



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

BULLETIN NO. : 09 (BOB/01/2022)

TIME OF ISSUE: 2000 HOURS IST

DATED: 04.03.2022

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

The Depression over southwest Bay of Bengal moved nearly northwards with a speed of about 15 kmph during last 06 hours, intensified into a deep depression and lay centered at 1730 hrs IST of today, the 4th March 2022, over the same region near latitude 10.0°N and longitude 82.7°E, about 220 km northeast of Trincomalee (Sri Lanka), 320km east-southeast of Nagappattinam (Tamil Nadu), 380 km east-southeast of Puducherry (Tamil Nadu) and about 420 km south-southeast of Chennai (Tamil Nadu).

It is likely to move northwestwards off east coast of Sri Lanka till 5th March morning and then move west-northwestwards towards north Tamil Nadu Coast during subsequent 36 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
04.03.22/1730	00	10.0 /82.7	50-60 gusting to 70	Deep Depression
05.03.22/0530	12	10.6/82.4	55-65 gusting to 75	Deep Depression
05.03.22/1730	24	10.9/81.9	55-65 gusting to 75	Deep Depression
06.03.22/0530	36	11.0/81.5	50-60 gusting to 70	Deep Depression
06.03.22/1730	48	11.0/81.1	45-55 gusting to 65	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 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 4th midnight. Thereafter, the winds would gradually increase becoming 55-65 kmph gusting to 75 kmph over the same region till 5th evening. The winds would decrease gradually becoming 50-60 kmph gusting to 70 kmph over the same region till 6th early morning.

➤ **6th March:** Squally winds speed reaching 45-55 kmph gusting to 65 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 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.

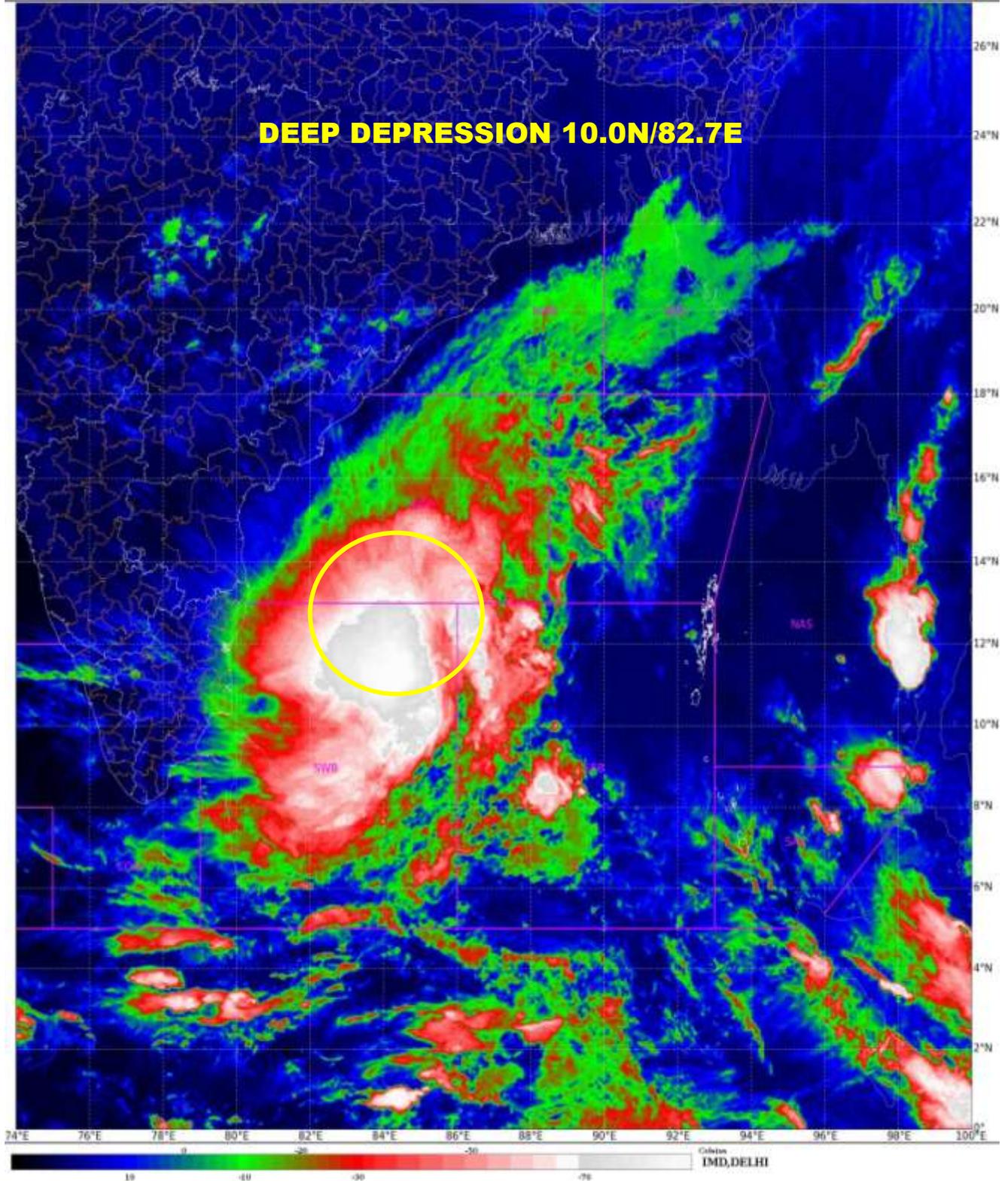
The next bulletin will be issued at 0230 hrs IST of today, the 05th March, 2022.

(A.K. Das)
Scientist-E, RSMC, New Delhi

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

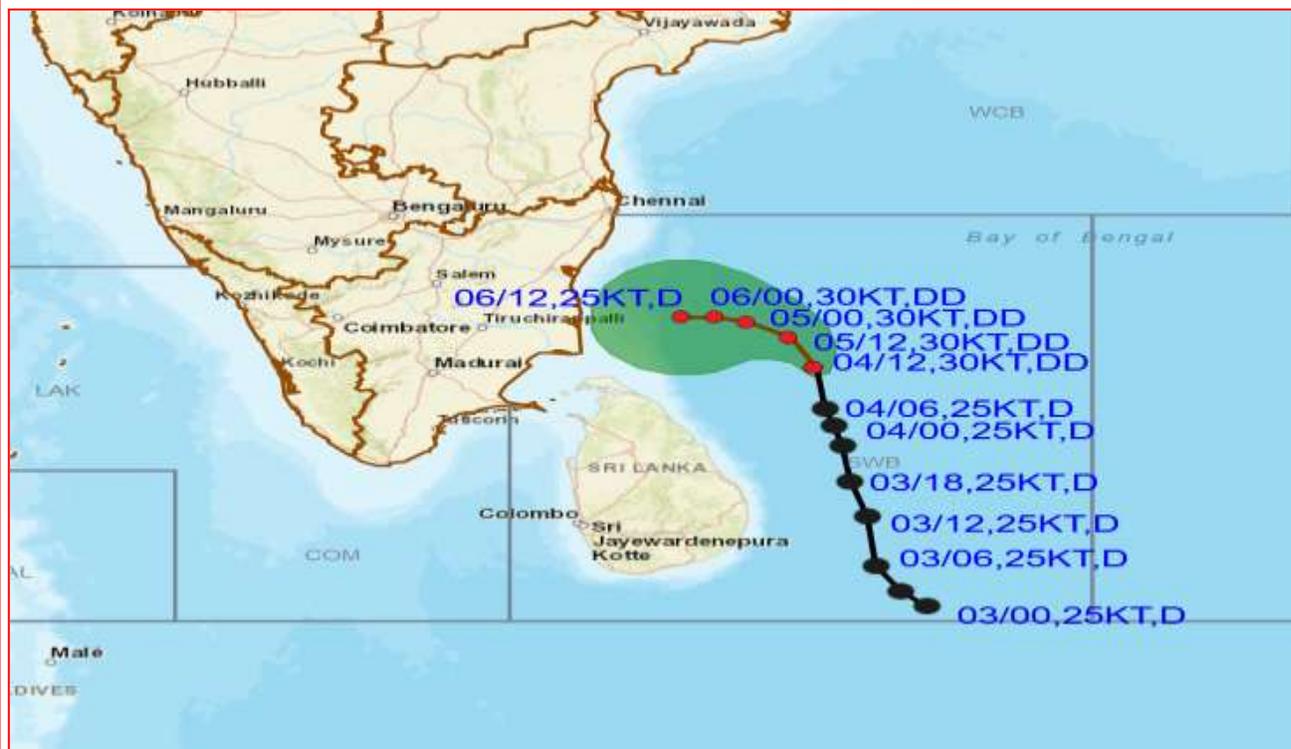


DEEP DEPRESSION 10.0N/82.7E





OBSERVED AND FORECAST TRACK ALONGWITH CONE OF UNCERTAINTY OF DEPRESSION OVER SOUTHWEST BAY OF BENGAL BASED ON 1200 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

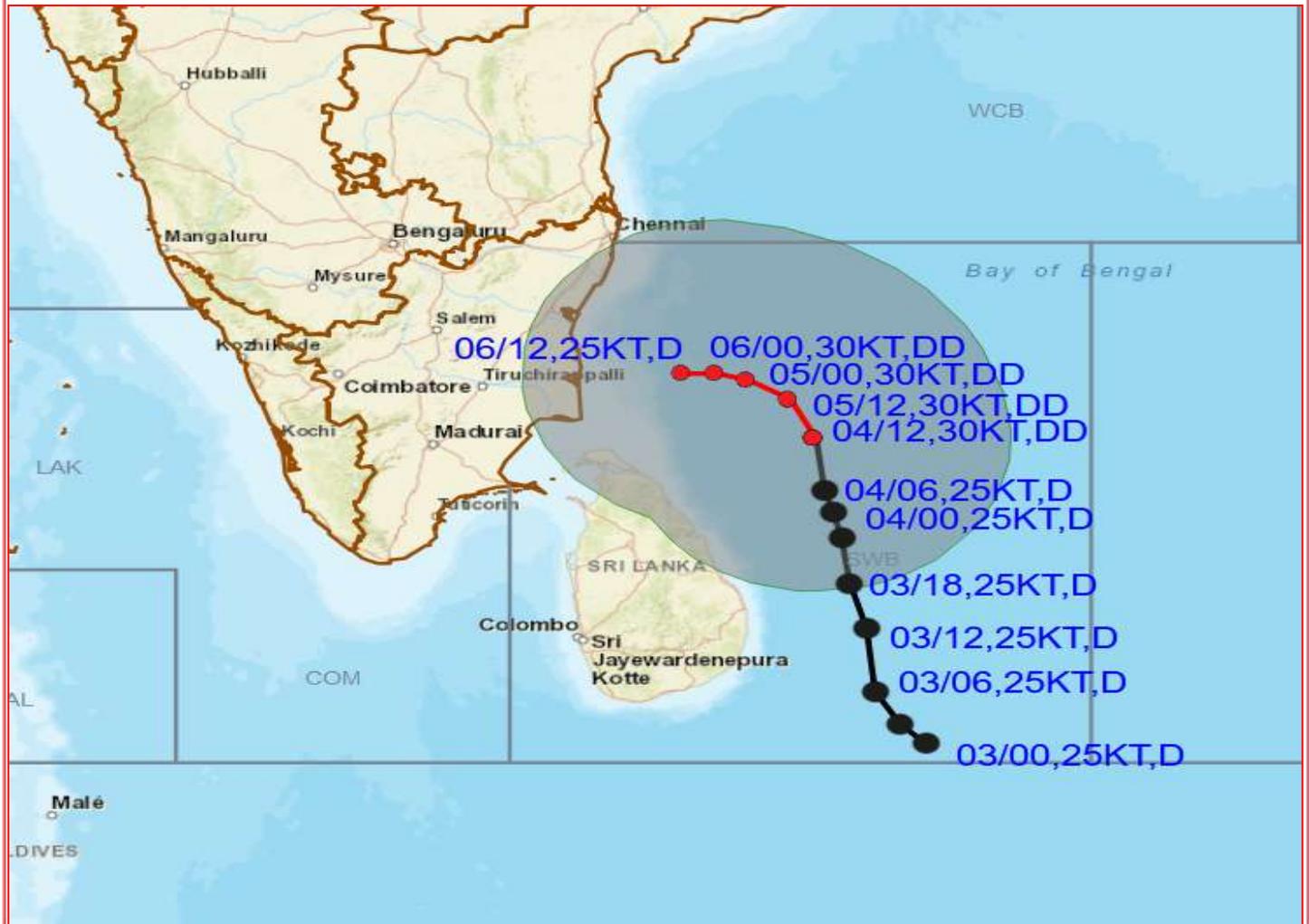
STATIONS	DISTANCE(KM) AND DIRECTION FROM STATIONS		
	04.03.22/1200	05.03.22/1200	06.03.22/1200
TRINCOMALEE	220,NE	270,NNE	270,N
NAGAPATTINAM	320,ESE	220,E	140,E
PUDUCHERRY	380,SE	260,ESE	180,SE
CHENNAI	420,SSE	360,SSE	310,SSE

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
04.03.22/1200	Trincomalee (220,NE)	Batticaloa (280,NNE)	Kankasanturai (290,E)	Vedaranyam (310,E)	Velankanni (320,ESE)
05.03.22/0000	Batticaloa (260,NNE)	Kankasanturai (270,ENE)	Vedaranyam (280,E)	Velankanni (280,E)	Nagapattinam (280,E)
05.03.22/1200	Kankasanturai (220,ENE)	Vedaranyam (220,ENE)	Velankanni (230,E)	Nagapattinam (230,E)	Mannar (230,NE)
06.03.22/0000	Vedaranyam (180,ENE)	Velankanni (180,ENE)	Nagapattinam (180,E)	Mannar (180,NE)	Karaikal (190,E)
06.03.22/1200	Velankanni (140,ENE)	Nagapattinam (140,E)	Mannar (140,NNE)	Karaikal (140,E)	Tharangambadi (150,E)

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 DEPRESSION OVER SOUTHWEST BAY OF BENGAL BASED ON 1200 UTC OF 4th MARCH, 2022



DATE/TIME IN UTC
 IST=UTC + 0530
 L: LOW PRESSURE AREA
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- LESS THAN 34 KT
- 34-47 KT
- ◐ ≥ 48 KT
- OBSERVED TRACK
- FORECAST TRACK
- ◊ CONE OF UNCERTAINTY

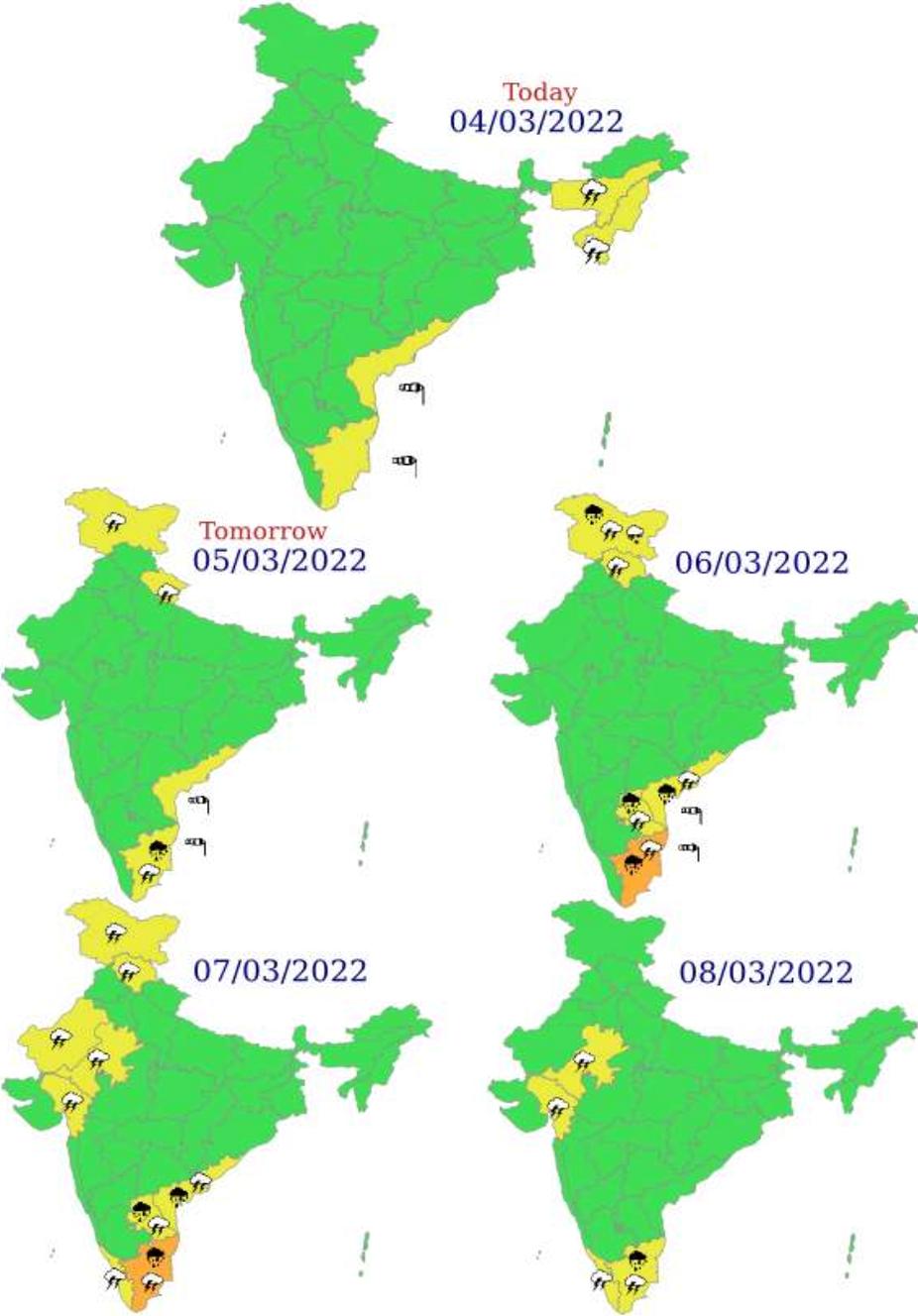
AREA OF MAXIMUM SUSTAINED WIND SPEED:

- 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



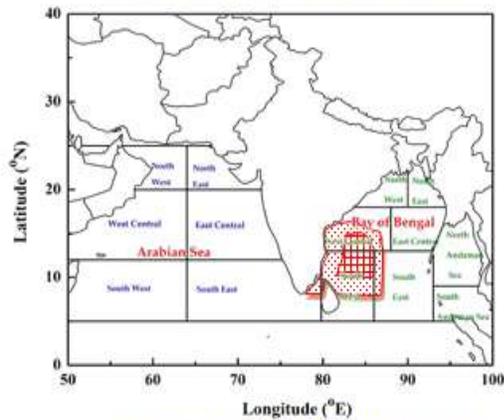
WARNING
WARNING (TAKE ACTION)
ALERT (BE PREPARED)
WATCH (BE UPDATED)
NO WARNING (NO ACTION)

 Heavy Rain
 Strong Winds

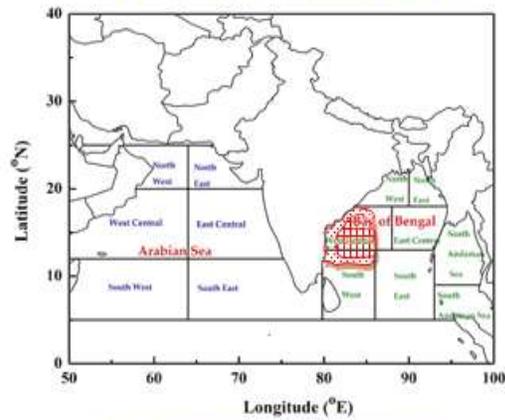
Fishermen Warning for North Indian Ocean

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

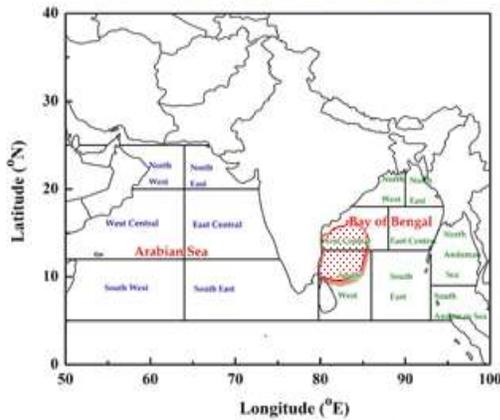
DAY-1: 04.03.2022/0600 UTC TO 05.03.2022/0600 UTC



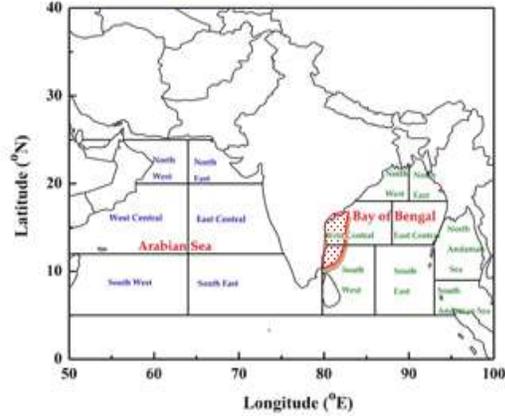
DAY-2: 05.03.2022/0600 UTC TO 06.03.2022 /0600 UTC



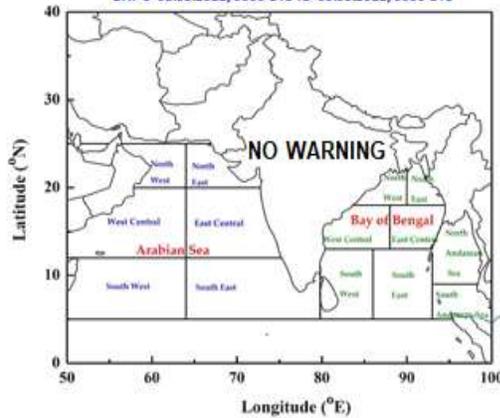
DAY-3: 06.03.2022/0600 UTC TO 07.03.2022/0600 UTC



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