



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

BULLETIN NO. : 08 (BOB/01/2022)

TIME OF ISSUE: 1400 HOURS IST

DATED: 04.03.2022

FROM: INDIA METEOROLOGICAL DEPARTMENT (FAX NO. 24643965/24699216/24623220)
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CHIEF SECRETARY, ODISHA (FAX NO. 0674-2536660)
CHIEF SECRETARY, WEST BENGAL (FAX NO. 033-22144328)
CHIEF SECRETARY, KERALA (FAX NO 0471-2327176)

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 1130 hrs IST of today, the 4th March 2022, over the same region near latitude 9.2°N and longitude 82.8°E, about 180 km east-northeast of Trincomalee (Sri Lanka), 370km east-southeast of Nagappattinam (Tamil Nadu), 440 km southeast of Puducherry (Tamil Nadu) and about 500 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 5th 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:

Date/Time(IST)	Forecast Lead Period	Position (Lat. °N/ long. °E)	Maximum sustained surface wind speed (kmph)	Category of cyclonic disturbance
04.03.22/1130	00	9.2 /82.8	45-55 gusting to 65	Depression
04.03.22/2330	12	10.1/82.4	50-60 gusting to 70	Deep Depression
05.03.22/1130	24	10.7/82.0	50-60 gusting to 70	Deep Depression
05.03.22/2330	36	11.0/81.5	45-55 gusting to 65	Depression
06.03.22/1130	48	11.1/81.0	40-50 gusting to 60	Depression

Warnings:

(i) Rainfall (warning graphics enclosed)

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

5th 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.

6th 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.

7th 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

- **4th and 5th 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 4th evening. Thereafter, the winds would gradually increase becoming 50-60 kmph gusting to 70 kmph over the same region till 6th March.
- **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 7th 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.
- 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.

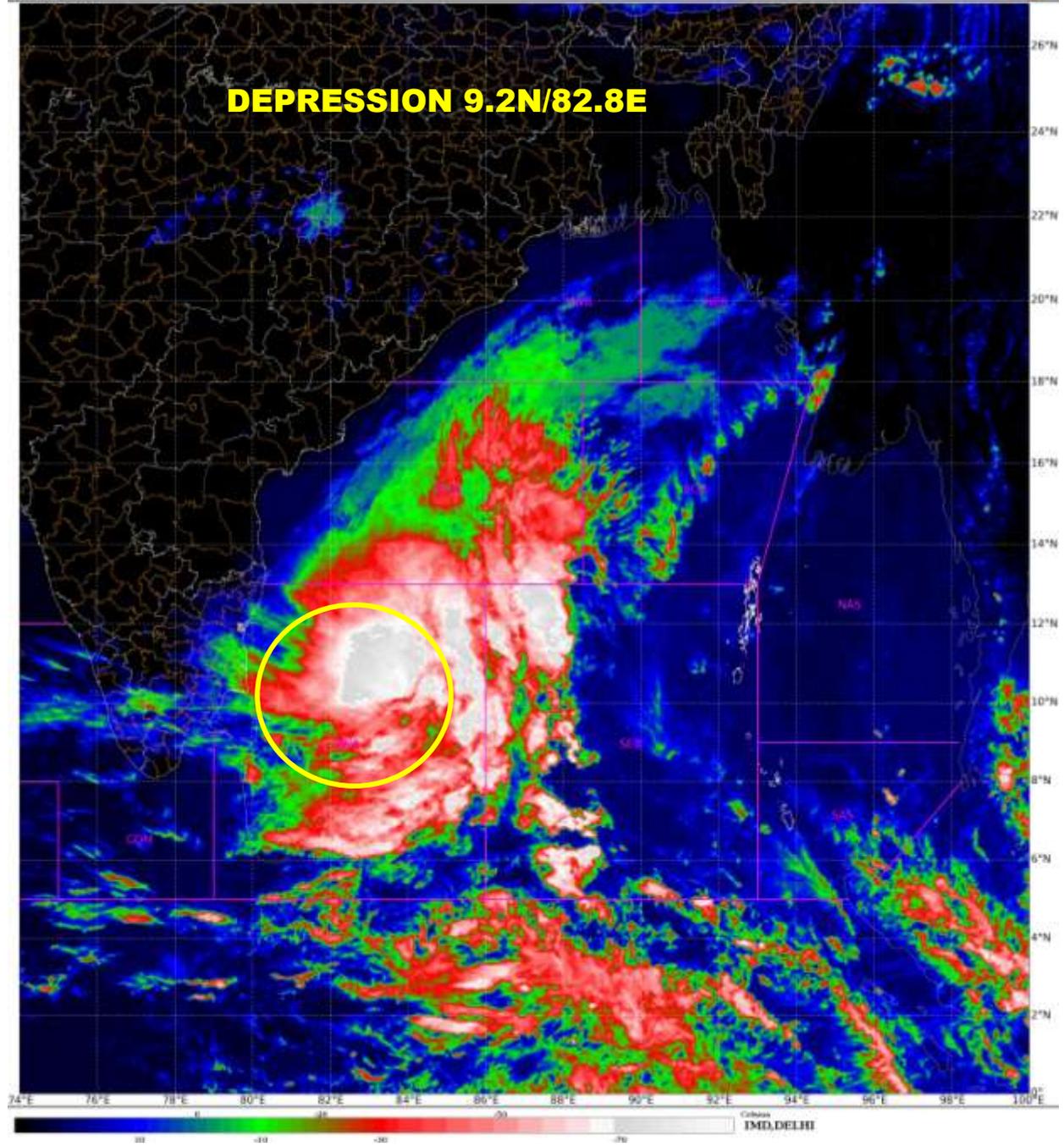
The next bulletin will be issued at 2030 hrs IST of today, the 04th March, 2022.

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

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



DEPRESSION 9.2N/82.8E





OBSERVED AND FORECAST TRACK ALONGWITH CONE OF UNCERTAINTY OF DEPRESSION OVER SOUTHWEST BAY OF BENGAL BASED ON 0600 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

STATIONS	DISTANCE (KM) AND DIRECTION FROM STATIONS		
	04.03.22/0600	05.03.22/0600	06.03.22/0600
TRINCOMALEE	180,ENE	250,NNE	280,N
NAGAPATTINAM	370,ESE	240,E	130,ENE
PUDUCHERRY	450,SE	280,ESE	160,SE
CHENNAI	570,SSE	380,SSE	300,SSE

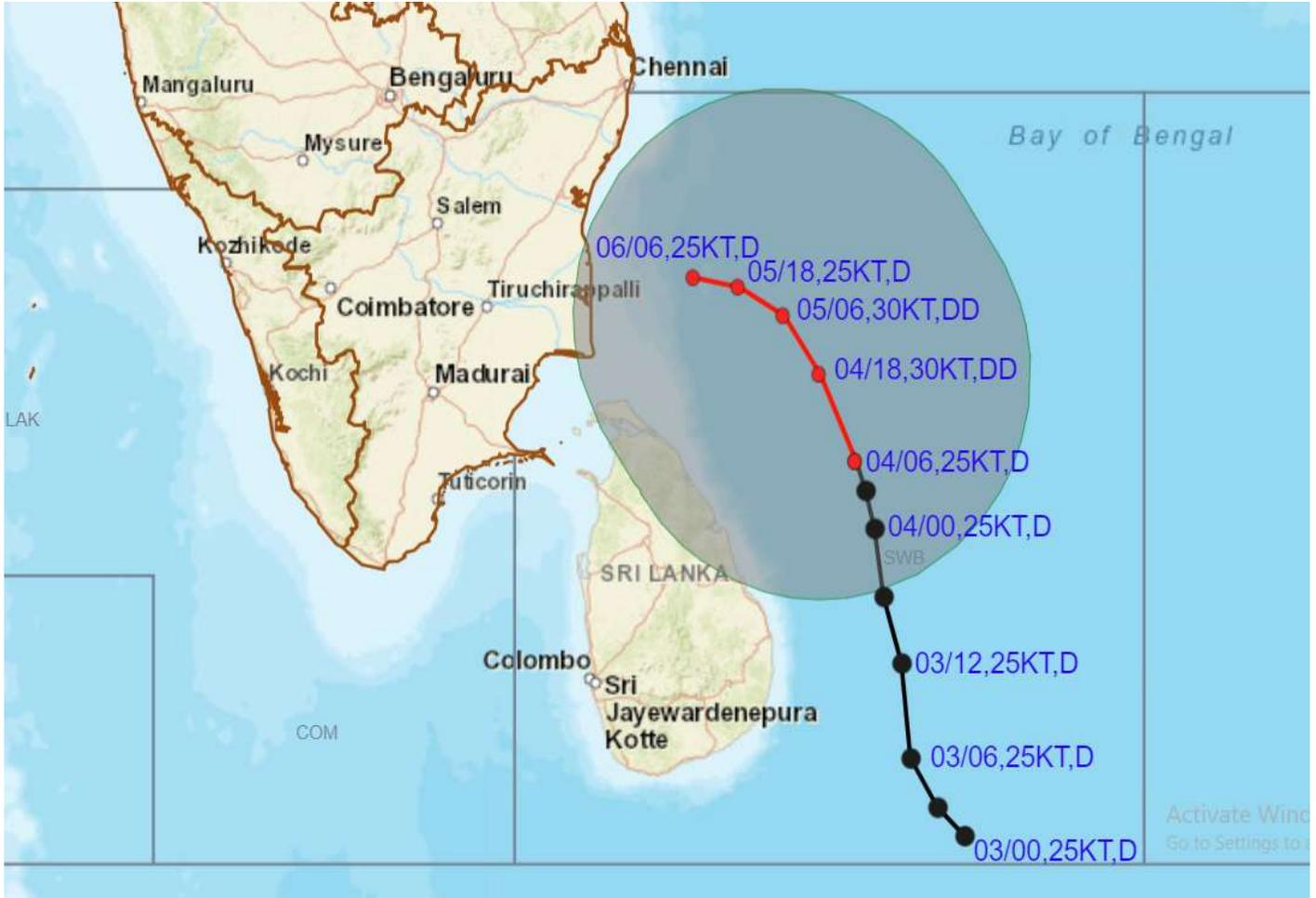
Forecast distance(km) & direction of Centre of Depression from nearest 5 coastal stations

Date/ Time(UTC)	Station 1	Station 2	Station 3	Station 4	Station 5
04.03.22/0600	Trincomalee (180,ENE)	Batticloa (200,NE)	Kankasanturai (310,ESE)	Mannar (320,E)	Vedaranyam (350,ESE)
04.03.22/1800	Batticloa (210,NNE)	Kankasanturai (260,E)	Mannar (280,ENE)	Vedaranyam (280,E)	Puttalam (290,NE)
05.03.22/0600	Kankasanturai (230,ENE)	Mannar (240,NE)	Vedaranyam (240,E)	Puttalam (240,NE)	Ramalanka (240,NE)
05.03.22/1800	Mannar (180,NE)	Vedaranyam (180,ENE)	Puttalam (180,NNE)	Ramalanka (180,NE)	Velankanni (190,E)
06.03.22/0600	Vedaranyam (130,ENE)	Puttalam (130,NNE)	Ramalanka (130,NE)	Velankanni (140,ENE)	Nagapattinam (140,ENE)

N:NORTH, NNE:NORTH-NORTHEAST, NE:NORTHEAST, ENE:EAST-NORTHEAST, E:EAST, ESE:EAST-SOUTHEAST, SE:SOUTHEAST, SSE:SOUTH-SOUTHEAST, S:SOUTH, SSW:SOUTH-SOUTHWEST, SW:SOUTHWEST, WSW:WEST-SOUTHWEST, W:WEST, WNW:WEST-NORTHWEST, NW:NORTHWEST, NNW:NORTH-NORTHWEST



OBSERVED AND FORECAST TRACK ALONGWITH QUADRANT WIND DISTRIBUTION OF DEPRESSION OVER SOUTHWEST BAY OF BENGAL BASED ON 0600 UTC OF 4th MARCH, 2022



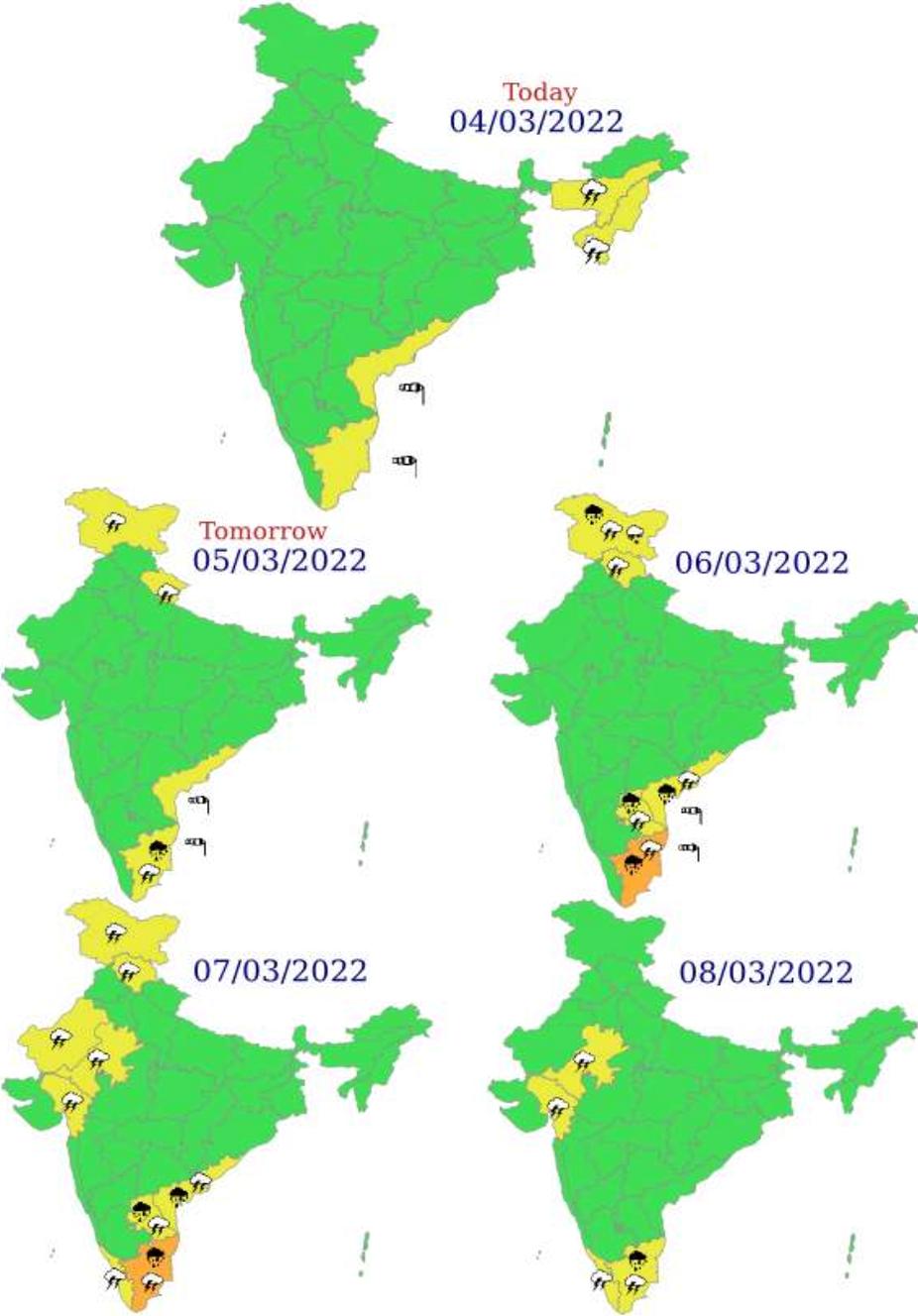
DATE/TIME IN UTC
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 SuCS: SUPER CYCLONIC STORM (≥ 120 KT)

● 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



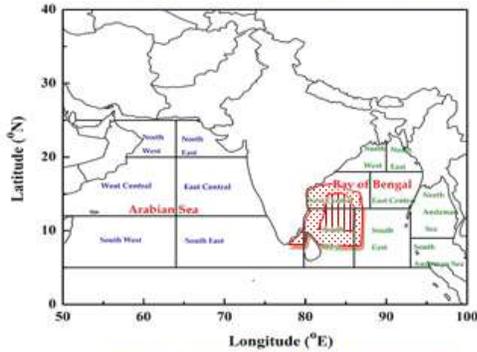
WARNING
WARNING (TAKE ACTION)
ALERT (BE PREPARED)
WATCH (BE UPDATED)
NO WARNING (NO ACTION)

 Heavy Rain
 Strong Winds

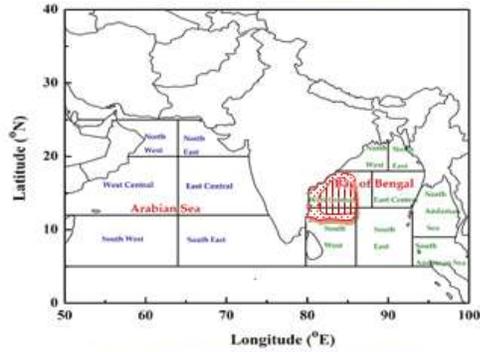
Fishermen Warning for North Indian Ocean

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

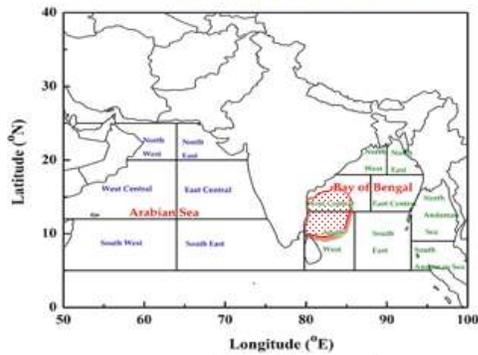
DAY-1: 04.03.2022/0600 UTC TO 05.03.2022/0600 UTC



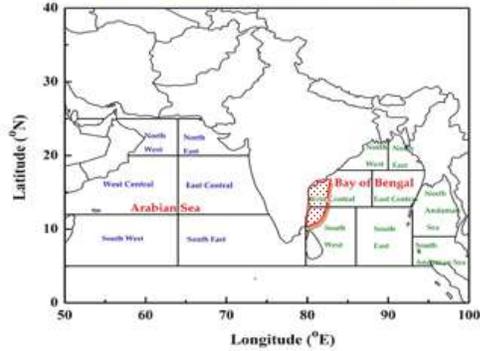
DAY-2: 05.03.2022/0600 UTC TO 06.03.2022/0600 UTC



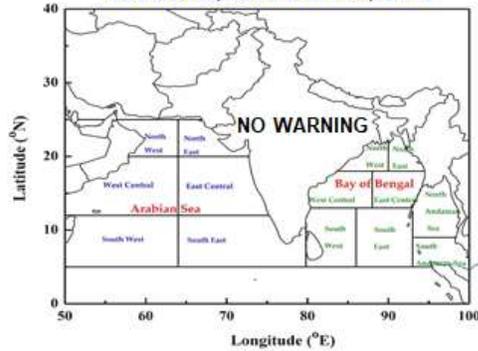
DAY-3: 06.03.2022/0600 UTC TO 07.03.2022/0600 UTC



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