



India Meteorological Department
(Ministry of Earth Sciences)

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Sub: Deep Depression over southwest Bay of Bengal

The Deep Depression over southwest Bay of Bengal remained practically stationary and lay centered at 1730 hrs IST of 5th March 2022, over the same region near latitude 11.7°N and longitude 82.5°E, about 370 km north-northeast of Trincomalee (Sri Lanka), 320km east-northeast of Nagappattinam (Tamil Nadu), 290 km east of Puducherry (Tamil Nadu) and about 270 km east-southeast of Chennai (Tamil Nadu).

It is likely to move west-southwestwards towards north Tamil Nadu Coast and weaken gradually into a depression during next 12 hours and into a well marked low pressure area during subsequent 24 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
05.03.22/1730	00	11.7/82.5	50-60 gusting to 70	Deep Depression
06.03.22/0530	12	11.6/82.1	45-55 gusting to 65	Depression
06.03.22/1730	24	11.4/81.7	40-50 gusting to 60	Depression
07.03.22/0530	36	10.9/81.0	30-40 gusting to 50	Well Marked Low Pressure Area

Warnings:

(i) Rainfall (warning graphics enclosed)

5th March– Light to moderate rainfall/thundershower at isolated likely over north coastal Tamil Nadu, Puducherry & Karaikal.

6th March – Light to moderate rainfall/thundershower at few places with heavy rainfall at isolated places 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.

7th March: Light to moderate rainfall/thundershower 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.

(ii) Wind warning

- Squally winds speed reaching 50-60 kmph gusting to 70 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 6th morning. The wind speed would decrease gradually becoming 45-55 kmph gusting to 65 kmph over the same region from 6th morning onwards and would further decrease becoming 40-50 kmph gusting to 60 kmph over the same region from 6th evening onwards. It will further reduce becoming 30-40kmph gusting to 50 kmph over the same region from 7th March morning onwards and decrease thereafter.

(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 till 7th March morning.

(iv) Fishermen Warning (Graphics enclosed)

- Fishermen are advised not to venture into Southwest & adjoining Westcentral Bay of Bengal, Gulf of Mannar, Comorin area and along & off Tamil Nadu, Puducherry and south Andhra Pradesh coasts till 7th March morning.

(v) EXPECTED IMPACT & ACTION SUGGESTED due to heavy to very heavy rain over coastal 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 kutchha 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 0230 hrs IST of the 06th March, 2022.

(DR RK JENAMANI)

Scientist-F, RSMC, New Delhi

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

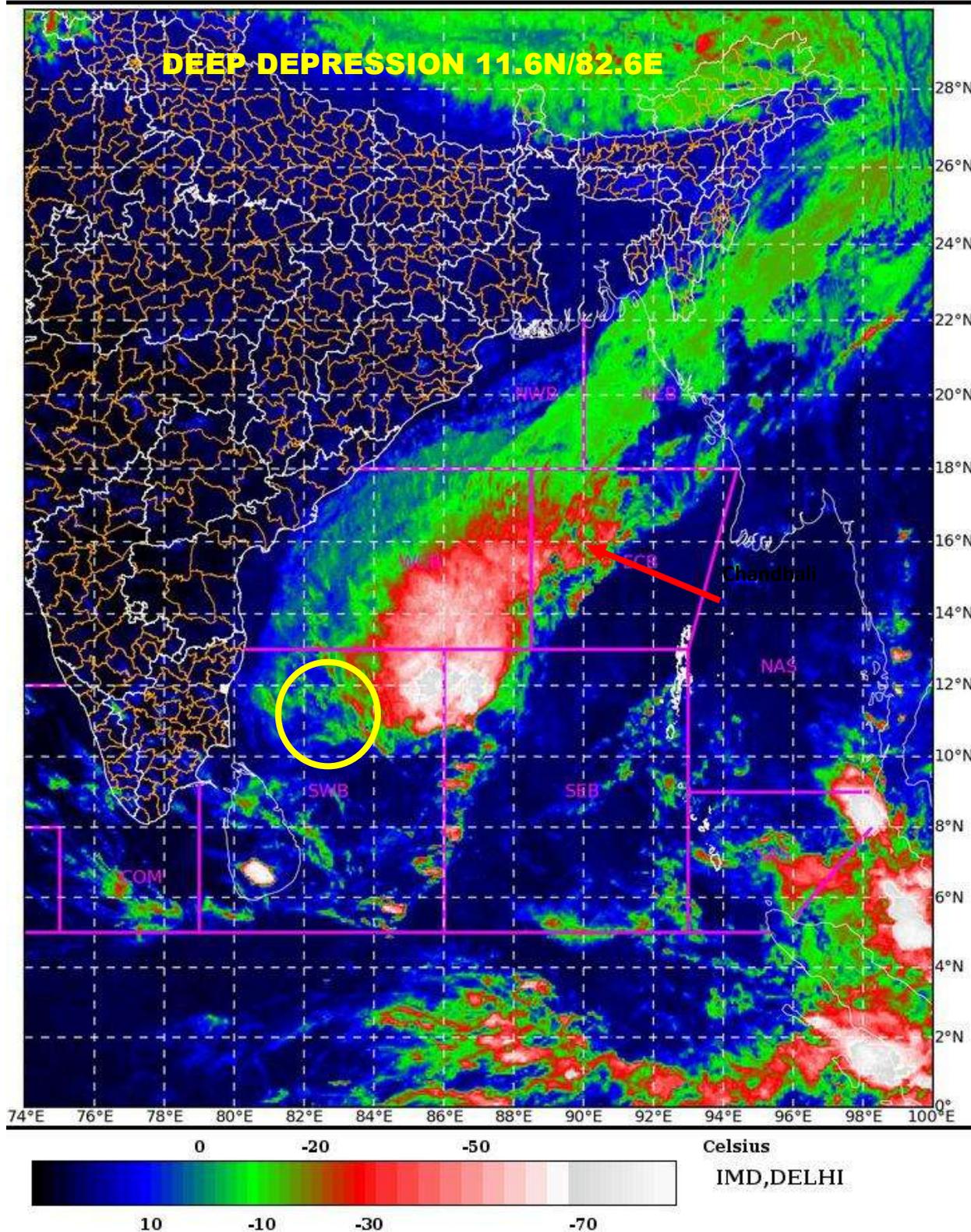
SAT : INSAT-3D IMG

05-03-2022/(1200 to 1226) GMT

IMG_TIR1_TEMP 10.8 um

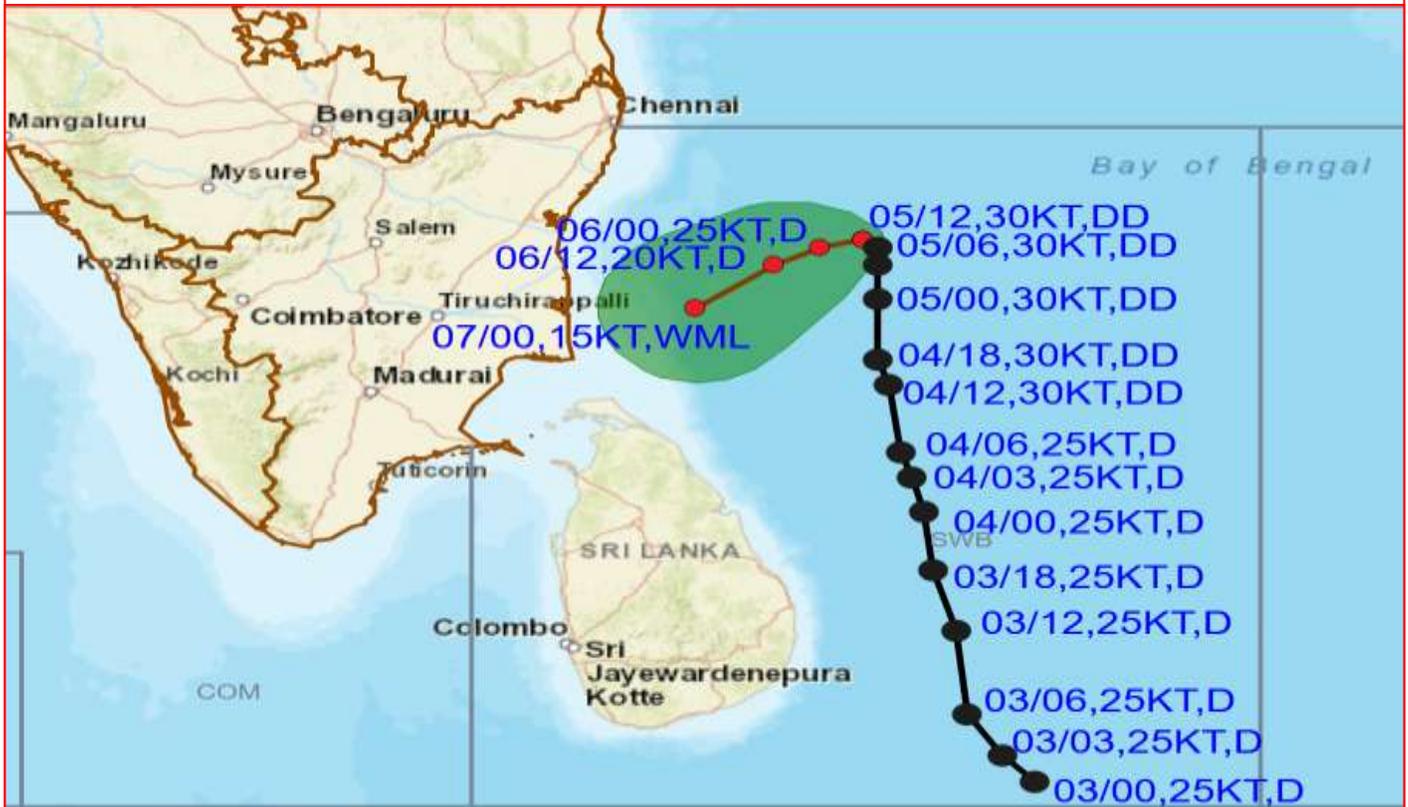
05-03-2022/(1730 to 1756) IST

L1C Mercator





OBSERVED AND FORECAST TRACK ALONGWITH CONE OF UNCERTAINTY OF DEEP DEPRESSION OVER SOUTHWEST BAY OF BENGAL BASED ON 1200 UTC OF 5th 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	
	05.03.22/1200	06.03.22/1200
TRINCOMALEE	370,NNE	320,N
NAGAPATTINAM	310,ENE	210,ENE
PUDUCHERRY	290,E	210,ESE
CHENNAI	270,SE	300,SSE

Forecast distance (km) and direction of the centre of system from nearest 5 coastal stations					
Forecast Date/Time	Station 1	Station 2	Station 3	Station 4	Station 5
05.03.22/1200	Pudupattina m (270,ESE)	Ennore (280,SE)	Minambakkam (290,ESE)	Kalapet (290,E)	Kottakuppam (290,E)
06.03.22/0000	Ennore (230,SE)	Minambakka m (250,SE)	Kalapet (250,E)	Kottakuppam (250,E)	Puducherry (250,E)
06.03.22/1200	Minambakka m (210,SE)	Kalapet (210,ESE)	Kottakuppam (210,ESE)	Puducherry (210,ESE)	Nungambakkam (210,SE)
07.03.22/0000	Kalapet (130,SE)	Kottakuppam (130,SE)	Puducherry (130,SE)	Nungambakka m (130,SSE)	Kattupalli (140,SSE)

N:NORTH, NNE:NORTH-NORTHEAST, NE:NORTHEAST, ENE:EAST-NORTHEAST, E:EAST, 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



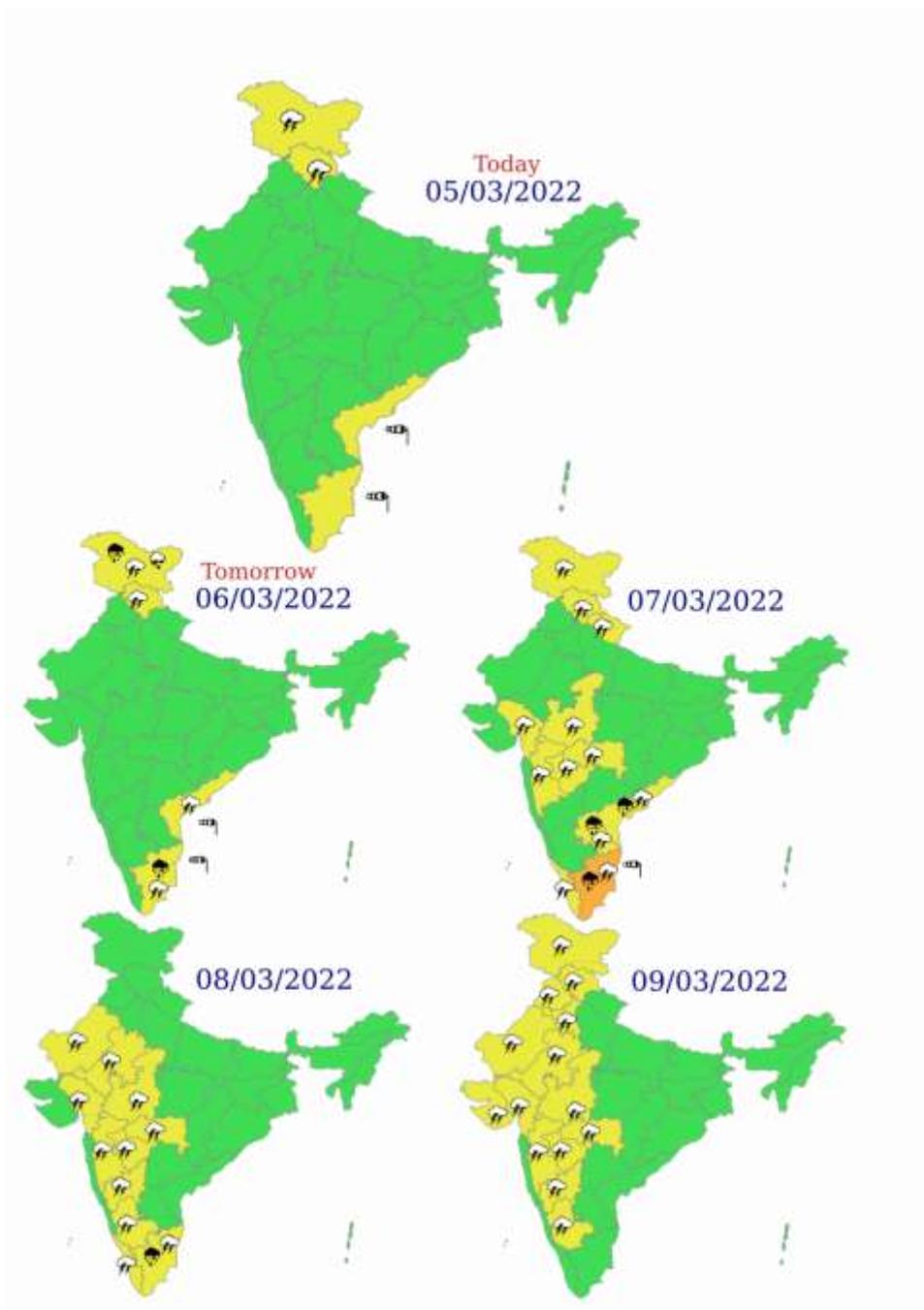
OBSERVED AND FORECAST TRACK ALONGWITH QUADRANT WIND DISTRIBUTION OF DEEP DEPRESSION OVER SOUTHWEST BAY OF BENGAL BASED ON 1200 UTC OF 5th MARCH, 2022



<p>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)</p>	<ul style="list-style-type: none"> ● 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)
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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



WARNING

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

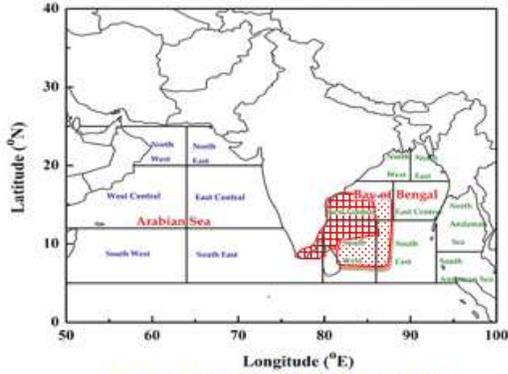
 Heavy Rain

 Strong Winds

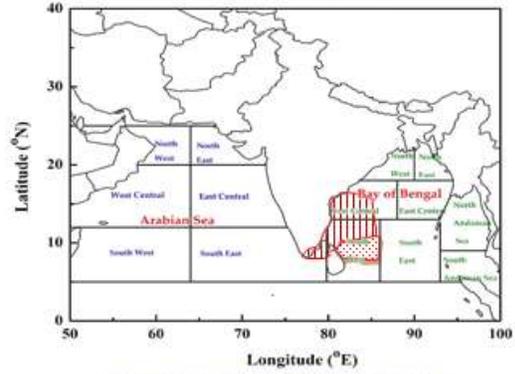
Fishermen Warning for North Indian Ocean

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

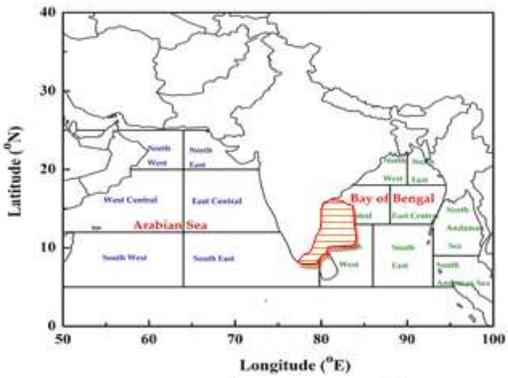
DAY-1: 05.03.2022/0600 UTC TO 06.03.2022/0600 UTC



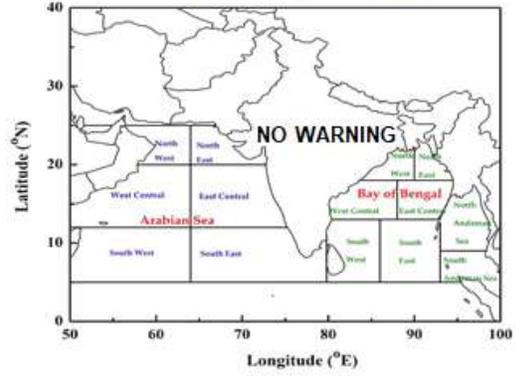
DAY-2: 06.03.2022/0600 UTC TO 07.03.2022 /0600 UTC



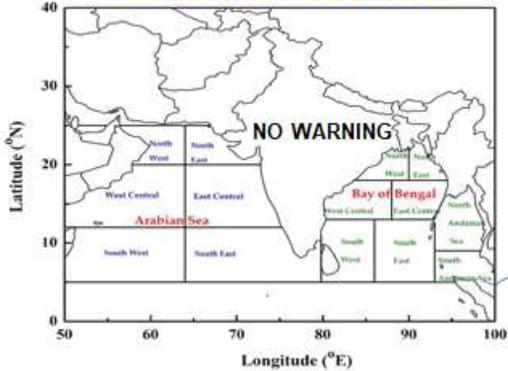
DAY-3 : 07.03.2022/0600 UTC TO 08.03.2022/0600 UTC



DAY-4 08.03.2022/0600 UTC TO 09.03.2022/0600 UTC



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



AREA UNDER FISHERMEN WARNING

- 35-45 KMPH GUSTING TO 55 KMPH (STRONG WIND)
- 40-50 KMPH GUSTING TO 60 KMPH (STRONG WIND)
- 45-55 KMPH GUSTING TO 65 KMPH
- 50-60 KMPH GUSTING TO 80 KMPH
- 55-65 KMPH GUSTING TO 75 KMPH