



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

BULLETIN NO. : 13 (BOB/01/2022)

TIME OF ISSUE: 1400 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 northwards with a speed of about 14 kmph during last 06 hours and lay centered at 1130 hrs IST of 5th March 2022, over the same region near latitude 11.6°N and longitude 82.6°E, about 360 km north-northeast of Trincomalee (Sri Lanka), 320km east-northeast of Nagappattinam (Tamil Nadu), 300 km east-southeast of Puducherry (Tamil Nadu) and about 290 km east-southeast of Chennai (Tamil Nadu).

It is likely to move northwestwards till 5th 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:

Date/Time(IST)	Forecast Lead Period	Position (Lat. °N/ long. °E)	Maximum sustained surface wind speed (kmph)	Category of cyclonic disturbance
05.03.22/1130	00	11.6/82.6	55-65 gusting to 75	Deep Depression
05.03.22/2330	12	11.7/82.3	50-60 gusting to 70	Deep Depression
06.03.22/1130	24	11.5/81.6	45-55 gusting to 65	Depression
06.03.22/2330	36	11.0/80.9	35-45 gusting to 55	Depression
07.03.22/1130	48	10.5/80.2	20-30 gusting to 40	Well Marked Low Pressure Area

Warnings:

(i) Rainfall (warning graphics enclosed)

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

6th 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.

7th 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 5th midnight. The wind speed would decrease gradually becoming 50-60 kmph gusting to 70 kmph over the same region from 5th midnight onwards and would further decrease becoming 45-55 kmph gusting to 65 kmph over the same region from 6th noon onwards. It will further reduce becoming 35-45kmph gusting to 55kmph over the same region till 7th March forenoon and decrease thereafter.

(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 7th 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 7th 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 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 1430 hrs IST of today, the 05th March, 2022.

(M. Sharma)

Scientist-D, RSMC, New Delhi

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

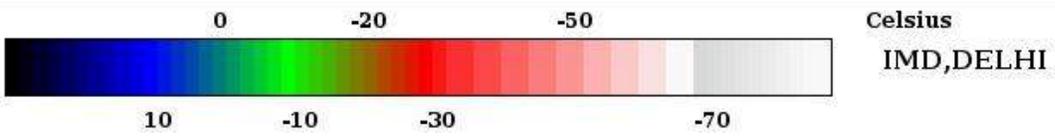
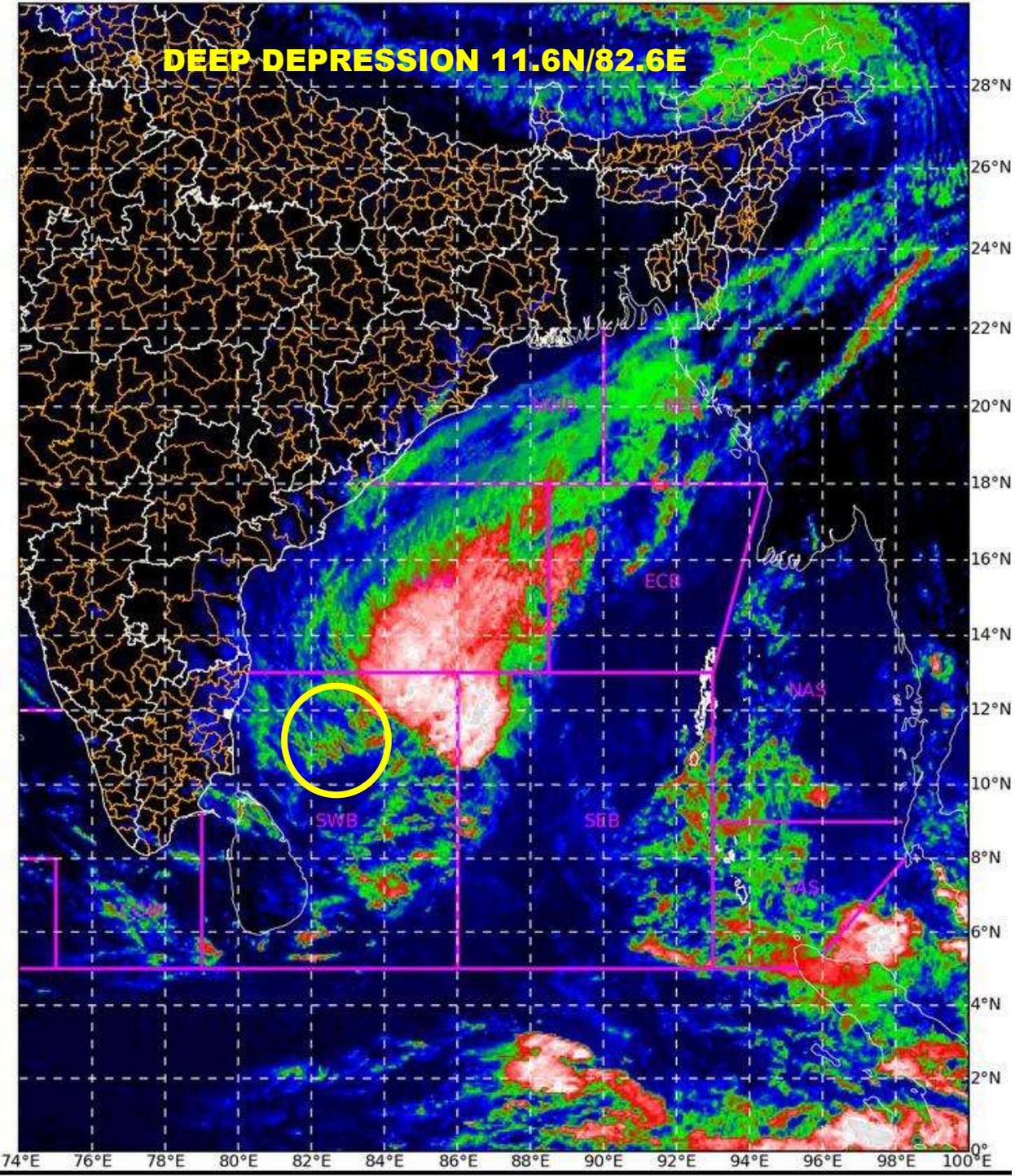
SAT : INSAT-3D IMG

05-03-2022/(0730 to 0757) GMT

IMG_TIR1_TEMP 10.8 um

05-03-2022/(1300 to 1327) IST

L1C Mercator





OBSERVED AND FORECAST TRACK ALONGWITH CONE OF UNCERTAINTY OF DEEP DEPRESSION OVER SOUTHWEST BAY OF BENGAL BASED ON 0600 UTC OF 5th MARCH,



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

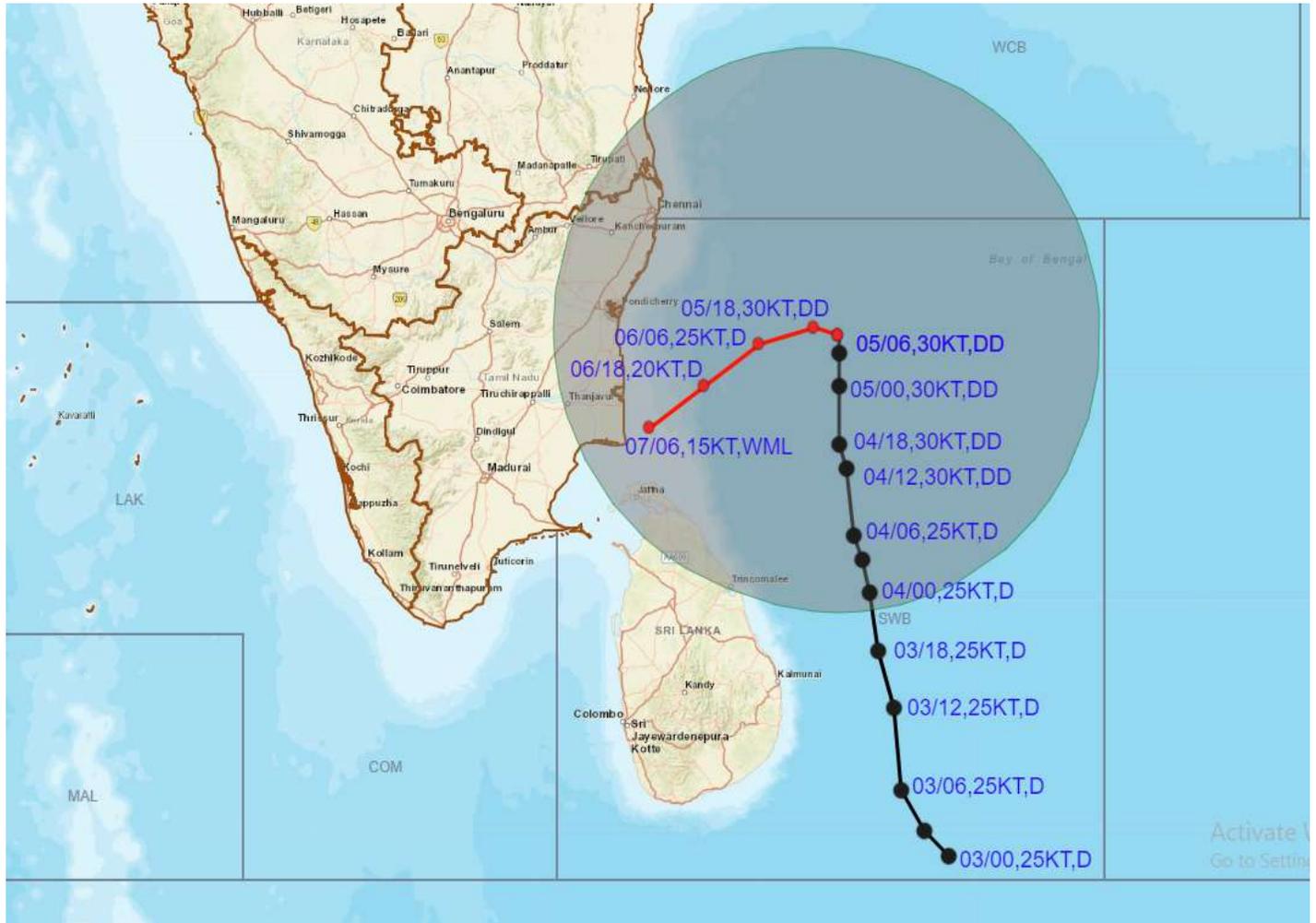
STATIONS	DISTANCE(KM) AND DIRECTION FROM STATIONS		
	05.03.22/0600	06.03.22/0600	07.03.22/0600
TRINCOMALEE	360,NNE	330,N	240,NNW
NAGAPATTINAM	320,ENE	210,ENE	50,SE
PUDUCHERRY	300,E	200,ESE	170,SSE
CHENNAI	290,SE	280,SSE	350,S

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
05.03.22/0600	Pudupattina m (280,ESE)	Ennore (300,SE)	Kalapet (300,E)	Kottakuppam (300,E)	Minambakkam (300,ESE)
05.03.22/1800	Ennore (250,SE)	Kalapet (270,E)	Kottakuppam (270,E)	Minambakka m (270,ESE)	Puducherry (270,E)
06.03.22/0600	Kalapet (190,ESE)	Kottakuppam (200,ESE)	Minambakkam (200,SE)	Puducherry (200,ESE)	Tharangambadi (200,ENE)
06.03.22/1800	Kottakuppam (110,SE)	Minambakka m (120,SSE)	Puducherry (120,SE)	Tharangambadi (120,E)	Parangipettai (130,ESE)
07.03.22/0600	Minambakka m (40,S)	Puducherry (40,SSE)	Tharangambadi (50,SSE)	Parangipettai (60,SSE)	Nungambakkam (70,S)



OBSERVED AND FORECAST TRACK ALONGWITH QUADRANT WIND DISTRIBUTION OF DEEP DEPRESSION OVER SOUTHWEST BAY OF BENGAL BASED ON 0600 UTC OF 5th 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

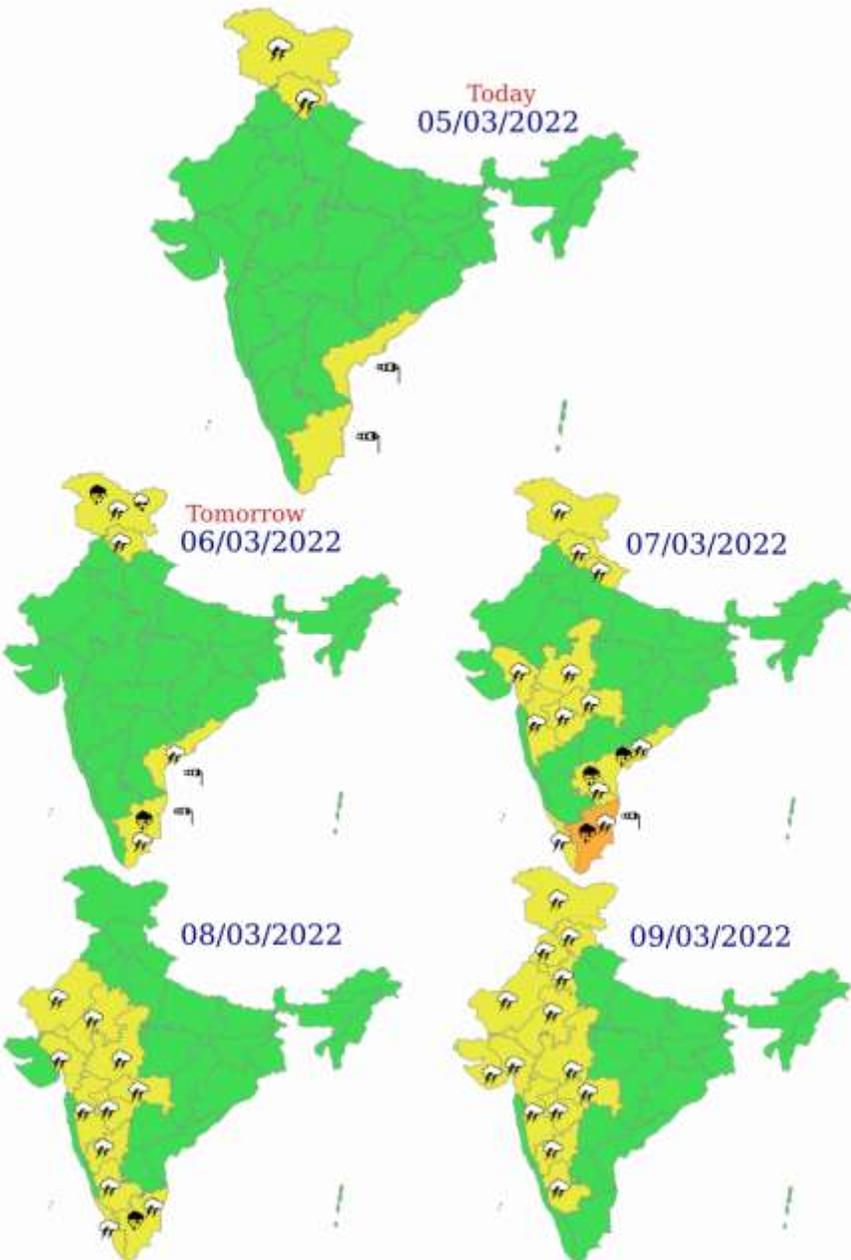
AREA OF MAXIMUM SUSTAINED WIND SPEED:

- 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)

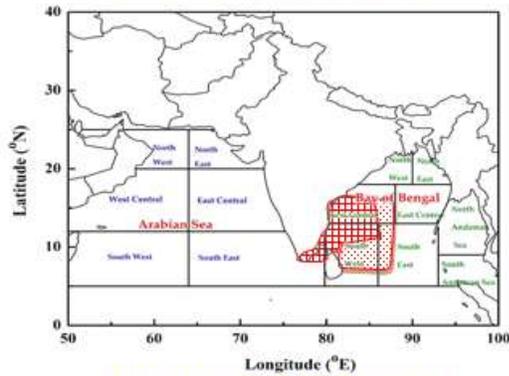
 Heavy Rain

 Strong Winds

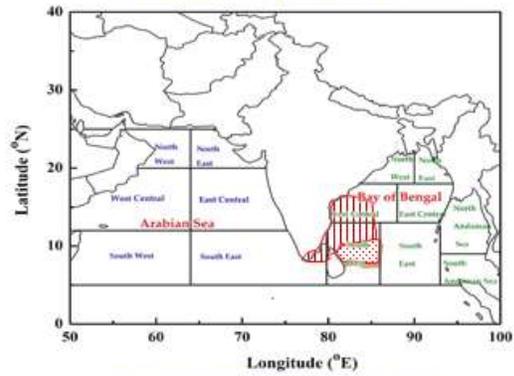
Fishermen Warning for North Indian Ocean

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

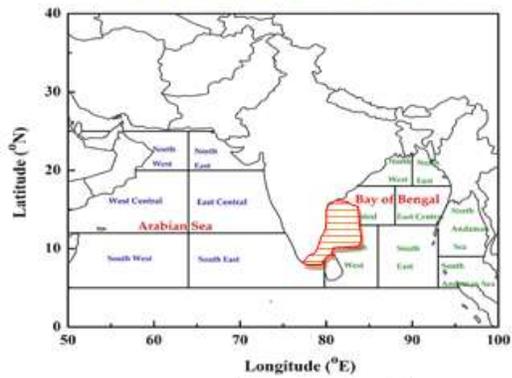
DAY-1: 05.03.2022/0600 UTC TO 06.03.2022/0600 UTC



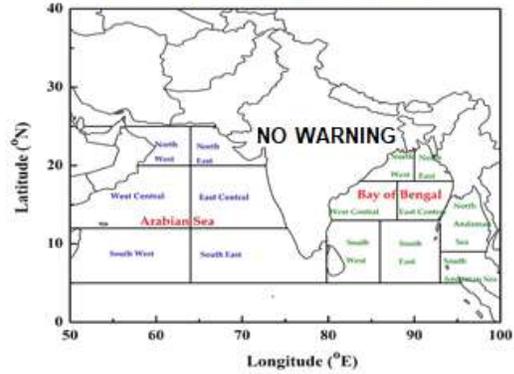
DAY-2: 06.03.2022/0600 UTC TO 07.03.2022 /0600 UTC



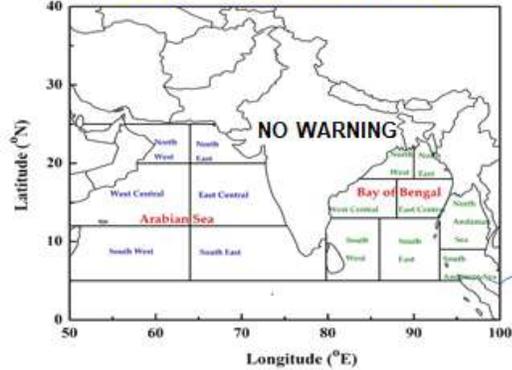
DAY-3: 07.03.2022/0600 UTC TO 08.03.2022/0600 UTC



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