



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

BULLETIN NO. : 06 (BOB/01/2022)

TIME OF ISSUE: 0830 HOURS IST

DATED: 04.03.2022

**FROM: INDIA METEOROLOGICAL DEPARTMENT (FAX NO. 24643965/24699216/24623220)
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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 13 kmph during last 06 hours and lay centered at 0530 hrs IST of today, the 4th March 2022, over the same region near latitude 8.5°N and longitude 83.0°E, about 190 km east of Trincomalee (Sri Lanka), 430km east-southeast of Nagappattinam (Tamil Nadu), 520 km southeast of Puducherry (Tamil Nadu) and about 580 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 along & 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:

Date/Time(IST)	Position (Lat. °N/ long. °E)	Maximum sustained surface wind speed (Kmph)	Category of cyclonic disturbance
04.03.22/0530	8.5/83.0	45-55 gusting to 65	Depression
04.03.22/1730	9.9/82.5	50-60 gusting to 70	Deep Depression
05.03.22/0530	10.5/82.1	50-60 gusting to 70	Deep Depression
05.03.22/1730	10.9/81.6	50-60 gusting to 70	Deep Depression
06.03.22/0530	11.3/81.0	40-50 gusting to 60	Depression

Warnings:

(i) Rainfall (warning graphics enclosed)

4th March– Light to moderate rainfall/thundershower at few places with isolated heavy rainfall likely over coastal Tamil Nadu, Puducherry & Karaikal. Light to moderate rainfall/thunder shower at isolated places likely over south coastal Andhra Pradesh and Rayalaseema.

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

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

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

8th March: Light to moderate rainfall/thunder shower at many places with isolated heavy rainfall very likely over Tamil Nadu, Puducherry & Karaikal and isolated heavy falls very likely over south coastal Andhra Pradesh and Rayalaseema.

(ii) Wind warning

- **4th and 5th March:** Squally winds speed would gradually increase becoming 50-60 kmph gusting to 70 kmph over Southwest & adjoining Westcentral Bay of Bengal, Gulf of Mannar and along & off north Tamil Nadu, Puducherry & South Andhra Pradesh coasts.
- **6th 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 4th– 6th 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 6th 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 6th -7th 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 kutchra 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.

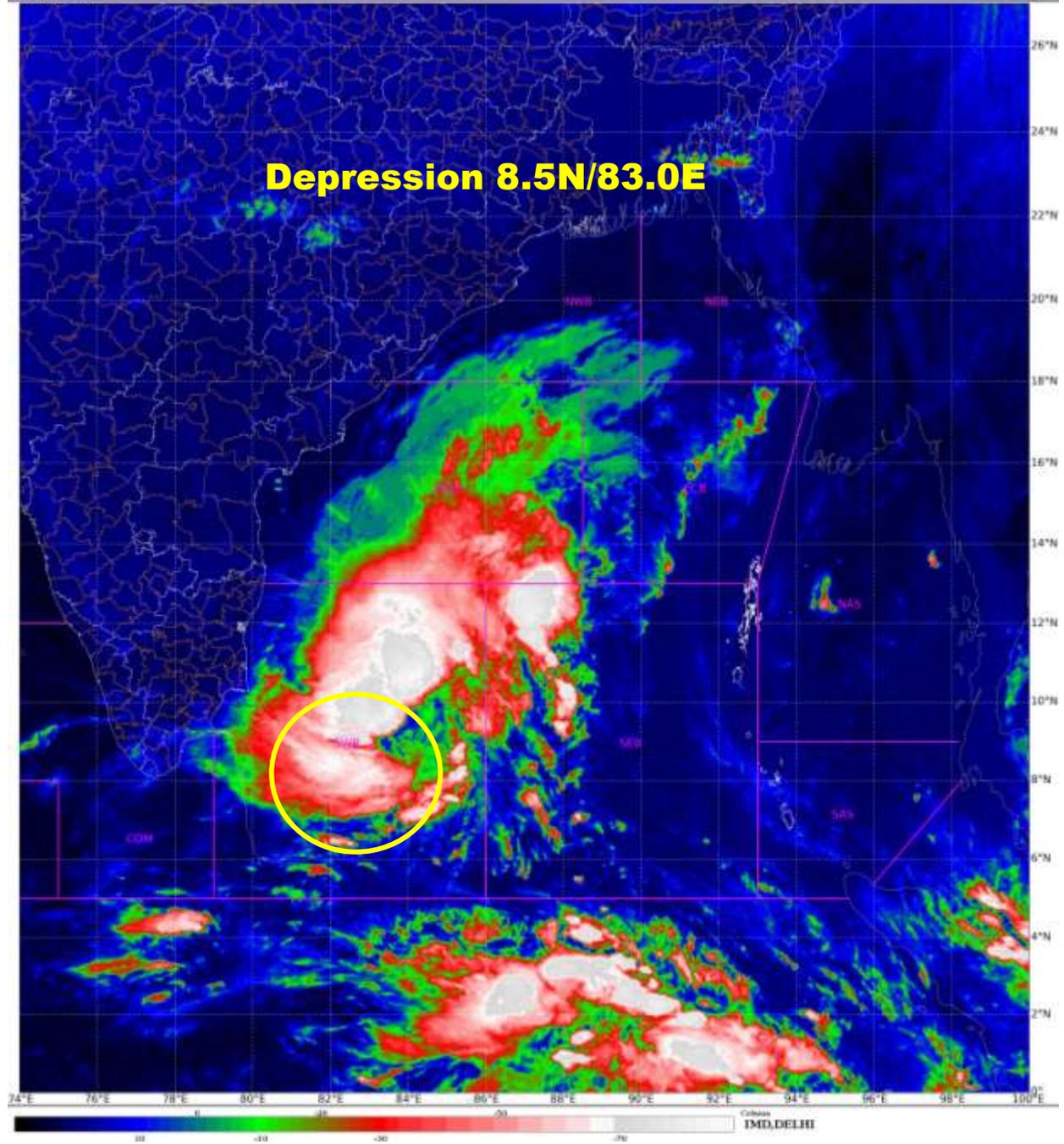
B. Action Suggested

- 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 04th March, 2022.

(Ananda Kumar Das)
Scientist-E, RSMC, New Delhi

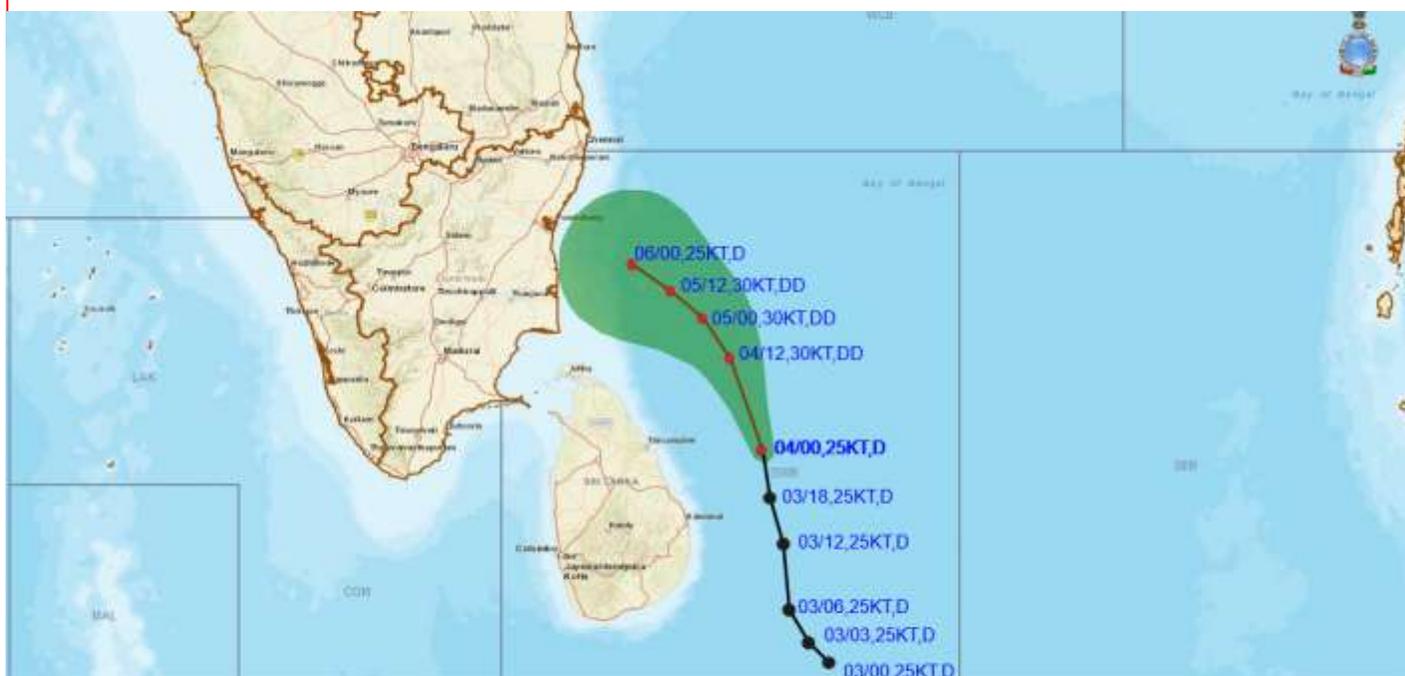
Copy to: ACWC Kolkata/ ACWC Chennai/ CWC Bhubaneswar/CWC Thiruvananthapuram/MC Amravati/MO Port Blair





OBSERVED AND FORECAST TRACK ALONGWITH CONE OF UNCERTAINTY OF DEPRESSION OVER SOUTHWEST BAY OF BENGAL BASED ON 0000 UTC OF 4th MARCH, 2022

STATIONS	DISTANCE (KM) AND DIRECTION FROM STATIONS		
	04.03.22/0000	05.03.22/0000	06.03.22/0000
TRINCOMALEE	198, E	241, NNE	309, NNW
NAGAPATTINAM	434, ESE	255, ESE	143, NNE
PUDUCHERRY	514, SE	296, ESE	148, ESE
CHENNAI	579, SSE	341, SSE	204, SSE

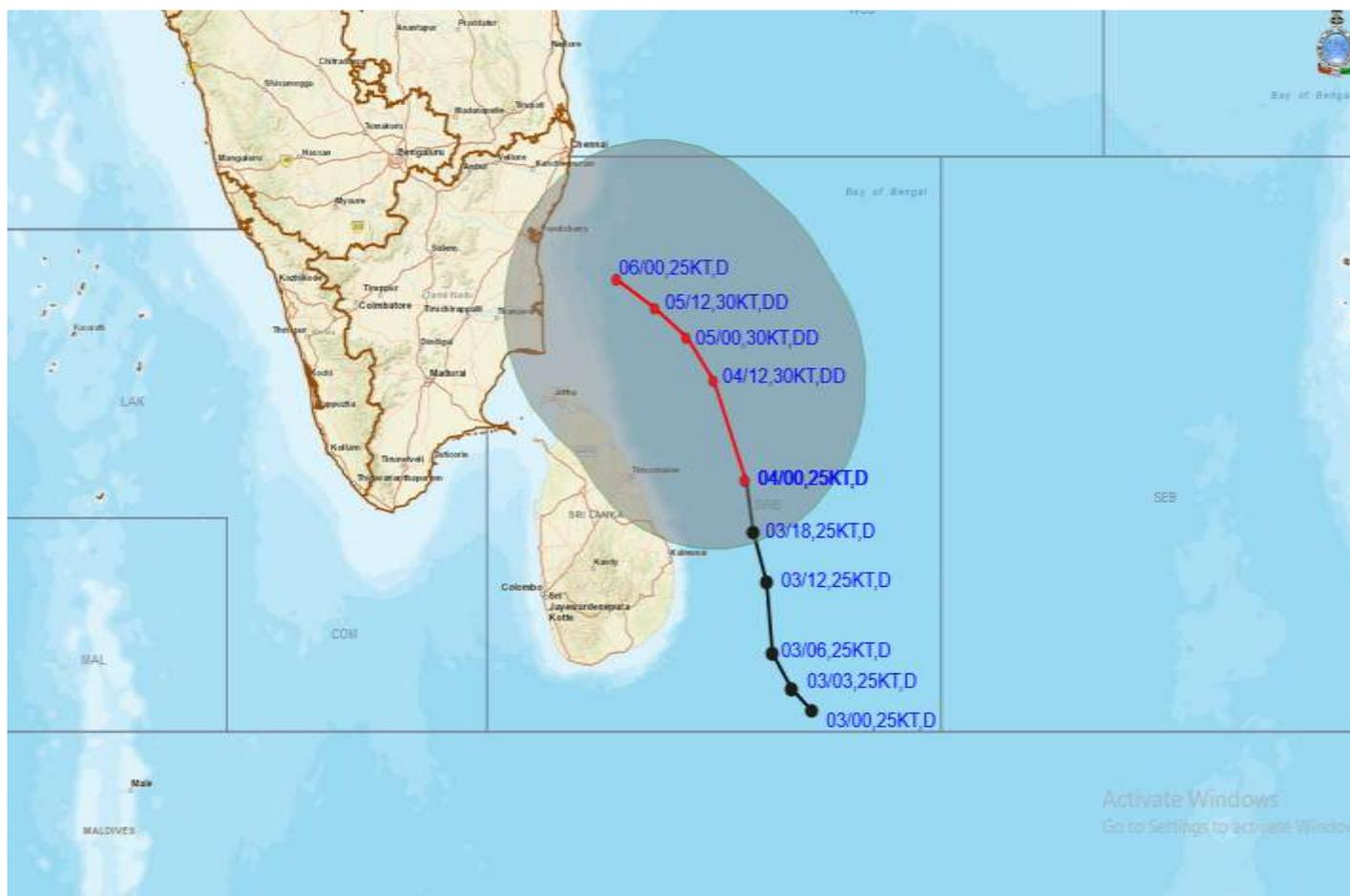


DATE/TIME IN UTC
 IST=UTC + 0530
 L: LOW PRESSURE AREA
 WML: WELL MARKED LOW PRESSURE AREA
 D: DEPRESSION (17-27 KT)
 DD: DEEP DEPRESSION (28-33 KT)
 CS: CYCLONIC STORM (34-47 KT)
 SCS: SEVERE CYCLONIC STORM (48-63KT)
 VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)
 ESCS: EXTREMELY SEVERE CYCLONIC STORM (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 0000 UTC OF 4th 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)

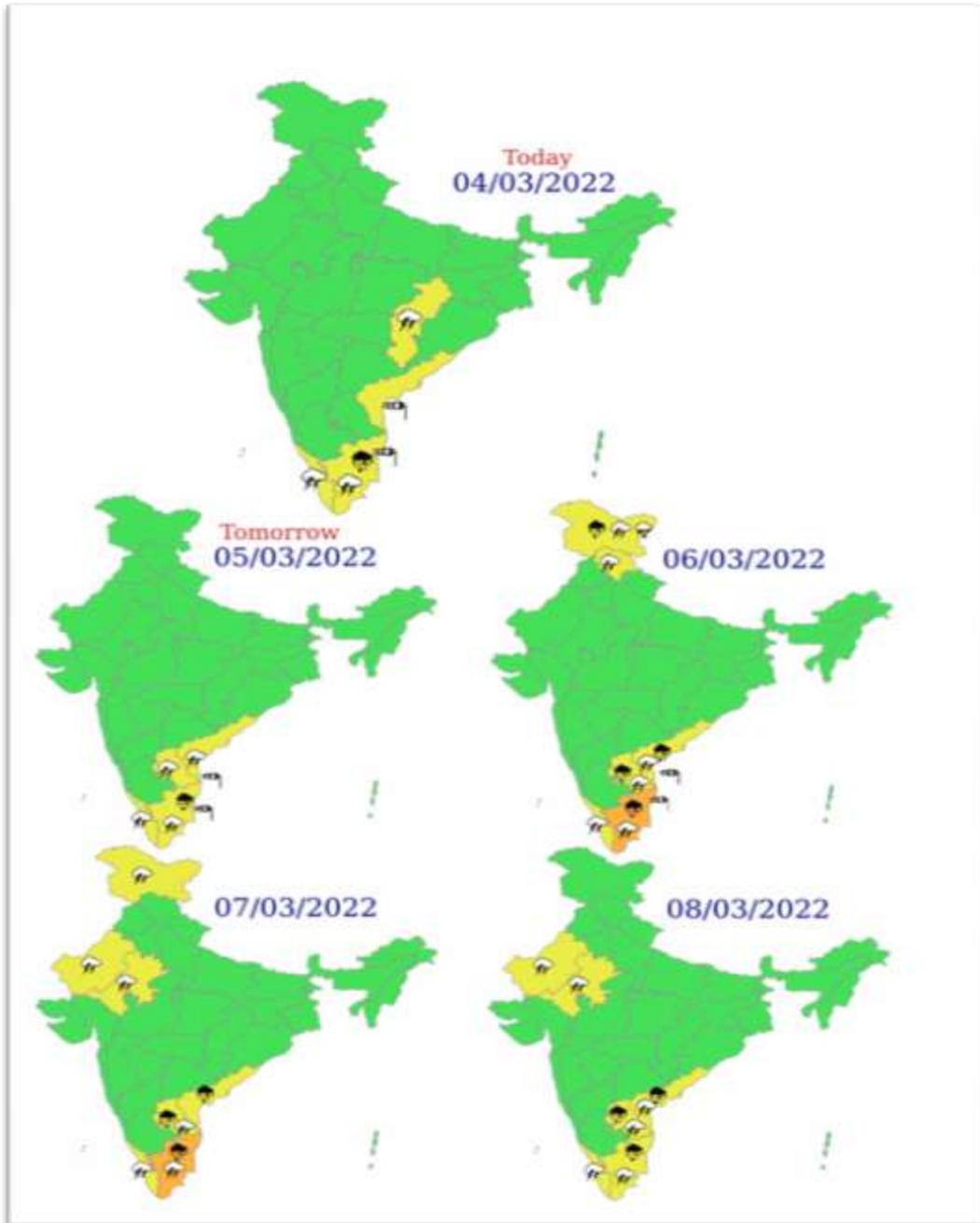
■ 50-63 KT (92-117 KMPH)

■ ≥ 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



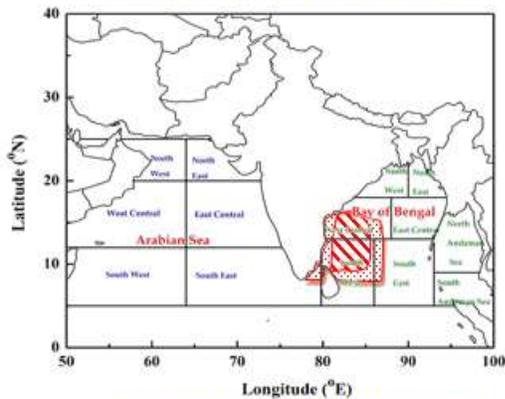
WARNING
WARNING (TAKE ACTION)
ALERT (BE PREPARED)
WATCH (BE UPDATED)
NO WARNING (NO ACTION)

-  Heavy Rain
-  Strong Winds

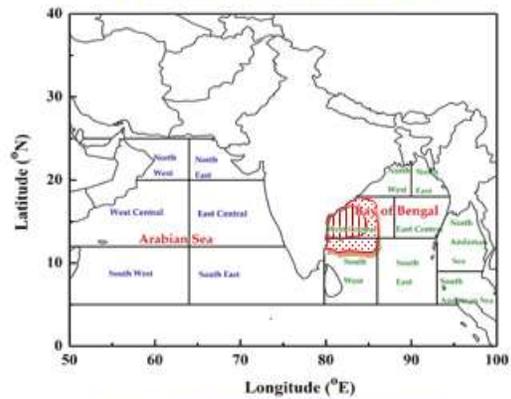
Fishermen Warning for North Indian Ocean

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

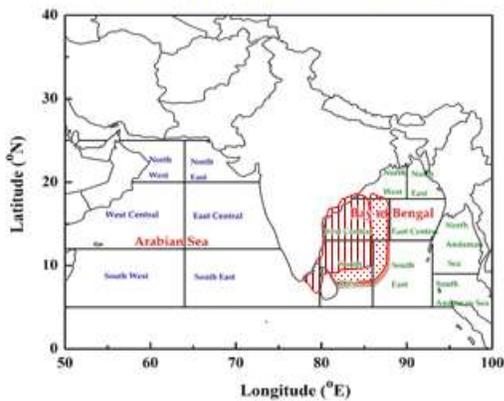
DAY-1: 03.03.2022/0600 UTC TO 04.03.2022/0600 UTC



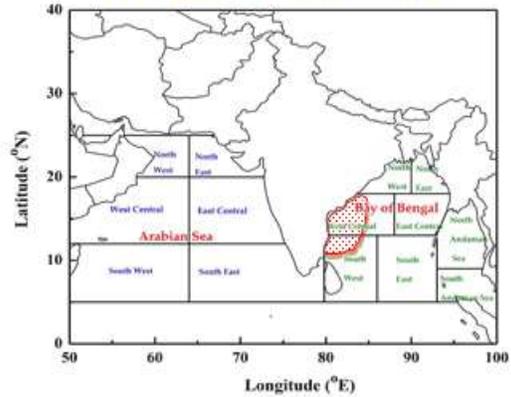
DAY-2: 04.03.2022/0600 UTC TO 05.03.2022/0600 UTC



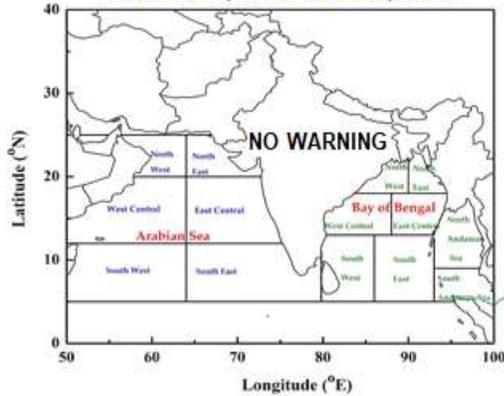
DAY-3: 05.03.2022/0600 UTC TO 06.03.2022/0600 UTC



DAY-4: 06.03.2022/0600 UTC TO 07.03.2022/0600 UTC



DAY-5: 07.03.2022/0600 UTC TO 08.03.2022/0600 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