



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

**BULLETIN NO. : 12 (BOB/01/2022)**

**TIME OF ISSUE: 1130 HOURS IST**

**DATED: 05.03.2022**

**FROM: INDIA METEOROLOGICAL DEPARTMENT (FAX NO. 24643965/24699216/24623220)**  
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**CONTROL ROOM NDMA (FAX.NO. 26701729)**  
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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 14 kmph during last 06 hours and lay centered at 0830 hrs IST of 5<sup>th</sup> March 2022, over the same region near latitude 11.4°N and longitude 82.6°E, about 350 km north-northeast of Trincomalee (Sri Lanka), 310km east-northeast of Nagappattinam (Tamil Nadu), 300 km east-southeast of Puducherry (Tamil Nadu) and about 300 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> |
|-----------------------|-----------------------------|-------------------------------------|--|---|
| 05.03.22/0830         | 00                          | 11.4/82.6                           | 55-65 gusting to 75                                | Deep Depression                         |
| 05.03.22/1730         | 12                          | 11.8/82.4                           | 55-65 gusting to 75                                | Deep Depression                         |
| 06.03.22/0530         | 24                          | 11.6/81.8                           | 50-60 gusting to 70                                | Deep Depression                         |
| 06.03.22/1730         | 36                          | 11.3/81.3                           | 45-55 gusting to 65                                | Depression                              |
| 07.03.22/0530         | 48                          | 10.8/80.6                           | 35-45 gusting to 55                                | Depression                              |

**Warnings:**

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

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

**6<sup>th</sup> 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.

**7<sup>th</sup> 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 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 wind speed would decrease gradually becoming 50-60 kmph gusting to 70 kmph over the same region from 6<sup>th</sup> morning and becoming 45-55 kmph gusting to 65 kmph over the same region from 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, 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 heavy 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 1430 hrs IST of today, the 05<sup>th</sup> March, 2022.*

**(M. Sharma)**

**Scientist-D, RSMC, New Delhi**

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

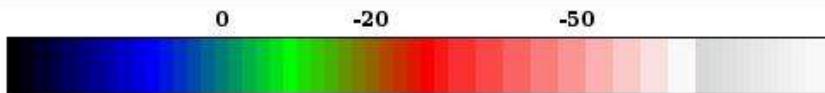
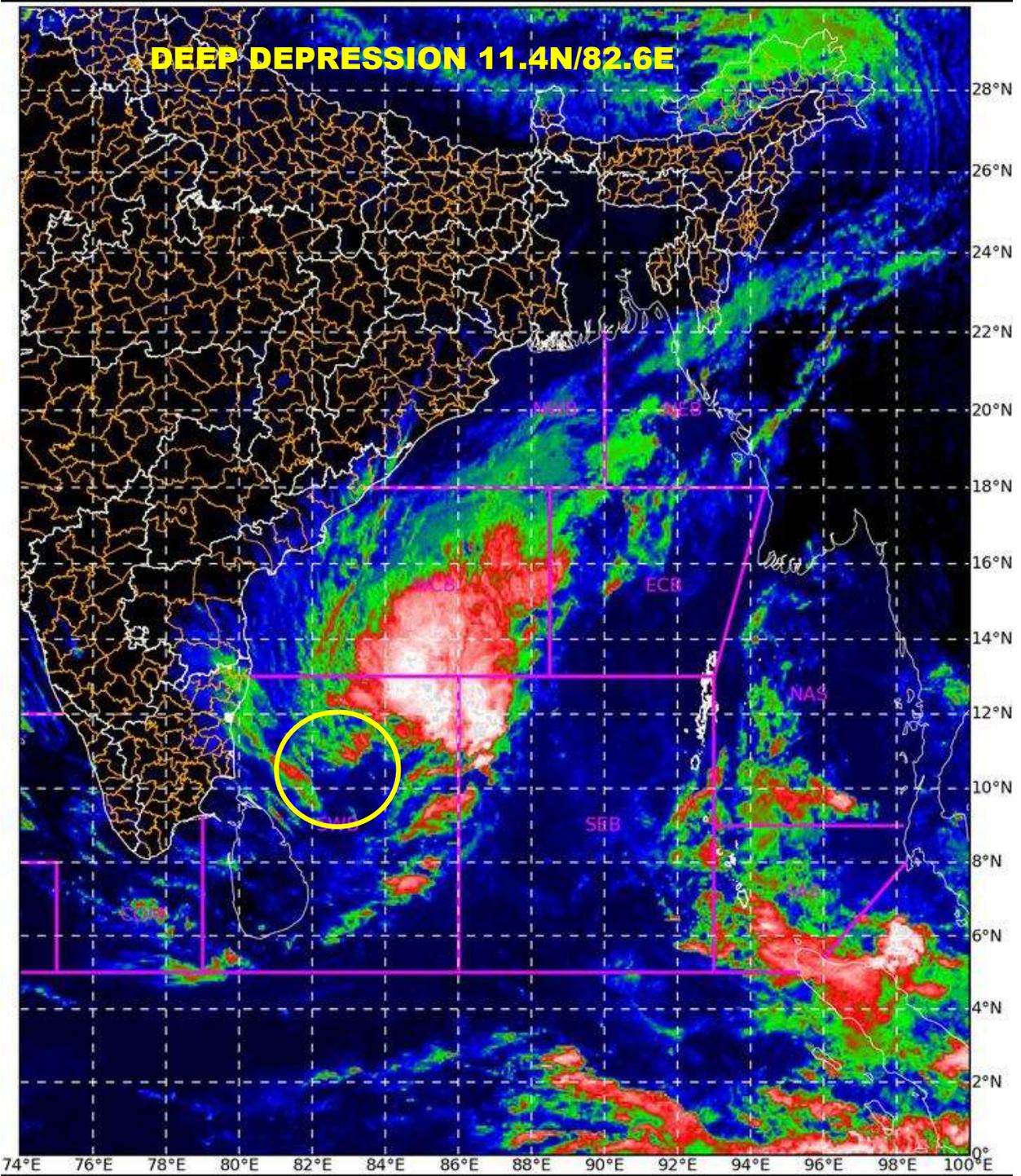
SAT : INSAT-3D IMG

05-03-2022/(0530 to 0557) GMT

IMG\_TIR1\_TEMP 10.8 um

05-03-2022/(1100 to 1127) IST

L1C Mercator



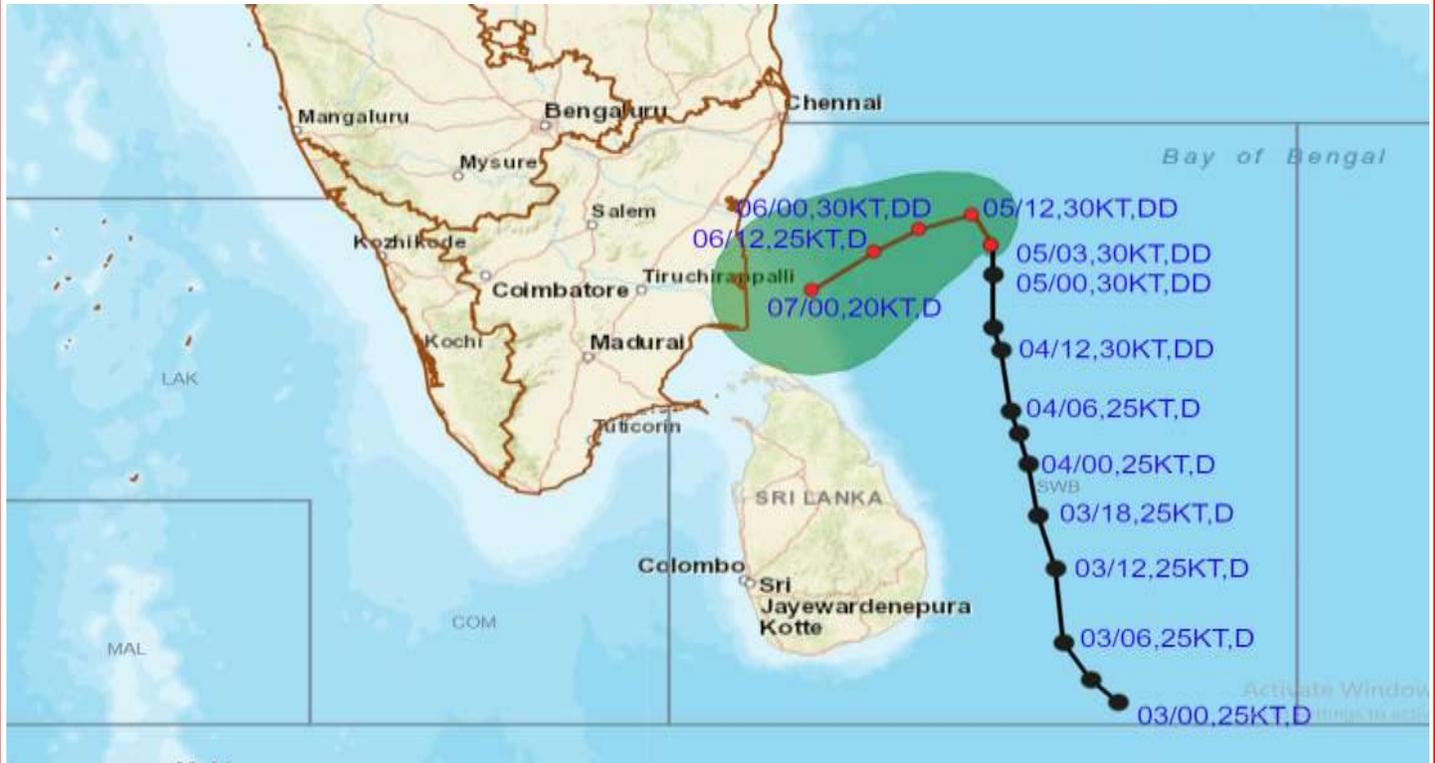
Celsius

IMD, DELHI

10 -10 -30 -70



**OBSERVED AND FORECAST TRACK ALONGWITH CONE OF UNCERTAINTY OF DEEP DEPRESSION OVER SOUTHWEST BAY OF BENGAL BASED ON 0300 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 |               |               |
|--------------|--|---------------|---------------|
|              | 05.03.22/0300                            | 06.03.22/0000 | 07.03.22/0000 |
| TRINCOMALEE  | 350,NNE                                  | 340,N         | 260,NNW       |
| NAGAPATTINAM | 310,ENE                                  | 230,ENE       | 80,E          |
| PUDUCHERRY   | 300,ESE                                  | 220,E         | 160,SSE       |
| CHENNAI      | 300,SE                                   | 230,SE        | 250,S         |

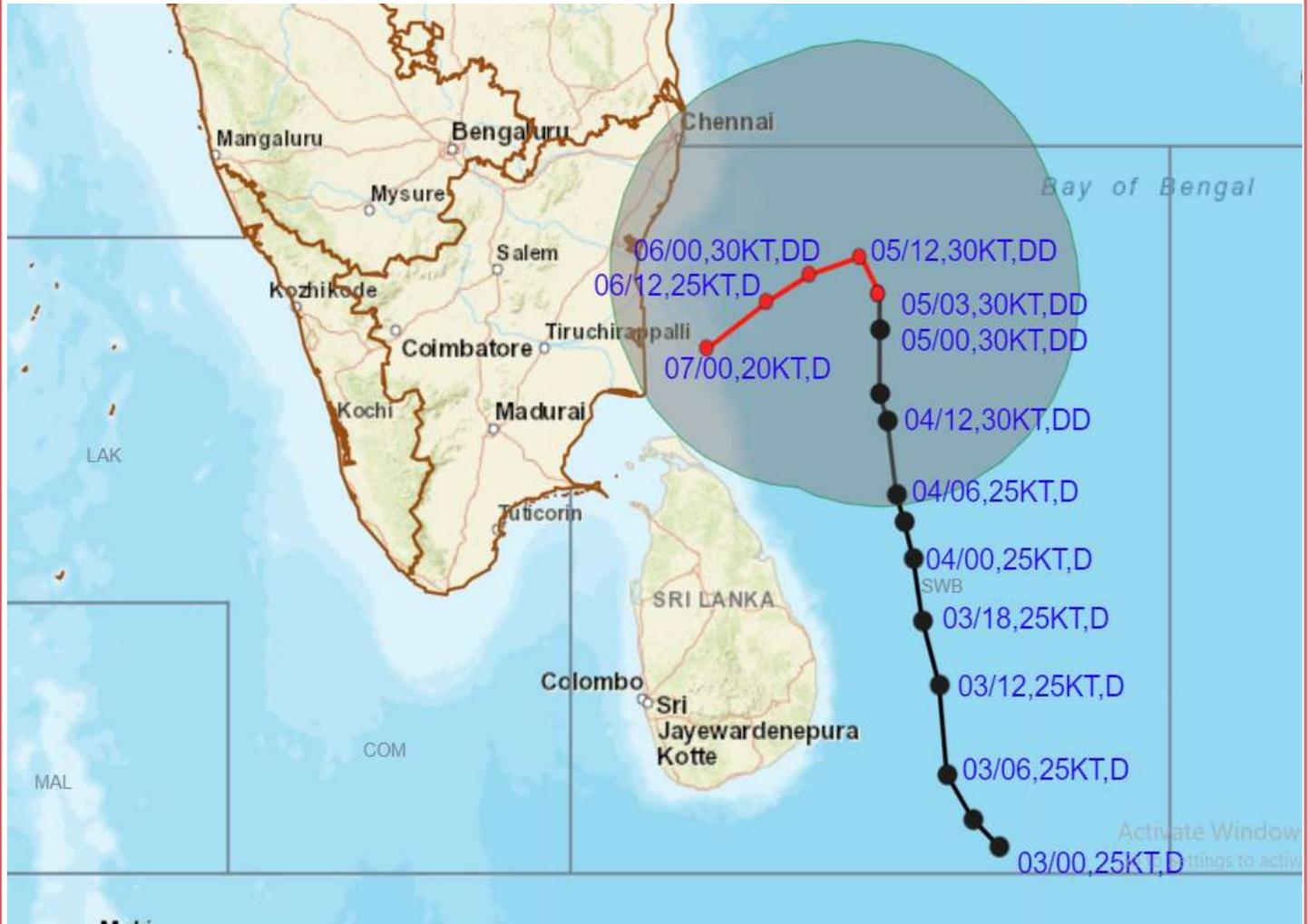
N:NORTH, NNE:NORTH-NORTHEAST, NE:NORTHEAST, ENE:EAST-NORTHEAST, E:EAST, SE:SOUTHEAST, SSE:SOUTH-SOUTHEAST, S:SOUTH, SSW:SOUTH-SOUTHWEST, SW:SOUTHWEST, WSW:WEST-SOUTHWEST, W:WEST, WNW:WEST-NORTHWEST, NW:NORTHWEST, NNW:NORTH-NORTHWEST

**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              |
|--------------------|--------------------------|------------------------|------------------------|------------------------|------------------------|
| 05.03.22/0300      | Pudupattina m (290,ESE)  | Tharangamba di (300,E) | Karaikal (310,E)       | Kalapet (310,ESE)      | Kottakuppam (310,ESE)  |
| 05.03.22/1200      | Tharangamba di (260,ENE) | Karaikal (270,ENE)     | Kalapet (270,E)        | Kottakuppam (280,E)    | Nagapattinam (280,ENE) |
| 06.03.22/0000      | Karaikal (210,ENE)       | Kalapet (220,ESE)      | Kottakuppam (220,E)    | Nagapattinam (220,ENE) | Parangipettai (220,E)  |
| 06.03.22/1200      | Kalapet (160,ESE)        | Kottakuppam (170,ESE)  | Nagapattinam (170,ENE) | Parangipettai (170,E)  | Puducherry (170,ESE)   |
| 07.03.22/0000      | Kottakuppam (80,SSE)     | Nagapattinam (80,E)    | Parangipettai (80,SE)  | Puducherry (90,SSE)    | Cuddalore (100,SE)     |



**OBSERVED AND FORECAST TRACK ALONGWITH QUADRANT WIND DISTRIBUTION OF DEEP DEPRESSION OVER SOUTHWEST BAY OF BENGAL BASED ON 0300 UTC OF 5<sup>th</sup> MARCH, 2022**



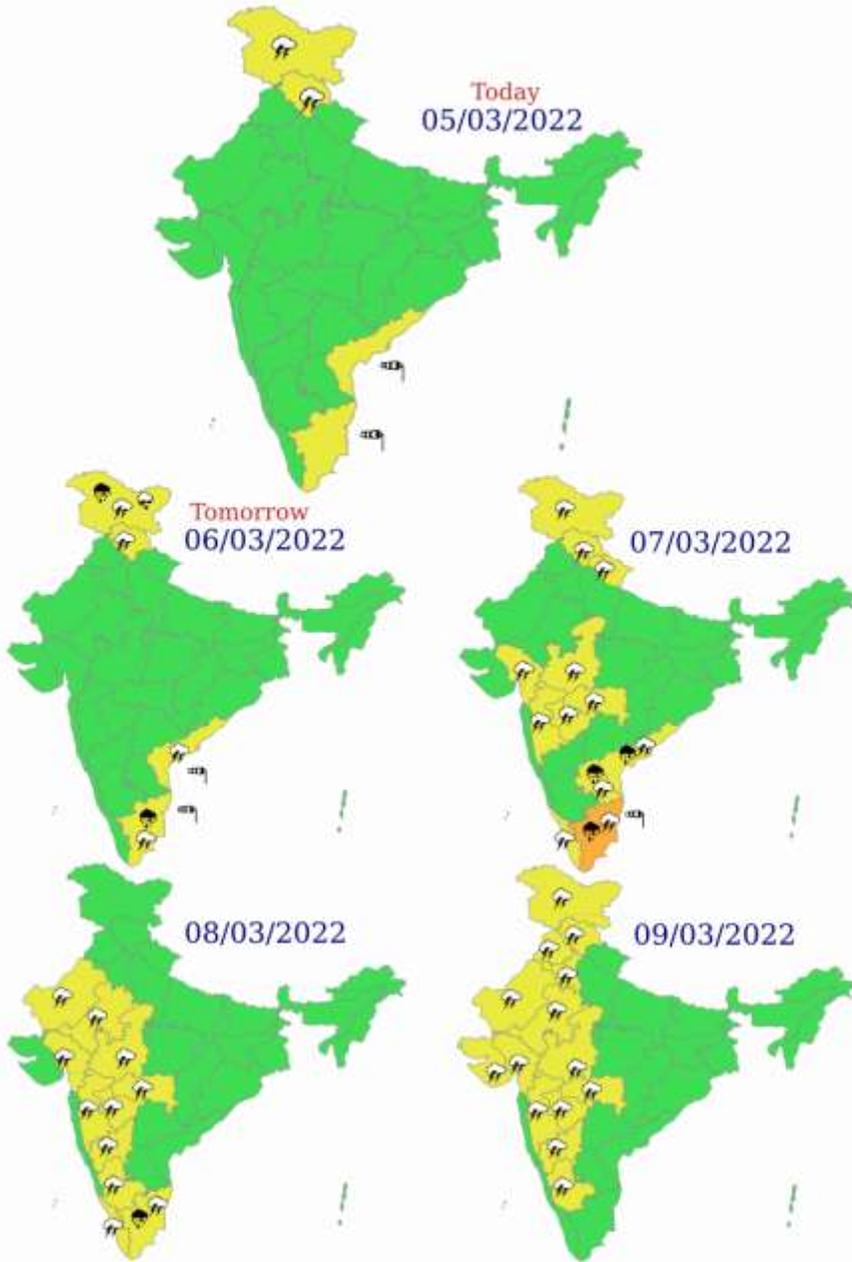
DATE/TIME IN UTC  
 IST=UTC + 0530  
 L: LOW PRESSURE AREA  
 WML: WELL MARKED LOW PRESSURE AREA  
 D: DEPRESSION (17-27 KT)  
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 SuCS: SUPER CYCLONIC STORM (≥ 120 KT)

● 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



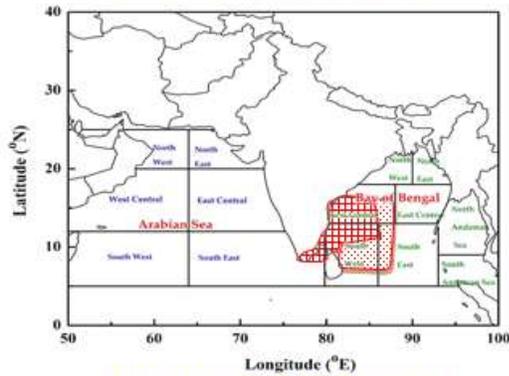
|                         |
|-------------------------|
| <b>WARNING</b>          |
| WARNING (TAKE ACTION)   |
| ALERT ( BE PREPARED)    |
| WATCH (BE UPDATED)      |
| NO WARNING ( NO ACTION) |

|   |              |
|---|--------------|
|  | Heavy Rain   |
|  | Strong Winds |

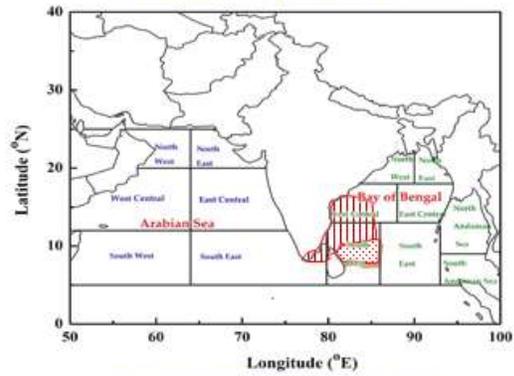
# Fishermen Warning for North Indian Ocean

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

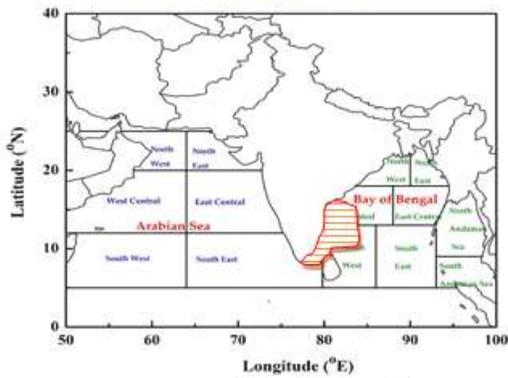
DAY-1: 05.03.2022/0600 UTC TO 06.03.2022/0600 UTC



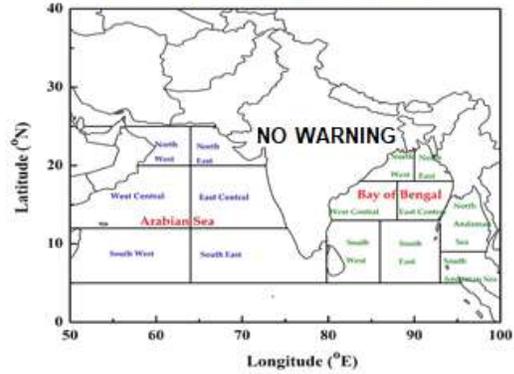
DAY-2: 06.03.2022/0600 UTC TO 07.03.2022 /0600 UTC



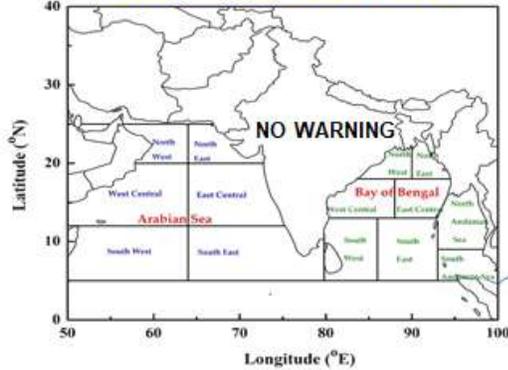
DAY-3: 07.03.2022/0600 UTC TO 08.03.2022/0600 UTC



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