



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

**BULLETIN NO. : 11 (BOB/01/2022)**

**TIME OF ISSUE: 0845 HOURS IST**

**DATED: 05.03.2022**

**FROM: INDIA METEOROLOGICAL DEPARTMENT (FAX NO. 24643965/24699216/24623220)**  
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**Sub: Deep Depression over southwest Bay of Bengal**

The Deep Depression over southwest Bay of Bengal moved northwards with a speed of about 13kmph during last 06 hours and lay centered at 0530 hrs IST of 5<sup>th</sup> March 2022, over the same region near latitude 11.0°N and longitude 82.6°E, about 310 km north-northeast of Trincomalee (Sri Lanka), 300km east-northeast of Nagappattinam (Tamil Nadu), 320 km east-southeast of Puducherry (Tamil Nadu) and about 390 km southeast of Chennai (Tamil Nadu).

It is likely to move northwestwards till 5<sup>th</sup> March evening and then west-southwestwards towards north Tamil Nadu Coast during subsequent 36 hours.

Forecast track and intensity are given in the following table:

<b>Date/Time(IST)</b>	<b>Forecast Lead Period</b>	<b>Position (Lat. °N/ long. °E)</b>	<b>Maximum sustained surface wind speed (kmph)</b>	<b>Category of cyclonic disturbance</b>
05.03.22/0530	00	11/82.6	55-65 gusting to 75	Deep Depression
05.03.22/1730	12	11.5/82.4	55-65 gusting to 75	Deep Depression
06.03.22/0530	24	11.4/81.9	55-65 gusting to 75	Deep Depression
06.03.22/1730	36	11.0/81.3	45-55 gusting to 65	Depression
07.03.22/0530	48	10.7/80.8	35-45 gusting to 55	Depression

## **Warnings:**

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

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

**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 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 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.

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

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

- Squally winds speed reaching 55-65 kmph gusting to 75 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 5<sup>th</sup> evening. The winds would decrease gradually becoming 50-60 kmph gusting to 70 kmph over the same region during 6<sup>th</sup> morning and becoming 45-55 kmph gusting to 65 kmph over the same region by evening of 6<sup>th</sup> March. It will further reduce becoming 35-45kmph gusting to 55kmph over the same region during 7<sup>th</sup> March.

### **(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 7<sup>th</sup> March morning.

### **(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 7<sup>th</sup> March morning.

### **(v) EXPECTED IMPACT & ACTION SUGGESTED due to very heavy rain over coastal 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.

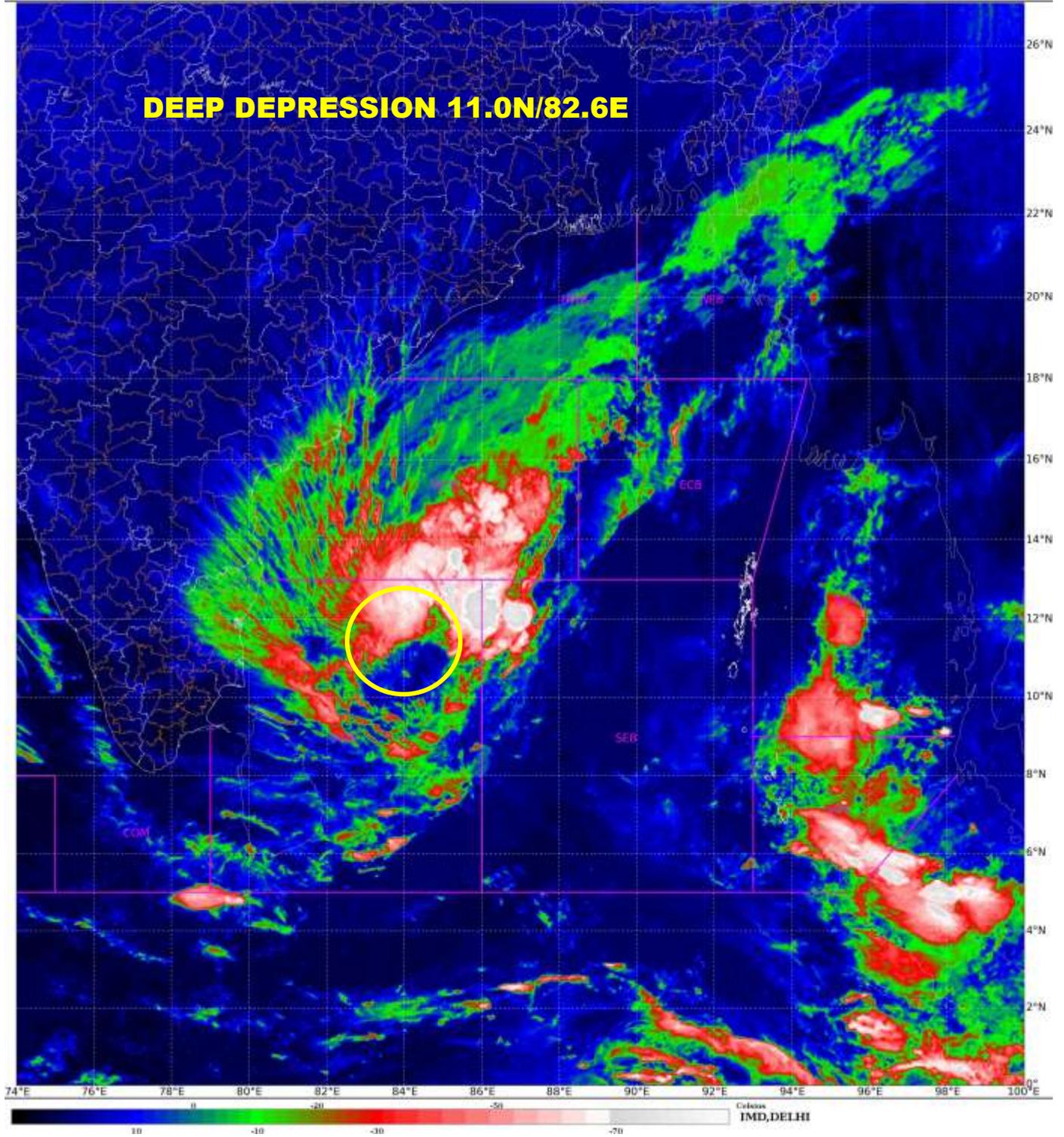
**B. Action Suggested**

- 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 1130 hrs IST of today, the 05<sup>th</sup> March, 2022.*

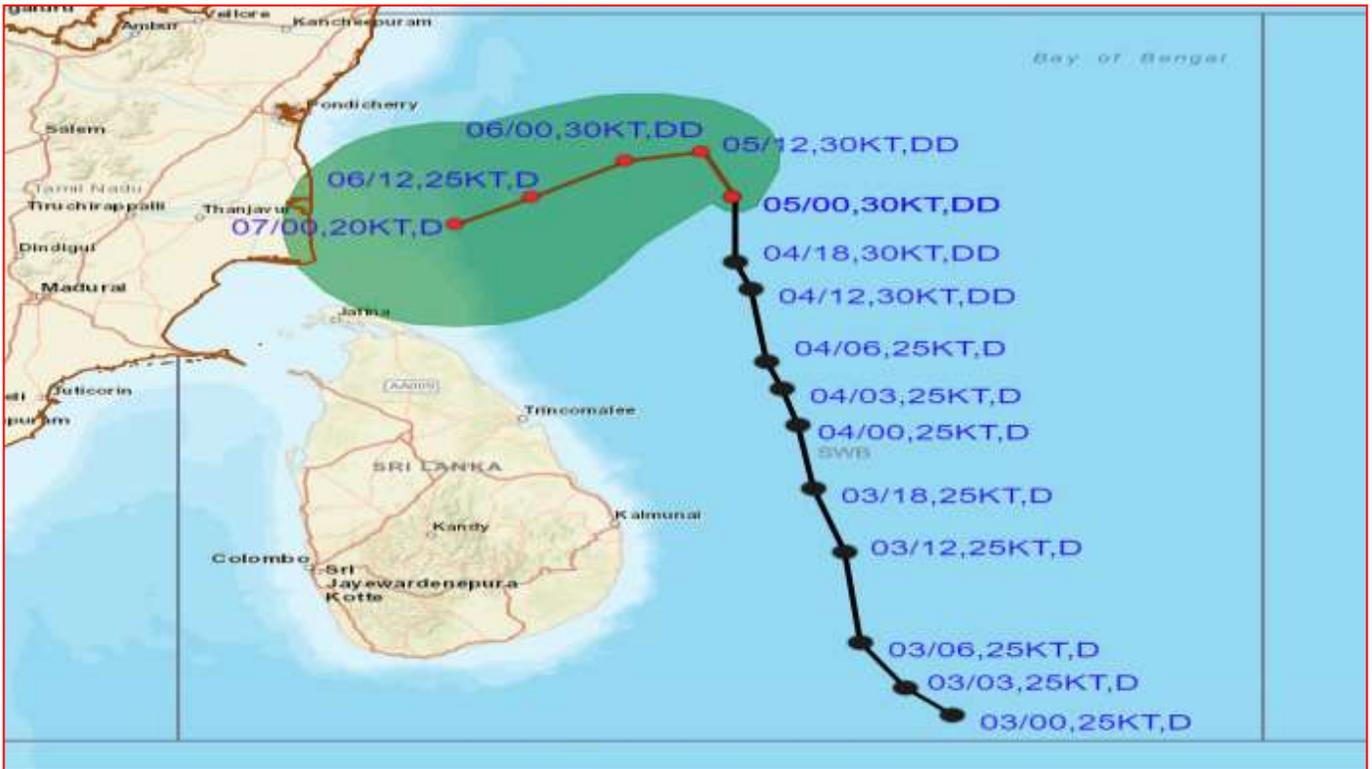
**(Shashi Kant)**  
**Scientist-C, RSMC, New Delhi**

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





**OBSERVED AND FORECAST TRACK ALONGWITH CONE OF UNCERTAINTY OF DEEP DEPRESSION OVER SOUTHWEST BAY OF BENGAL BASED ON 0000 UTC OF 5<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

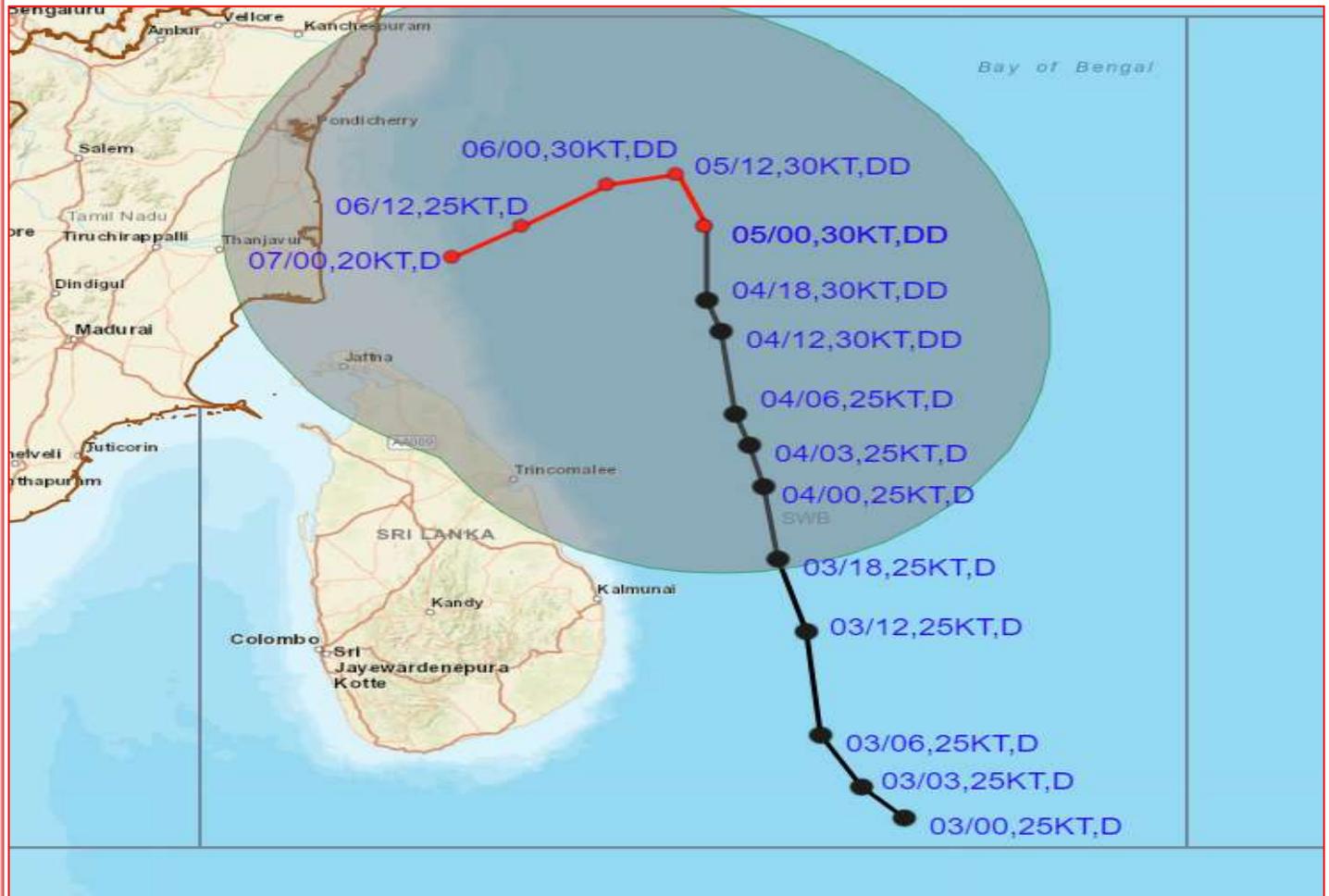
STATIONS	DISTANCE(KM) AND DIRECTION FROM STATIONS		
	05.03.22/0000	06.03.22/0000	07.03.22/0000
TRINCOMALEE	310,NNE	320,NNE	240,NNW
NAGAPATTINAM	300,E	230,ENE	100,E
PUDUCHERRY	320,ESE	240,ESE	180,SE
CHENNAI	390,SE	310,SE	330,S

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

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
05.03.22/0000	Tharangamdi (300,E)	Nagapattinam (300,E)	Karaikal (300,E)	Velankanni (300,E)	Trincomalee (310,NNE)
05.03.22/1200	Nagapattinam (270,ENE)	Karaikal (280,ENE)	Velankanni (280,ENE)	Trincomalee (280,NNE)	Kankasanturai (290,NE)
06.03.22/0000	Karaikal (230,ENE)	Velankanni (230,ENE)	Trincomalee (230,NNE)	Kankasanturai (230,NE)	Vedaranyam (230,ENE)
06.03.22/1200	Velankanni (160,ENE)	Trincomalee (160,N)	Kankasanturai (160,NE)	Vedaranyam (160,ENE)	Parangipettai (170,ESE)
07.03.22/0000	Trincomalee (100,NNW)	Kankasanturai (110,NE)	Vedaranyam (110,ENE)	Parangipettai (110,SE)	Pudupattinam (110,SSE)



## OBSERVED AND FORECAST TRACK ALONGWITH QUADRANT WIND DISTRIBUTION OF DEEP DEPRESSION OVER SOUTHWEST BAY OF BENGAL BASED ON 0000 UTC OF 5<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)

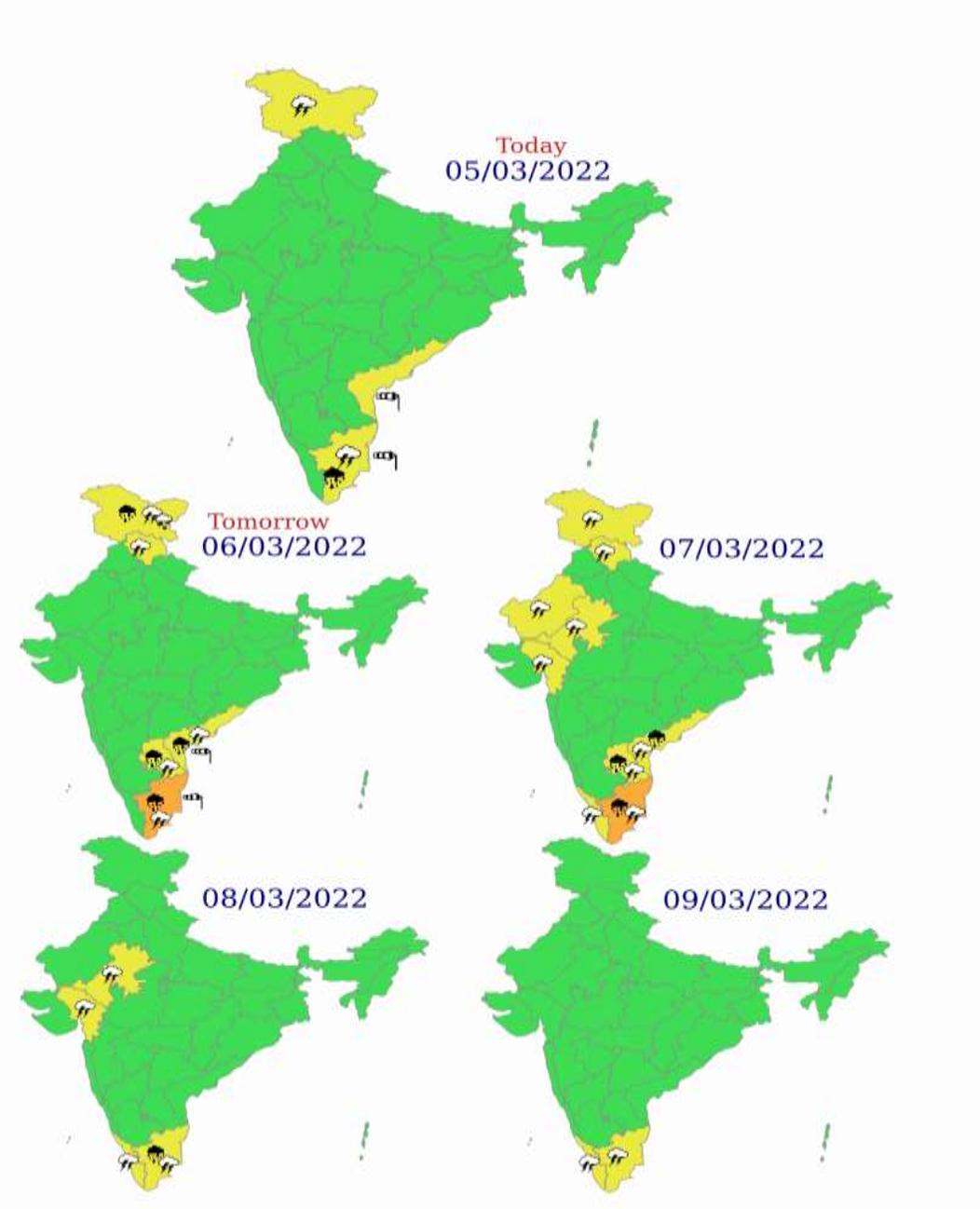
SuCS: SUPER CYCLONIC STORM (≥ 120 KT)

- 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



**WARNING**

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

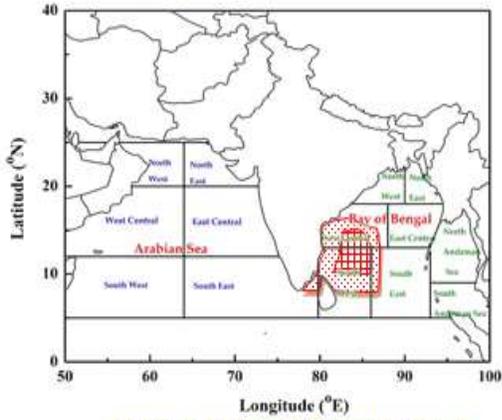
 Heavy Rain

 Strong Winds

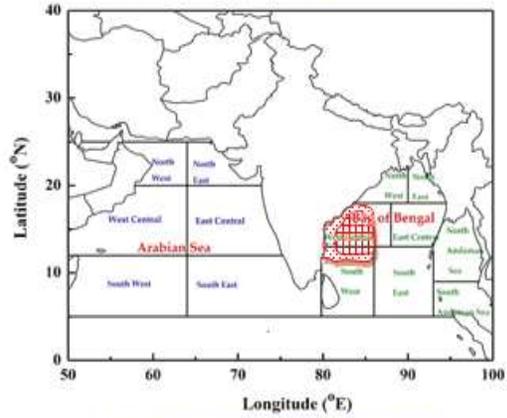
# Fishermen Warning for North Indian Ocean

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

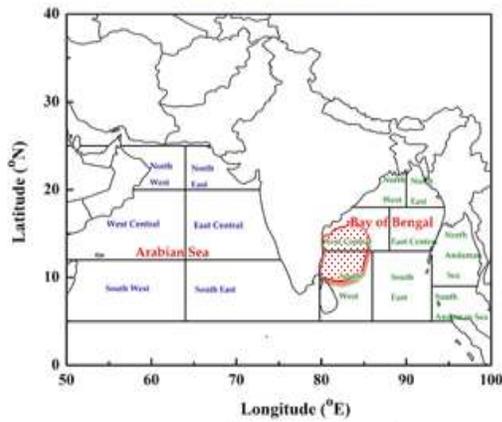
DAY-1: 04.03.2022/0600 UTC TO 05.03.2022/0600 UTC



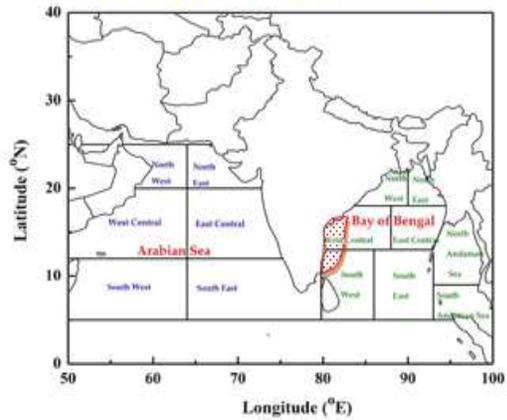
DAY-2: 05.03.2022/0600 UTC TO 06.03.2022 /0600 UTC



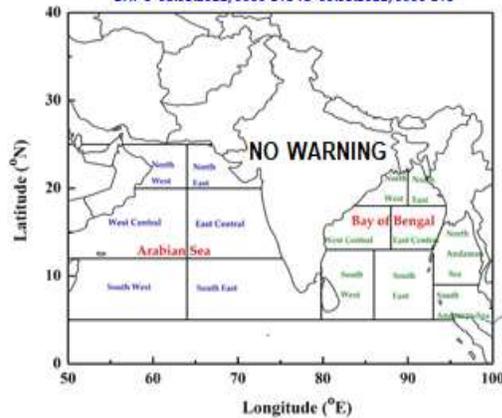
DAY-3 : 06.03.2022/0600 UTC TO 07.03.2022/0600 UTC



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
-  55-65 KMPH GUSTING TO 75 KMPH