



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

BULLETIN NO. : 03 (BOB/01/2022)

TIME OF ISSUE: 1400 HOURS IST

DATED: 03.03.2022

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 and adjoining Equatorial Indian Ocean moved north-northwestwards with a speed of about 18 kmph during last 06 hours and lay centered at 1130 hrs IST of today, the 3rd March 2022, over southwest Bay of Bengal near latitude 6.1°N and longitude 83.4°E, about 360 km south-southeast of Trincomalee (Sri Lanka), 700 km south-southeast of Nagappattinam (Tamil Nadu), 760 km south-southeast of Puducherry (Tamil Nadu) and about 840 km south-southeast of Chennai (Tamil Nadu).

It is likely to intensify further into a Deep Depression during next 24 hours. It is likely to move northwestwards along and 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
03.03.22/1130	6.1/83.4	45-55 gusting to 65	Depression
03.03.22/2330	7.4/82.6	45-55 gusting to 65	Depression
04.03.22/1130	8.8/81.8	50-60 gusting to 70	Deep Depression
04.03.22/2330	10.2/81.8	50-60 gusting to 70	Deep Depression
05.03.22/1130	11.6/80.4	50-60 gusting to 70	Deep Depression

Warnings:

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

3rd March– Light to moderate rainfall/thunder shower at a few places likely over coastal Tamil Nadu, Puducherry & Karaikal.

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

5th & 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.

(ii) **Wind warning**

- **3rd March:** Squally winds speed reaching 45-55 kmph gusting to 65 kmph are very likely to prevail over Southwest & adjoining Westcentral Bay of Bengal, Gulf of Mannar and along & off Tamil Nadu, Puducherry coasts. Squally winds speed reaching 40-50 kmph gusting to 60 kmph are very likely over Equatorial Indian Ocean.
- **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 3rd – 6th March. Sea condition will be rough to very rough over adjoining Equatorial Indian Ocean on 3rd 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 heavy/very heavy rain over Tamil Nadu, Puducherry & Karaikal and adjoining areas of south coastal Andhra Pradesh and Rayalaseema during 4th - 6th 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 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 3rd March, 2022.

(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

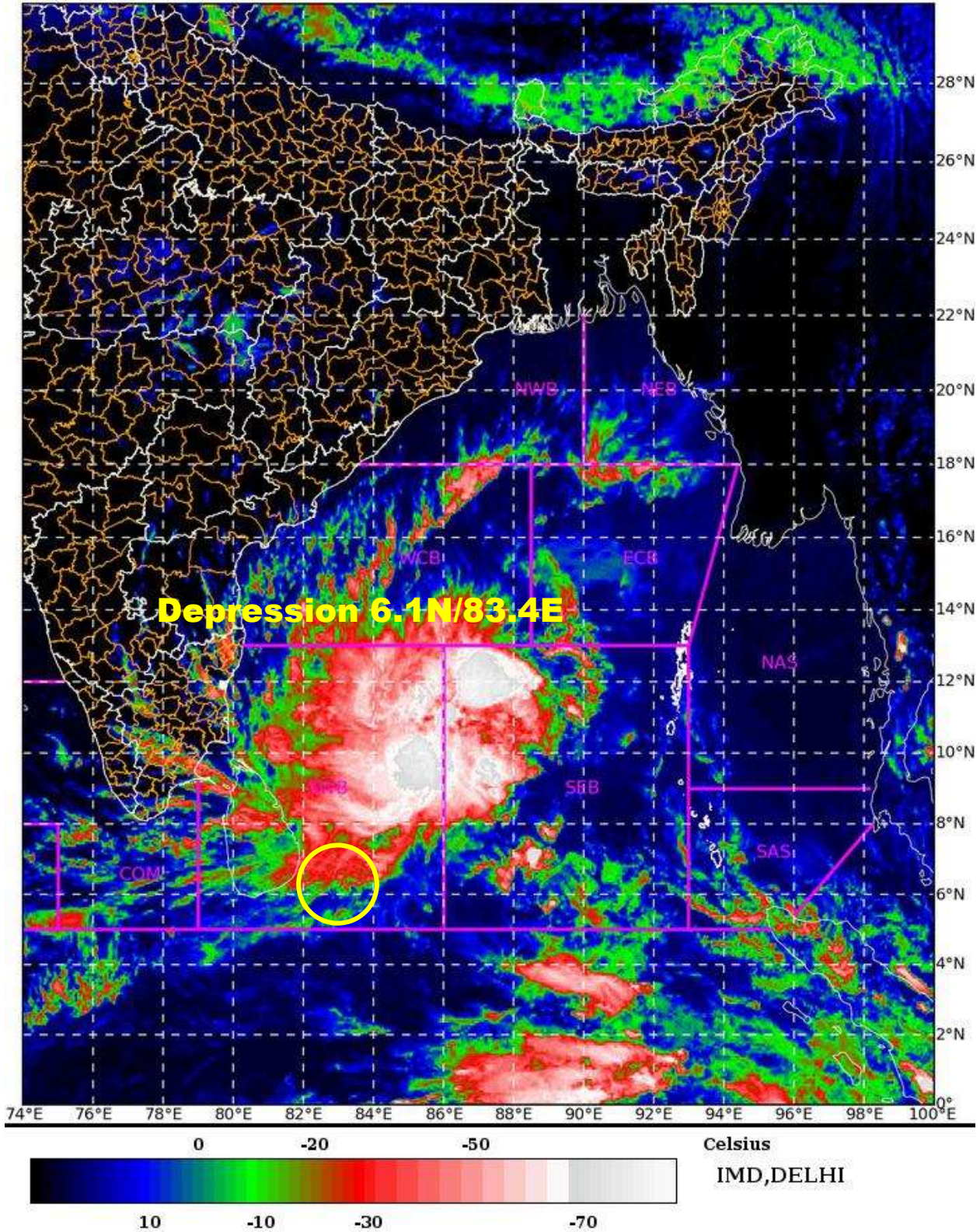
03-03-2022/(0730 to 0757) GMT

IMG_TIR1_TEMP 10.8 um

03-03-2022/(1300 to 1327) IST

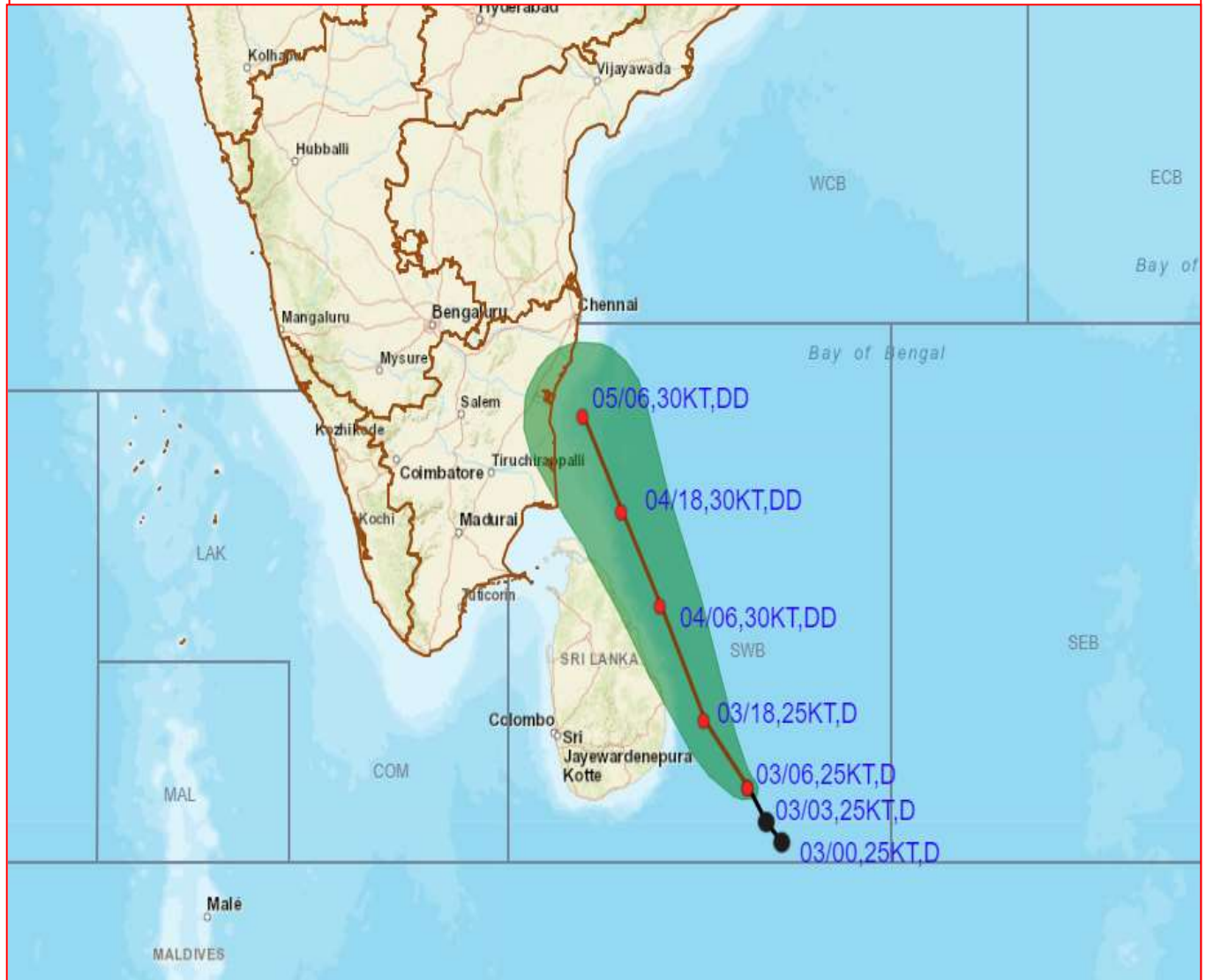


L1C Mercator





OBSERVED AND FORECAST TRACK ALONGWITH CONE OF UNCERTAINTY OF DEPRESSION OVER SOUTHWEST BAY OF BENGAL BASED ON 0600 UTC OF 3RD MARCH, 2022

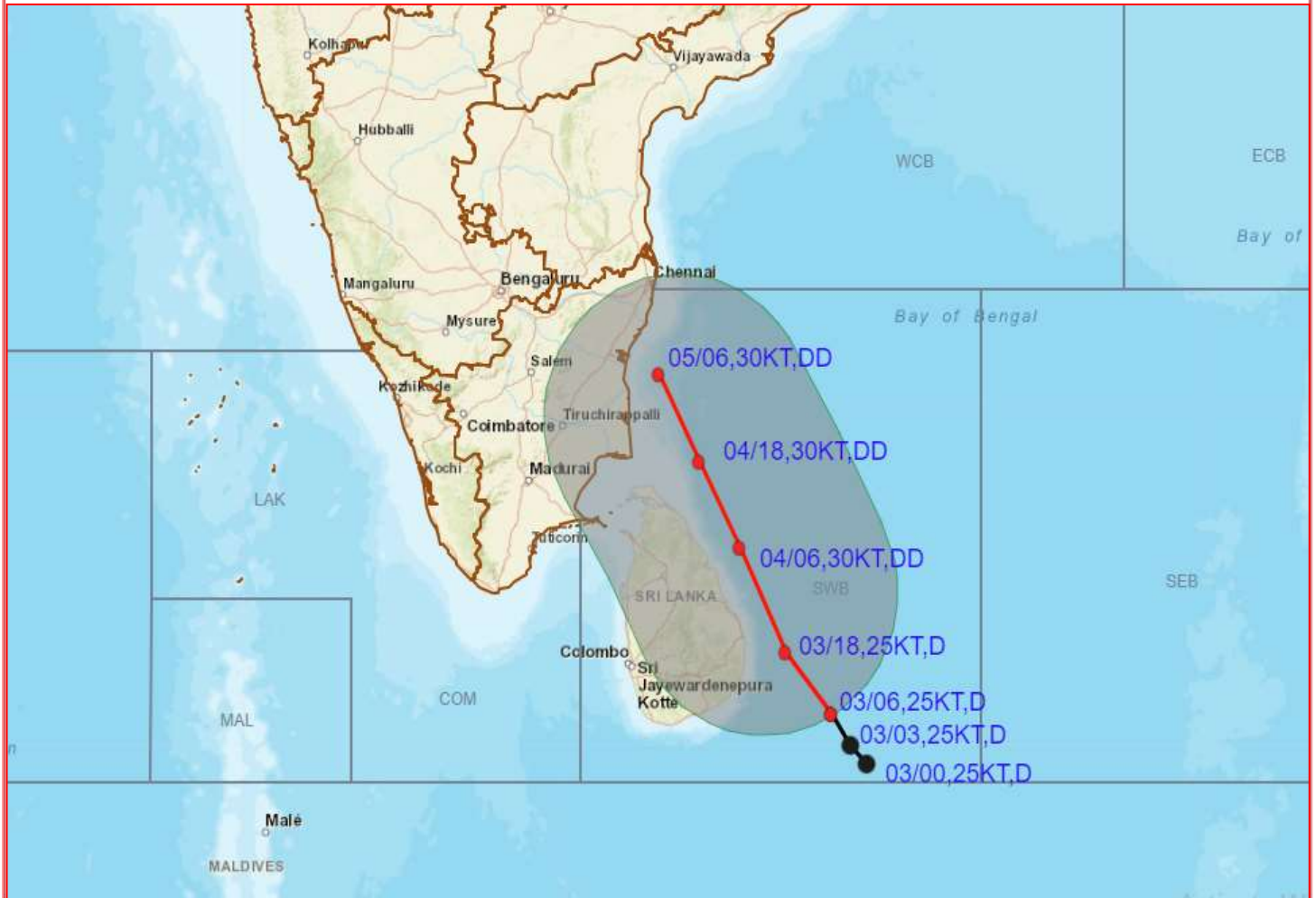


DATE/TIME IN UTC
 IST=UTC + 0530
 L: LOW PRESSURE AREA
 WML: WELL MARKED LOW PRESSURE AREA
 D: DEPRESSION (17-27 KT)
 DD: DEEP DEPRESSION (28-33 KT)
 CS: CYCLONIC STORM (34-47 KT)
 SCS: SEVERE CYCLONIC STORM (48-63KT)
 VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)
 ESCS: EXTREMELY SEVERE CYCLONIC STORM (90-119 KT)
 SuCS: SUPER CYCLONIC STORM (\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 0600 UTC OF 3RD MARCH, 2022



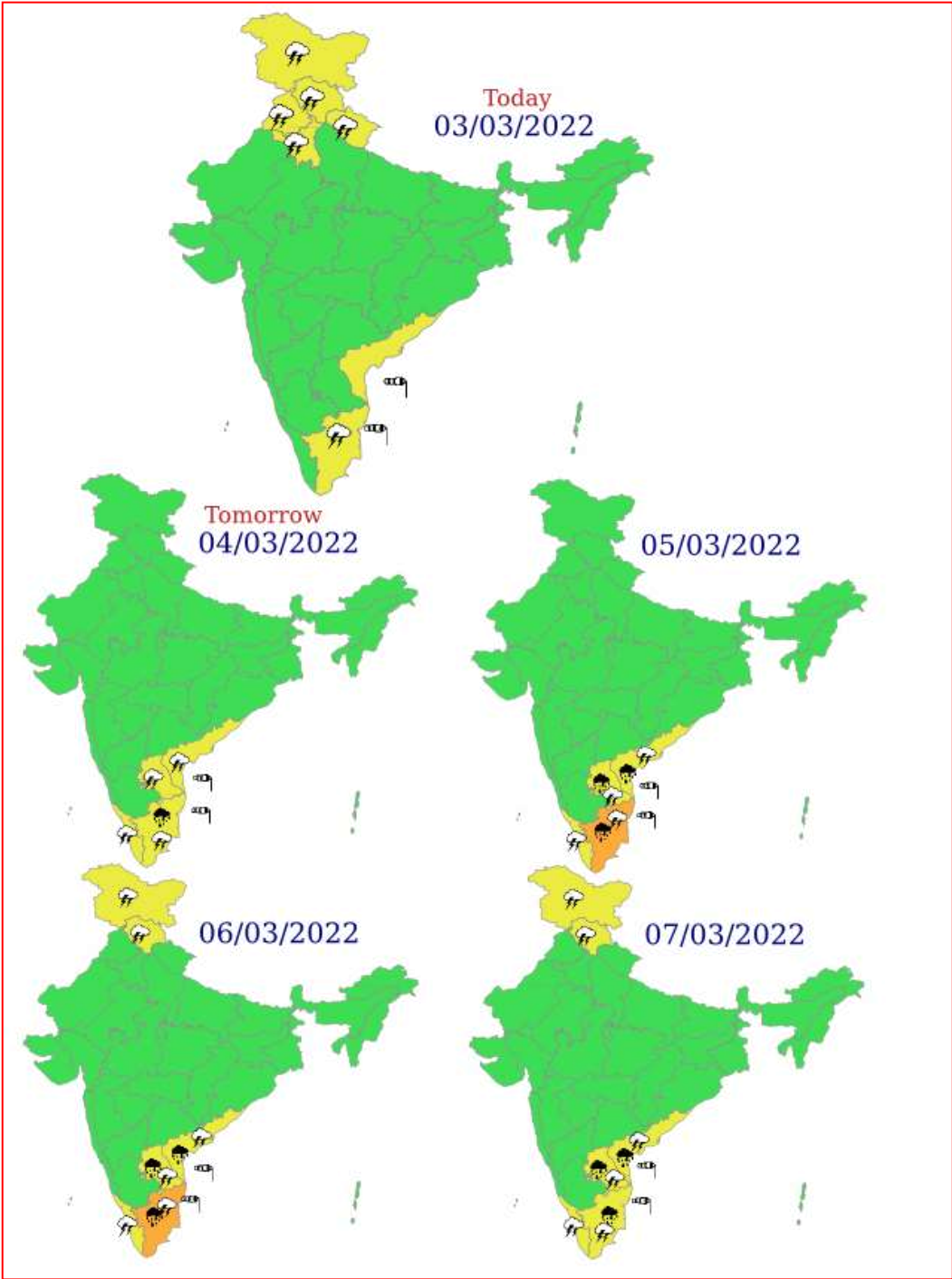
DATE/TIME IN UTC
 IST=UTC + 0530
 L: LOW PRESSURE AREA
 WML: WELL MARKED LOW PRESSURE AREA
 D: DEPRESSION (17-27 KT)
 DD: DEEP DEPRESSION (28-33 KT)
 CS: CYCLONIC STORM (34-47 KT)
 SCS: SEVERE CYCLONIC STORM (48-63KT)
 VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)
 ESCS: EXTREMELY SEVERE CYCLONIC STORM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

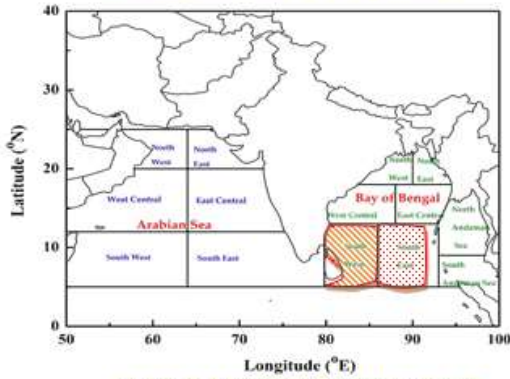
 Heavy Rain

 Strong Winds

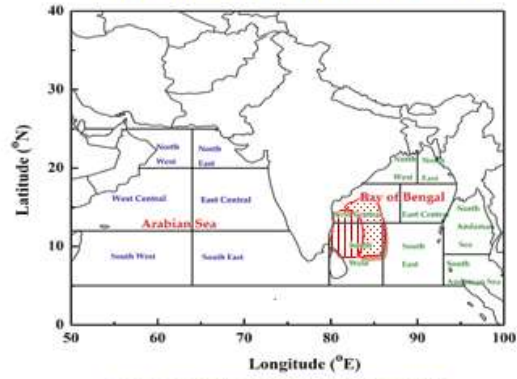
Fishermen Warning for North Indian Ocean

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

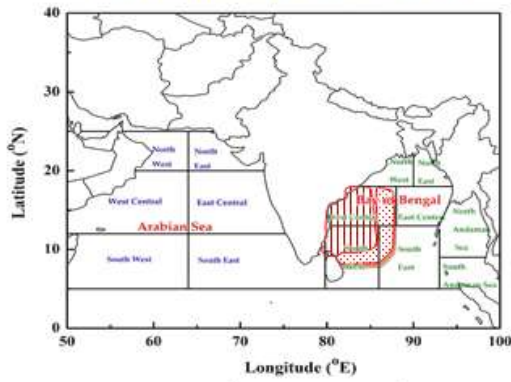
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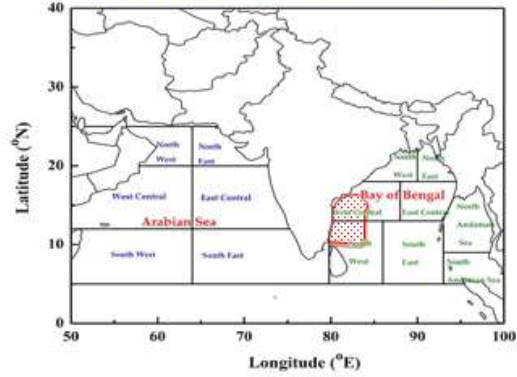
DAY-2: 04.03.2022/0600 UTC TO 05.03.2022/0600 UTC



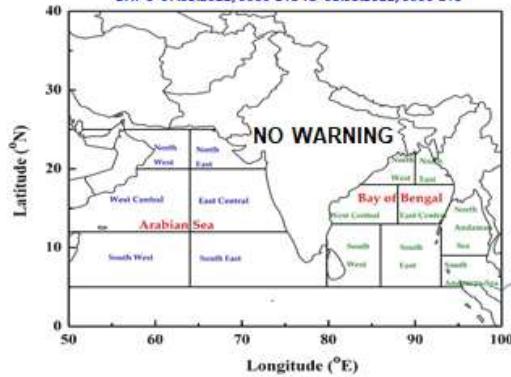
DAY-3: 05.03.2022/0600 UTC TO 06.03.2022/0600 UTC










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
-  80-90 KMPH GUSTING TO 95 KMPH
-  90-100 KMPH GUSTING TO 110 KMPH