



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

BULLETIN NO. : 10 (BOB/01/2022)

TIME OF ISSUE: 0210 HOURS IST

DATED: 05.03.2022

FROM: INDIA METEOROLOGICAL DEPARTMENT (FAX NO. 24643965/24699216/24623220)
TO: CONTROL ROOM, NDM, MINISTRY OF HOME AFFAIRS (FAX.NO. 23093750)
CONTROL ROOM NDMA (FAX.NO. 26701729)
CABINET SECRETARIAT (FAX.NO.23012284, 23018638)
PS TO HON'BLE MINISTER FOR S & T AND EARTH SCIENCES (FAX NO.23316745)
SECRETARY, MOES (FA X NO. 24629777)
H.Q. (INTEGRATED DEFENCE STAFF AND CDS) (FAX NO. 23005137/23005147)
DIRECTOR GENERAL, DOORDARSHAN (23385843)
DIRECTOR GENERAL, AIR (23421105, 23421219)
PIB MOES (FAX NO. 23389042)
UNI (FAX NO. 23355841)
D.G. NATIONAL DISASTER RESPONSE FORCE (NDRF) (FAX NO. 26105912, 2436 3260)
DIRECTOR, PUNCTUALITY, INDIAN RAILWAYS (FAX NO. 23388503)
ADMINISTRATOR, ANDAMAN & NICOBAR ISLANDS (FAX NO. 03192- 232656)
CHIEF SECRETARY, TAMIL NADU (FAX NO 044-25672304)
CHIEF SECRETARY, PUDUCHERRY (FAX NO 0413-2337575)
CHIEF SECRETARY, ANDHRA PRADESH (FAX NO. 0863-2441029, 08645-246600)
CHIEF SECRETARY, ODISHA (FAX NO. 0674-2536660)
CHIEF SECRETARY, WEST BENGAL (FAX NO. 033-22144328)
CHIEF SECRETARY, KERALA (FAX NO 0471-2327176)

Sub: Deep Depression over southwest Bay of Bengal

The Deep Depression over southwest Bay of Bengal moved nearly north-northwestwards with a speed of about 06 kmph during last 06 hours and lay centered at 2330 hrs IST of 4th March 2022, over the same region near latitude 10.3°N and longitude 82.6°E, about 240 km northeast of Trincomalee (Sri Lanka), 310km east-southeast of Nagappattinam (Tamil Nadu), 360 km east-southeast of Puducherry (Tamil Nadu) and about 450 km southeast of Chennai (Tamil Nadu).

It is likely to move northwestwards 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
04.03.22/2330	00	10.3 /82.6	50-60 gusting to 70	Deep Depression
05.03.22/1130	12	10.7/82.2	55-65 gusting to 75	Deep Depression
05.03.22/2330	24	10.9/81.7	55-65 gusting to 75	Deep Depression
06.03.22/1130	36	11.0/81.3	50-60 gusting to 70	Deep Depression
06.03.22/2330	48	10.8/80.7	45-55 gusting to 65	Depression

Warnings:

(i) Rainfall (warning graphics enclosed)

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

- **5th March:** 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 5th evening. The winds would decrease gradually becoming 50-60 kmph gusting to 70 kmph over the same region till 6th early morning.
- **6th & 7th 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 till 7th March morning.

(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 5th– 7th 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 7th March morning.

(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.

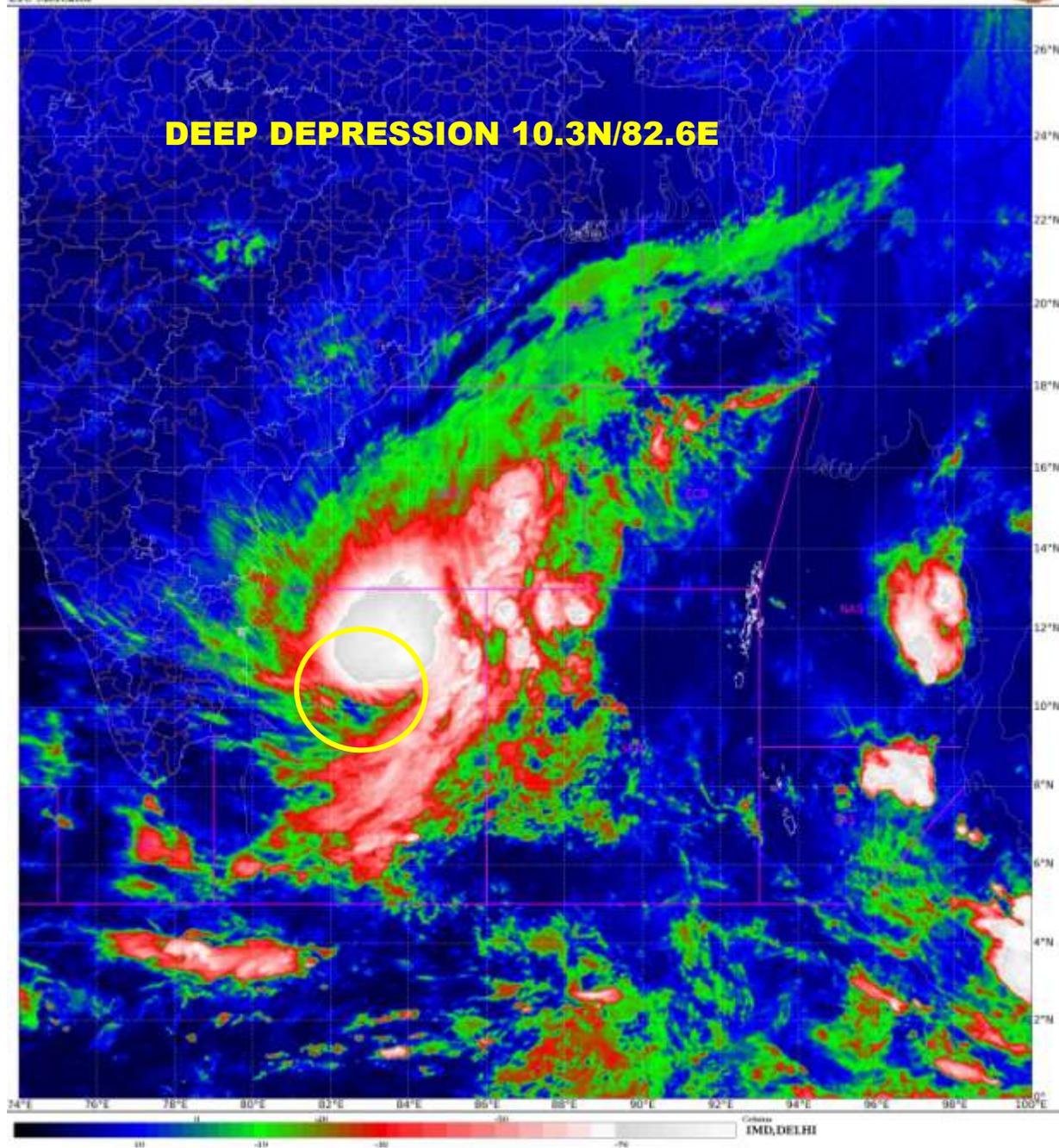
The next bulletin will be issued at 0830 hrs IST of today, the 05th March, 2022.

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

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

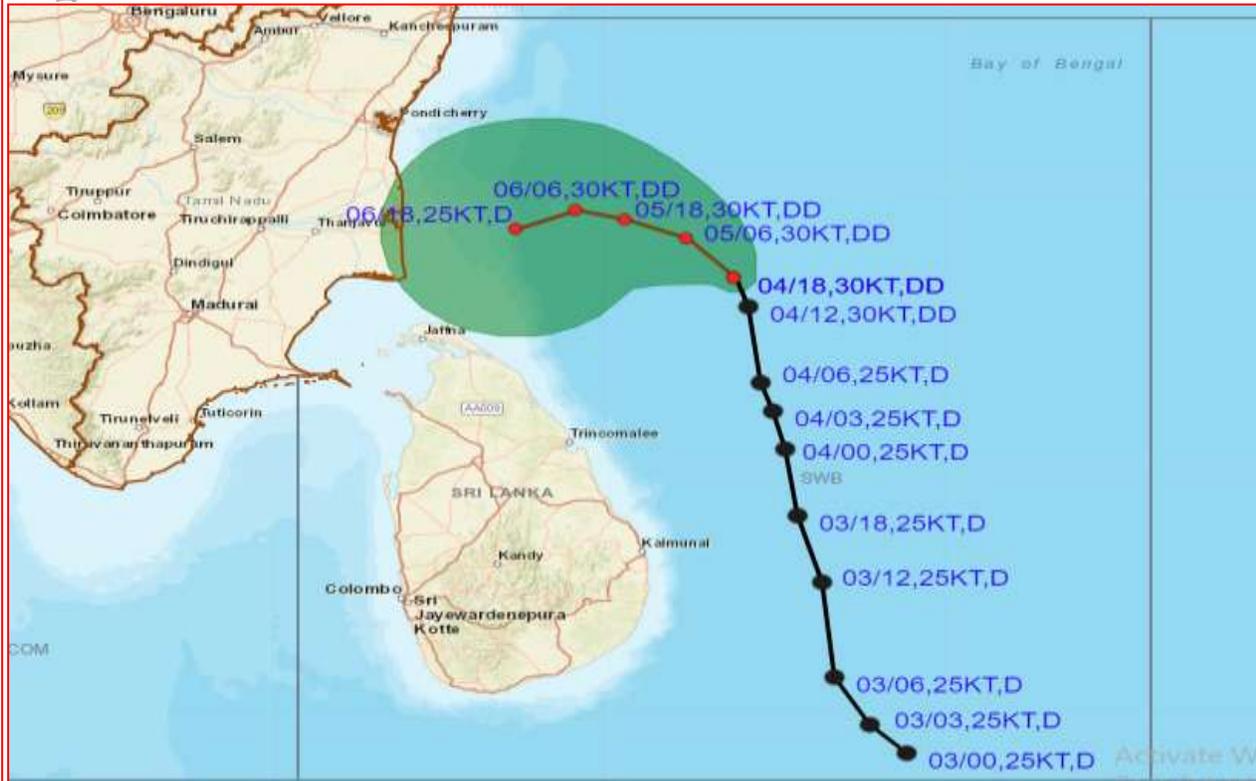


DEEP DEPRESSION 10.3N/82.6E





OBSERVED AND FORECAST TRACK ALONGWITH CONE OF UNCERTAINTY OF DEEP DEPRESSION OVER SOUTHWEST BAY OF BENGAL BASED ON 1800 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

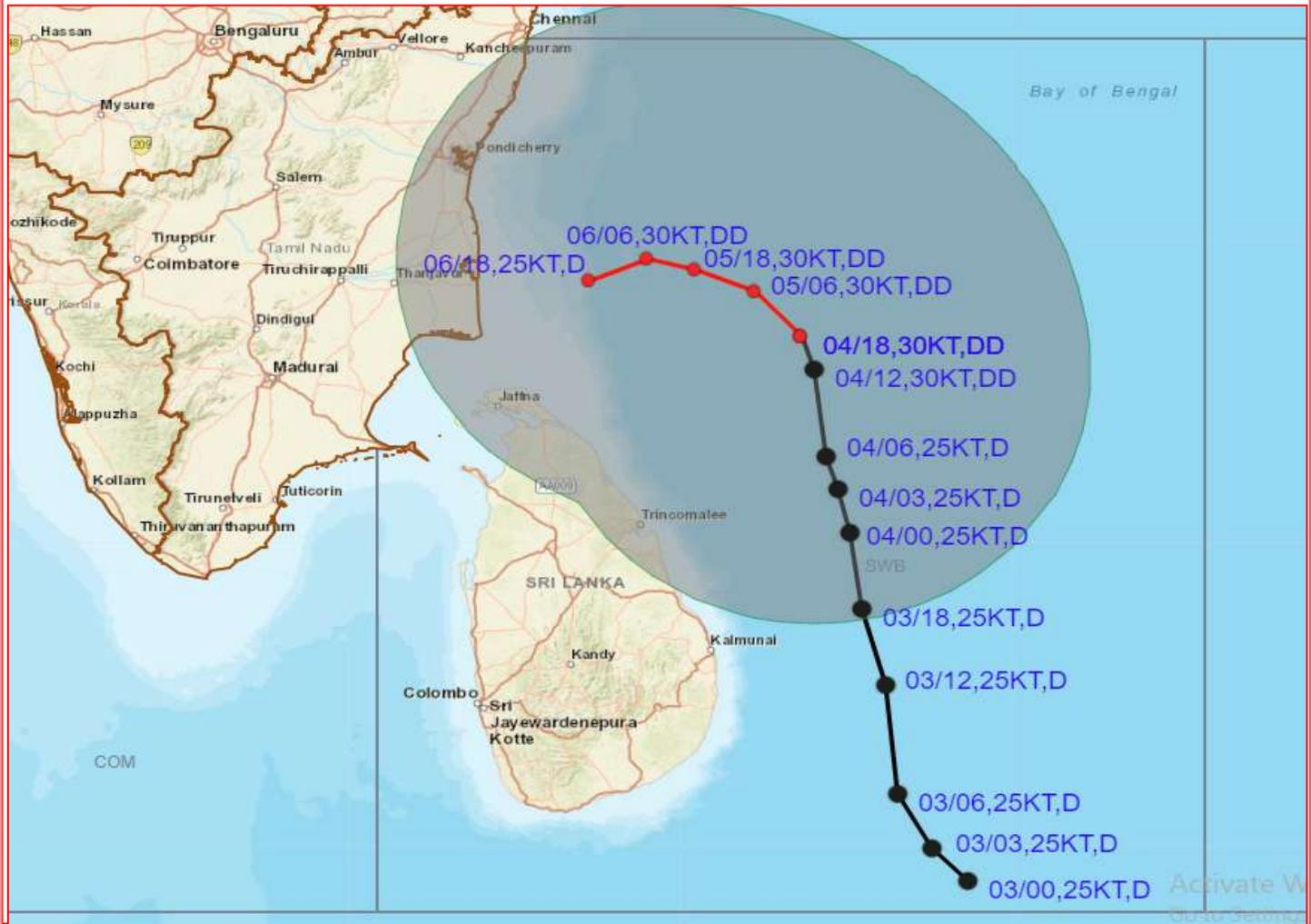
STATIONS	DISTANCE(KM) AND DIRECTION FROM STATIONS		
	04.03.22/1800	05.03.22/1800	06.03.22/1800
TRINCOMALEE	240,NE	260,N	250,NNW
NAGAPATTINAM	310,ESE	200,E	90,E
PUDUCHERRY	360,ESE	240,ESE	160,SE
CHENNAI	450,SE	350,SSE	320,S

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
04.03.22/1800	Trincomalee (240,NE)	Kankasanturai (280,ENE)	Vedaranyam (300,E)	Batticloa (300,NNE)	Velankanni (310,E)
05.03.22/0600	Kankasanturai (250,ENE)	Vedaranyam (260,E)	Batticloa (260,N)	Velankanni (260,E)	Nagapattinam (260,E)
05.03.22/1800	Vedaranyam (200,ENE)	Batticloa (200,N)	Velankanni (200,E)	Nagapattinam (200,E)	Karaikal (210,E)
06.03.22/0600	Batticloa (160,N)	Velankanni (160,ENE)	Nagapattinam (160,E)	Karaikal (160,E)	Tharangambadi (170,E)
06.03.22/1800	Velankanni (90,E)	Nagapattinam (100,E)	Karaikal (100,E)	Tharangambadi (100,ESE)	Mannar (100,NNE)



OBSERVED AND FORECAST TRACK ALONGWITH QUADRANT WIND DISTRIBUTION OF DEEP DEPRESSION OVER SOUTHWEST BAY OF BENGAL BASED ON 1800 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

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



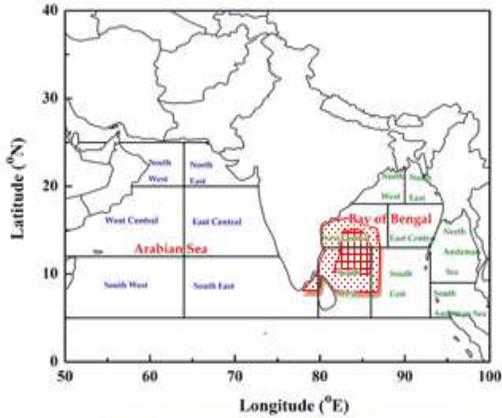
WARNING	
WARNING (TAKE ACTION)	
ALERT (BE PREPARED)	
WATCH (BE UPDATED)	
NO WARNING (NO ACTION)	

-  Heavy Rain
-  Strong Winds

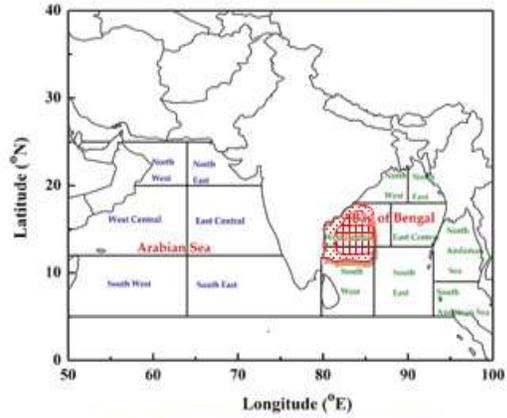
Fishermen Warning for North Indian Ocean

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

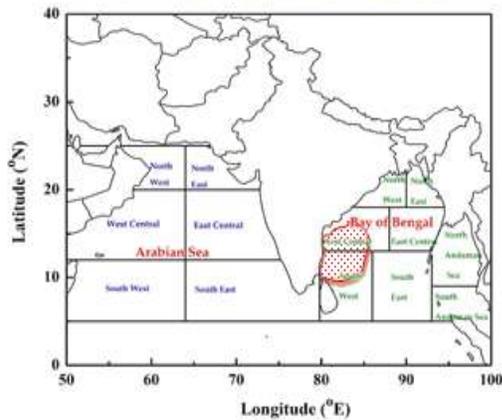
DAY-1: 04.03.2022/0600 UTC TO 05.03.2022/0600 UTC



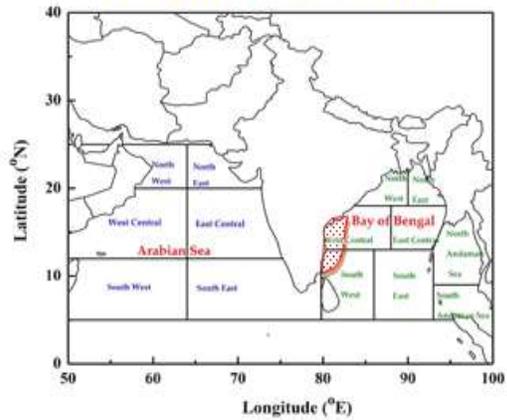
DAY-2: 05.03.2022/0600 UTC TO 06.03.2022/0600 UTC



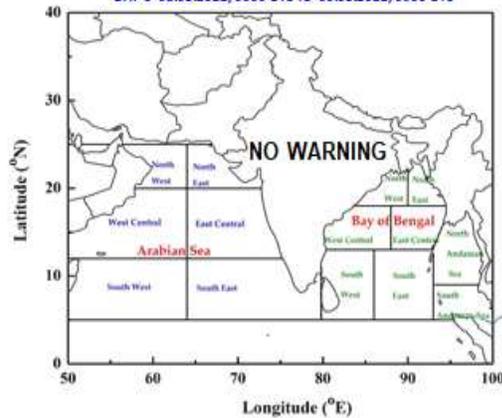
DAY-3: 06.03.2022/0600 UTC TO 07.03.2022/0600 UTC



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