puducherry & south Andhra Pradesh coasts during 5<sup>th</sup> – 6<sup>th</sup> March. Sea condition will be rough over Equatorial Indian Ocean during next 24 hours.

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

- Fishermen are advised not to venture into Southwest Bay of Bengal and adjoining Equatorial Indian Ocean, Gulf of Mannar and Comorin area, along & off Tamil Nadu, Puducherry till 4<sup>th</sup> March and over westcentral & adjoining southwest Bay of Bengal and along & off north Tamil Nadu, Puducherry & south Andhra Pradesh coasts on 5<sup>th</sup> & 6<sup>th</sup> March.

## **(v) EXPECTED IMPACT & ACTION SUGGESTED due to very heavy/extremely heavy rain over Tamil Nadu, Puducherry & Karaikal and adjoining areas of south coastal Andhra Pradesh and Rayalaseema on 5<sup>th</sup> March.**

### **A. Impact Expected**

- Localized Flooding of roads, inundation and water logging in low lying areas and closure of underpasses mainly in urban areas of the above region.
- 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 1130 hrs IST of today, the 3<sup>rd</sup> March, 2022.*

**(A K Das)**  
**Scientist-E, RSMC, New Delhi**

*Copy to: ACWC Kolkata/ ACWC Chennai/ CWC Bhubaneswarr//CWC Thiruvananthapuram/*

SAT : INSAT-3D IMG

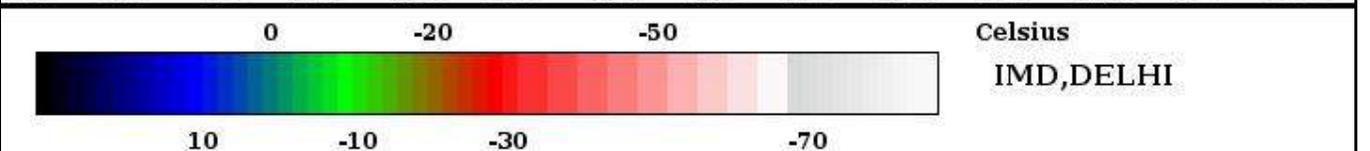
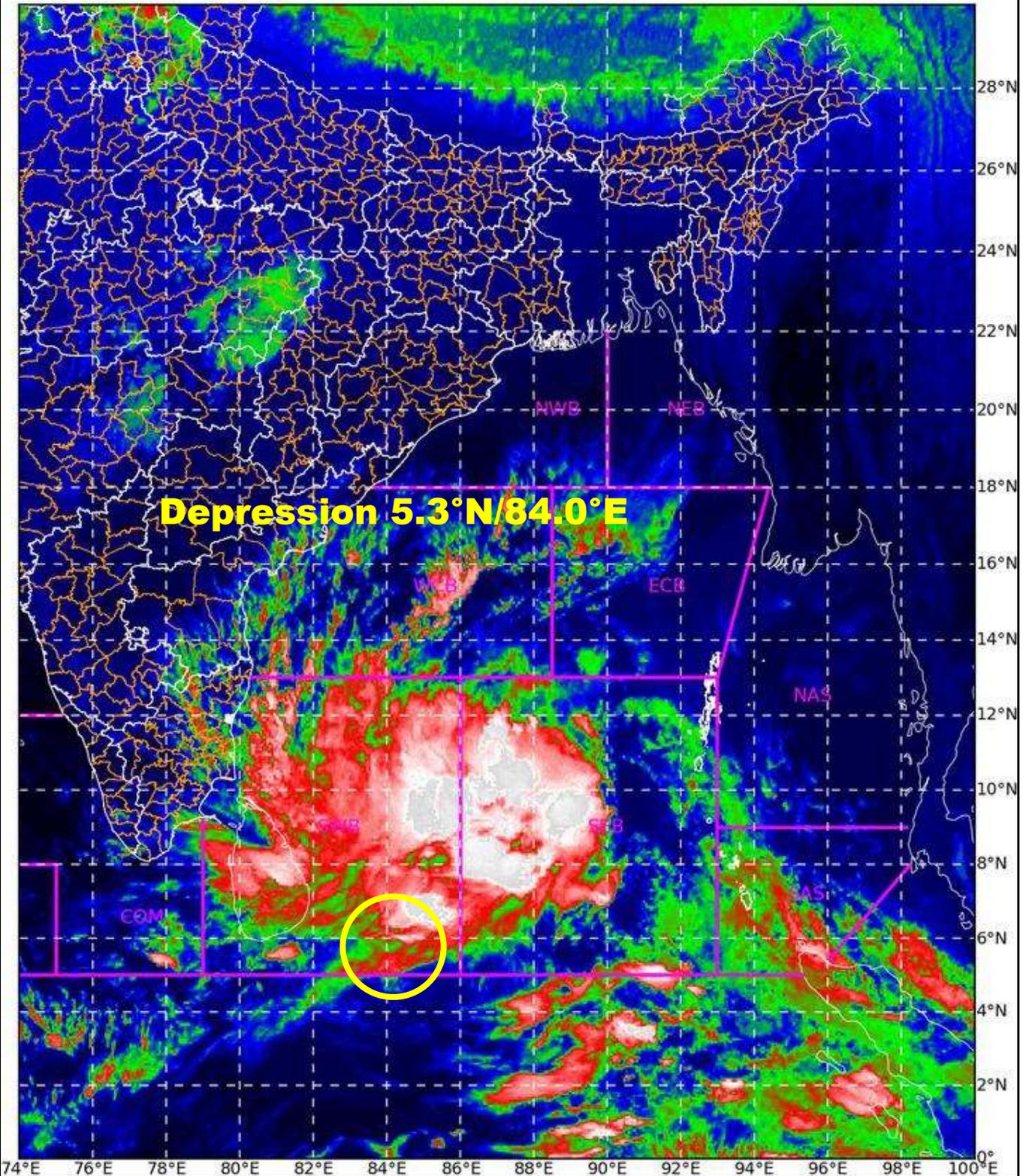
03-03-2022/(0230 to 0257) GMT

IMG\_TIR1\_TEMP 10.8 um

03-03-2022/(0800 to 0827) IST

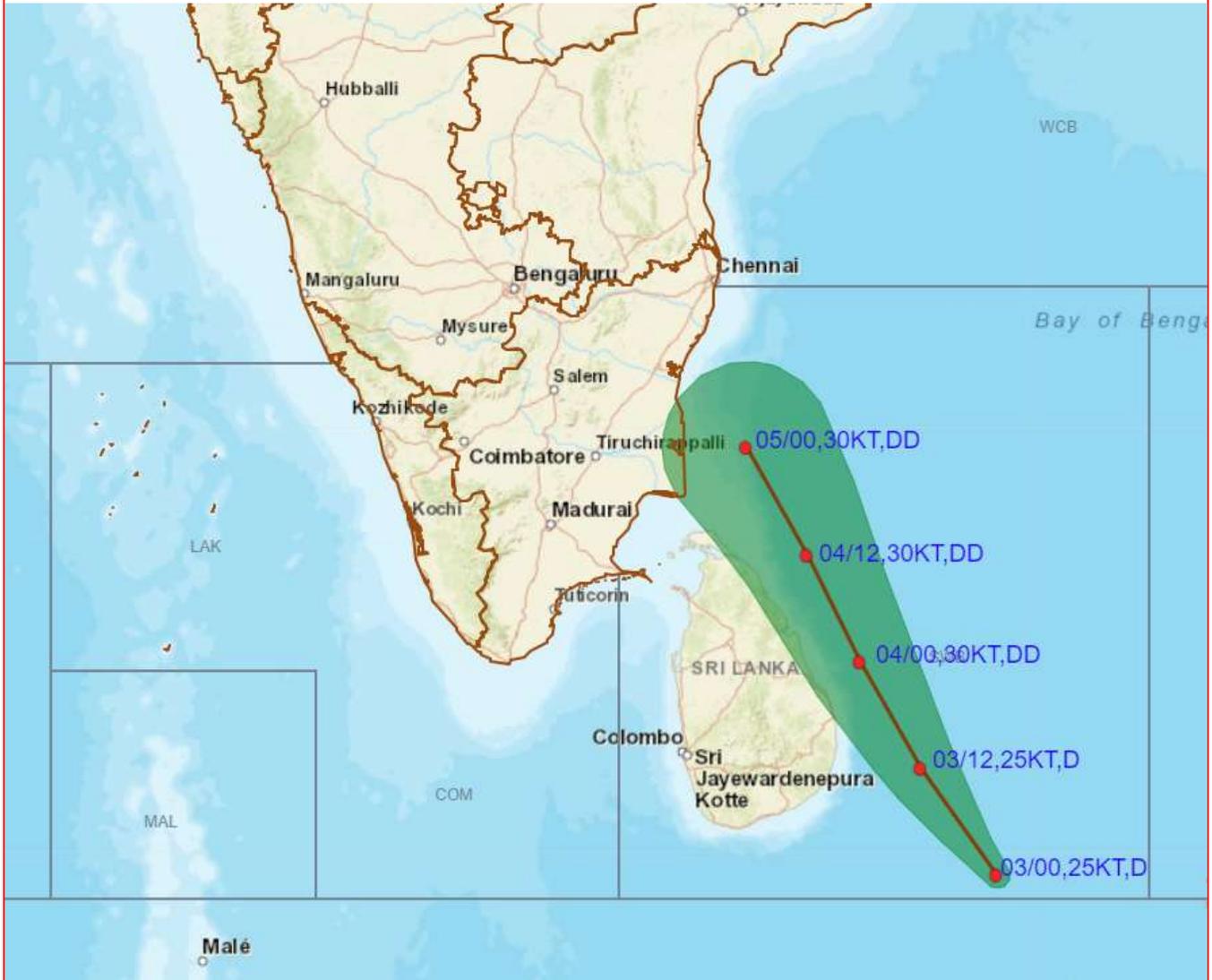


L1C Mercator





# OBSERVED AND FORECAST TRACK ALONGWITH CONE OF UNCERTAINTY OF DEPRESSION OVER SOUTHWEST BAY OF BENGAL AND ADJOINING EQUATORIAL INDIAN OCEAN BASED ON 0000 UTC OF 3RD MARCH, 2022

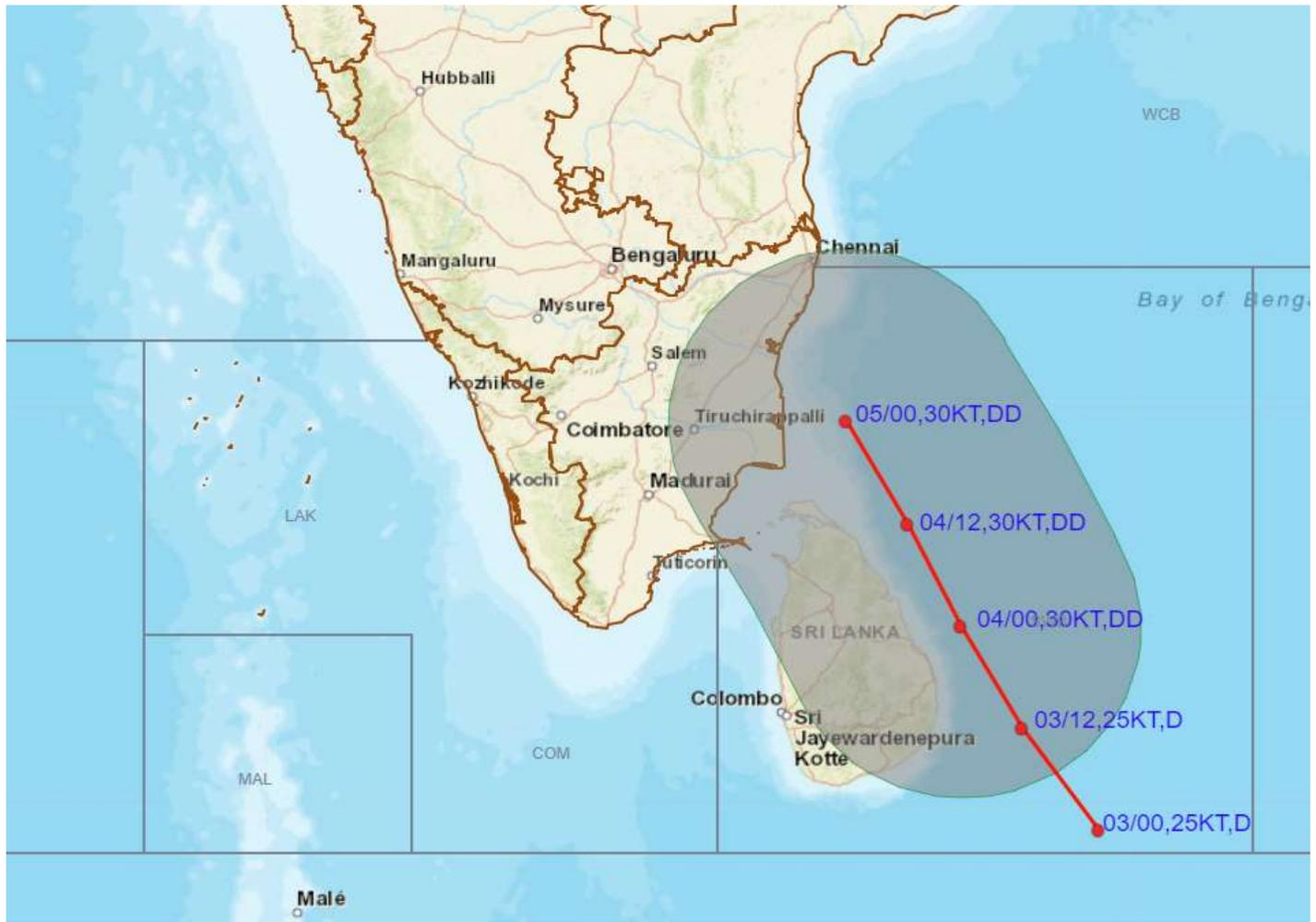


DATE/TIME IN UTC  
IST=UTC + 0530  
L: LOW PRESSURE AREA  
WML: WELL MARKED LOW PRESSURE AREA  
D: DEPRESSION (17-27 KT)  
DD: DEEP DEPRESSION (28-33 KT)  
CS: CYCLONIC STORM (34-47 KT)  
SCS: SEVERE CYCLONIC STORM (48-63KT)  
VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)  
ESCS: EXTREMELY SEVERE CYCLONIC STORM (90-119 KT)  
SuCS: SUPER CYCLONIC STORM ( $\geq$  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 AND ADJOINING EQUATORIAL INDIAN OCEAN BASED ON 0000 UTC OF 3RD MARCH, 2022**

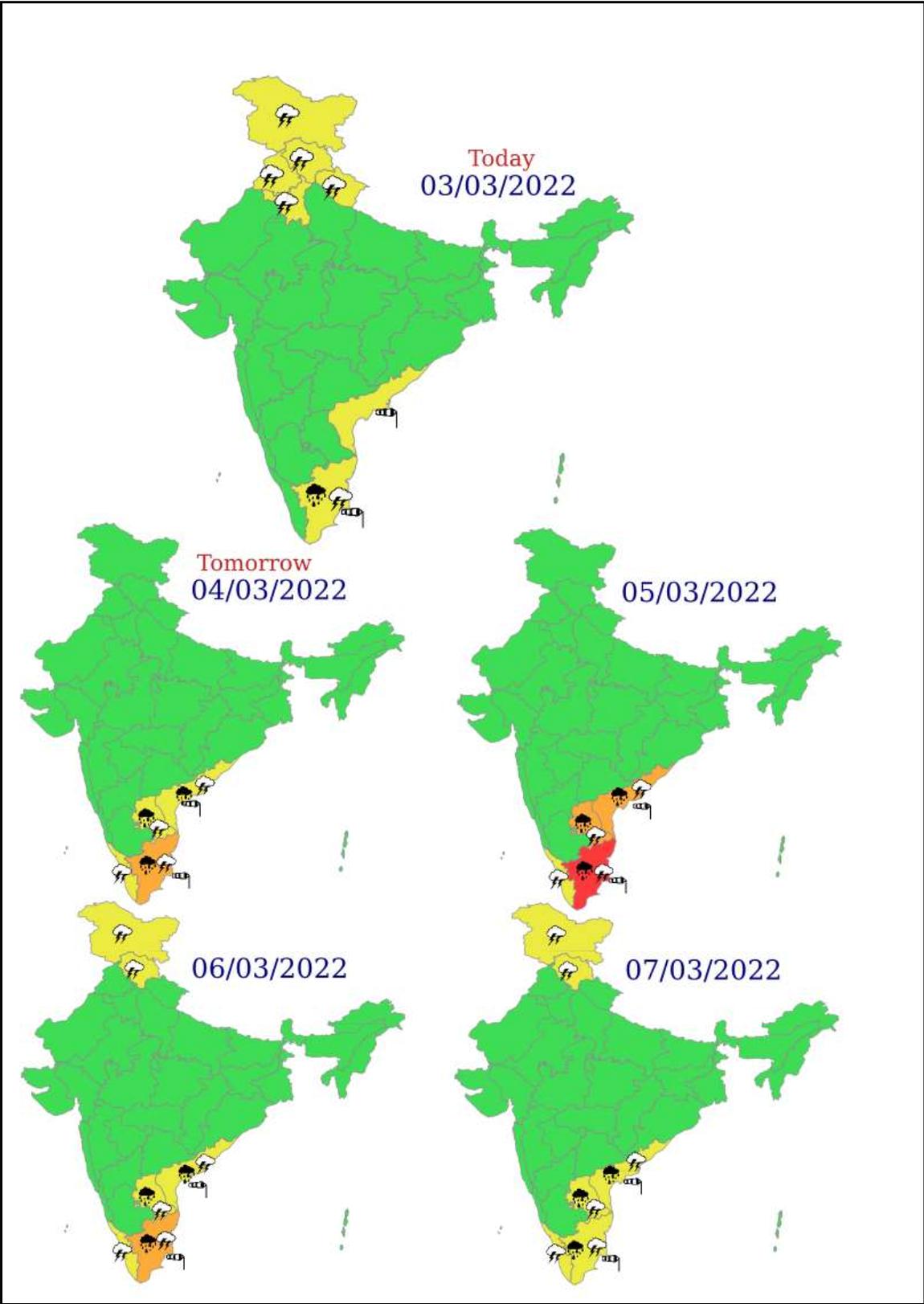


DATE/TIME IN UTC  
 IST=UTC + 0530  
 L: LOW PRESSURE AREA  
 WML: WELL MARKED LOW PRESSURE AREA  
 D: DEPRESSION (17-27 KT)  
 DD: DEEP DEPRESSION (28-33 KT)  
 CS: CYCLONIC STORM (34-47 KT)  
 SCS: SEVERE CYCLONIC STORM (48-63KT)  
 VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)  
 ESCS: EXTREMELY SEVERE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

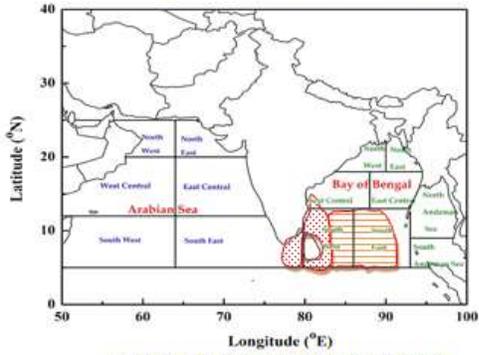
MSW (knot/kmph)	Impact	Action
28-33 (52-61)	Very rough seas	Total suspension of fishing operations
34-49 (62-91)	High to very high seas	Total suspension of fishing operations
50-63 (92-117)	Very high seas	Total suspension of fishing operations
≥ 64 (≥118)	Phenomenal	Total suspension of fishing operations



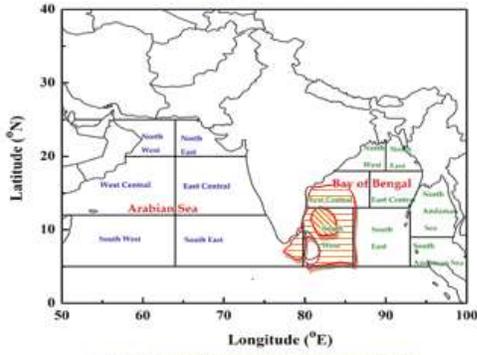
**Weather Warning for India**

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

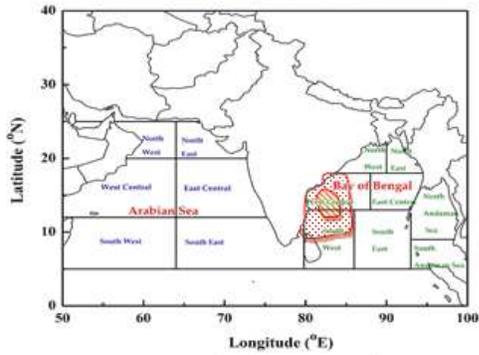
DAY-1: 02.03.2022/0600 UTC TO 03.03.2022/0600 UTC



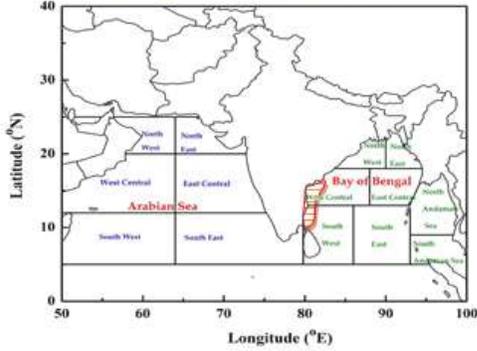
DAY-2: 03.03.2022/0600 UTC TO 04.03.2022 /0600 UTC



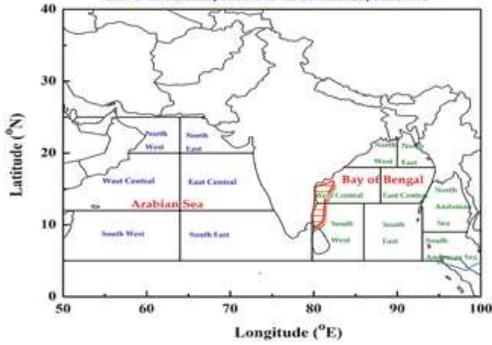
DAY-3: 04.03.2022/0600 UTC TO 05.03.2022/0600 UTC



DAY-4 05.03.2022/0600 UTC TO 06.03.2022/0600 UTC



DAY-5 06.03.2022/0600 UTC TO 07.03.2022/0600 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
- 60-70 KMPH GUSTING TO 80 KMPH
- 70-80 KMPH GUSTING TO 90 KMPH
- 80-90 KMPH GUSTING TO 95 KMPH
- 90-100 KMPH GUSTING TO 110 KMPH

**Fishermen Warning for North Indian Ocean**