



India Meteorological Department
(Ministry of Earth Sciences)

BULLETIN NO. : 16 (BOB/01/2022)

TIME OF ISSUE: 0745 HOURS IST

DATED: 06.03.2022

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Sub: Depression over southwest Bay of Bengal

The Depression over southwest Bay of Bengal moved nearly southwestwards with a speed of about 07 kmph during past 06 hours and lay centered at 0530 hrs IST of today the 6th March 2022, over the same region near latitude 11.2°N and longitude 82.2°E, about 310 km north-northeast of Trincomalee (Sri Lanka), 260 km east-northeast of Nagappattinam (Tamil Nadu), 270 km east-southeast of Puducherry (Tamil Nadu) and about 280 km south-southeast of Chennai (Tamil Nadu).

It is likely to move southwestwards towards north Tamil Nadu Coast and weaken gradually into a well marked low pressure area during next 06 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
06.03.22/0530	00	11.2/82.2	40-50 gusting to 60	Depression
06.03.22/1730	12	10.9/81.9	30-40 gusting to 50	Well Marked Low Pressure Area

Warnings:

(i) Rainfall (warning graphics enclosed)

6th March – Light to moderate rainfall/thundershower at few places very likely over north coastal Tamil Nadu, Puducherry & Karaikal.

7th March: Light to moderate rainfall/thundershower at a many very likely over coastal Tamil Nadu, Puducherry & Karaikal and at a few places over north interior Tamilnadu. Light to moderate rainfall/thunder shower at isolated places is very likely over south coastal Andhra Pradesh and Rayalaseema.

(ii) Wind warning

- Squally winds speed reaching 40-50 kmph gusting to 60 kmph would prevail over Southwest & adjoining Westcentral Bay of Bengal, Gulf of Mannar and along & off north Tamil Nadu, Puducherry & South Andhra Pradesh coasts during next 12 hours. It would gradually decrease and becoming 30-40 kmph gusting to 50 kmph over the same region during subsequent 12 hours.

(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 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, 2022.

The next bulletin will be issued at 1130 hrs IST of the 06th March, 2022.

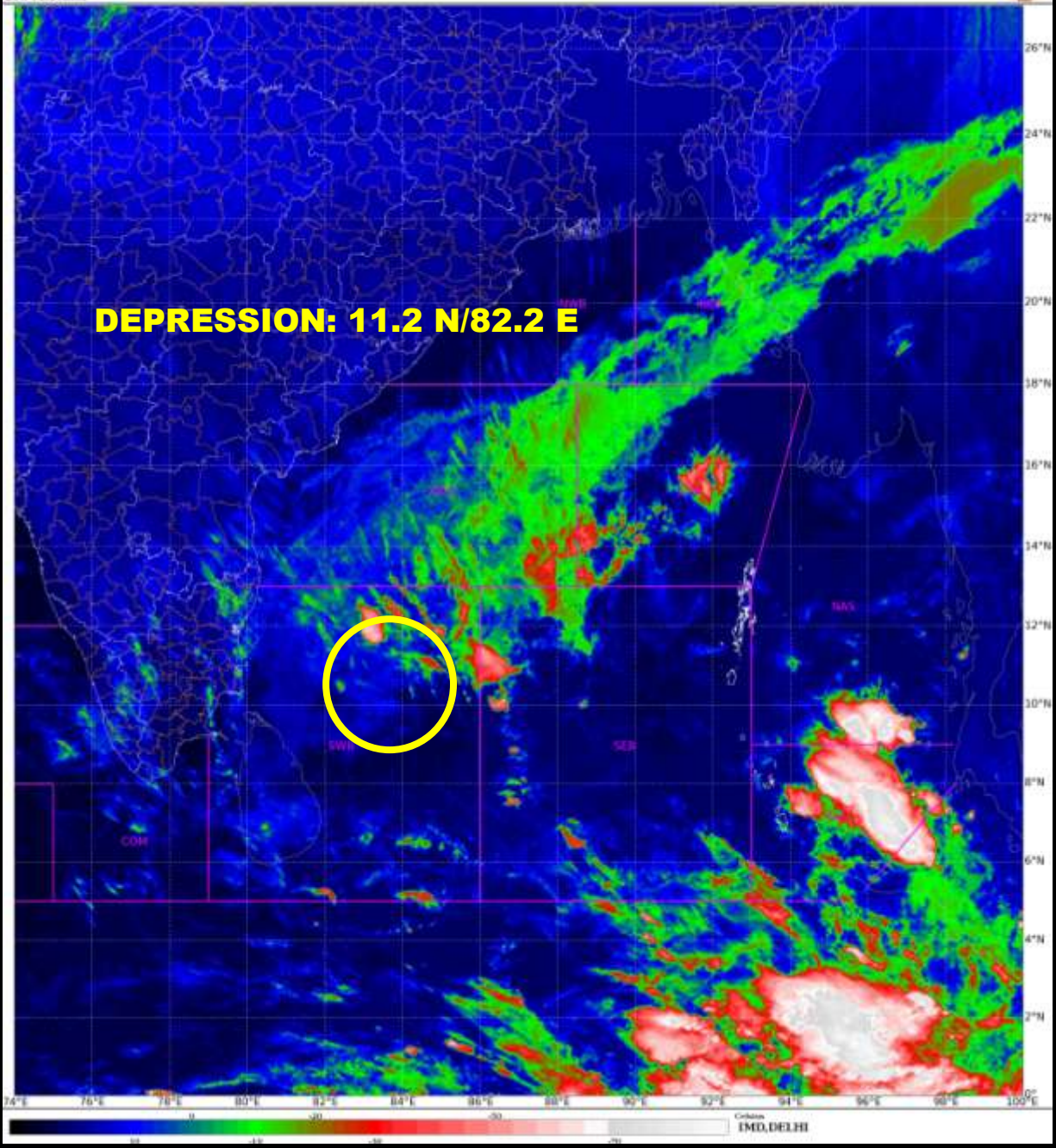
(Shobhit Katiyar)

Scientist-C, RSMC, New Delhi

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

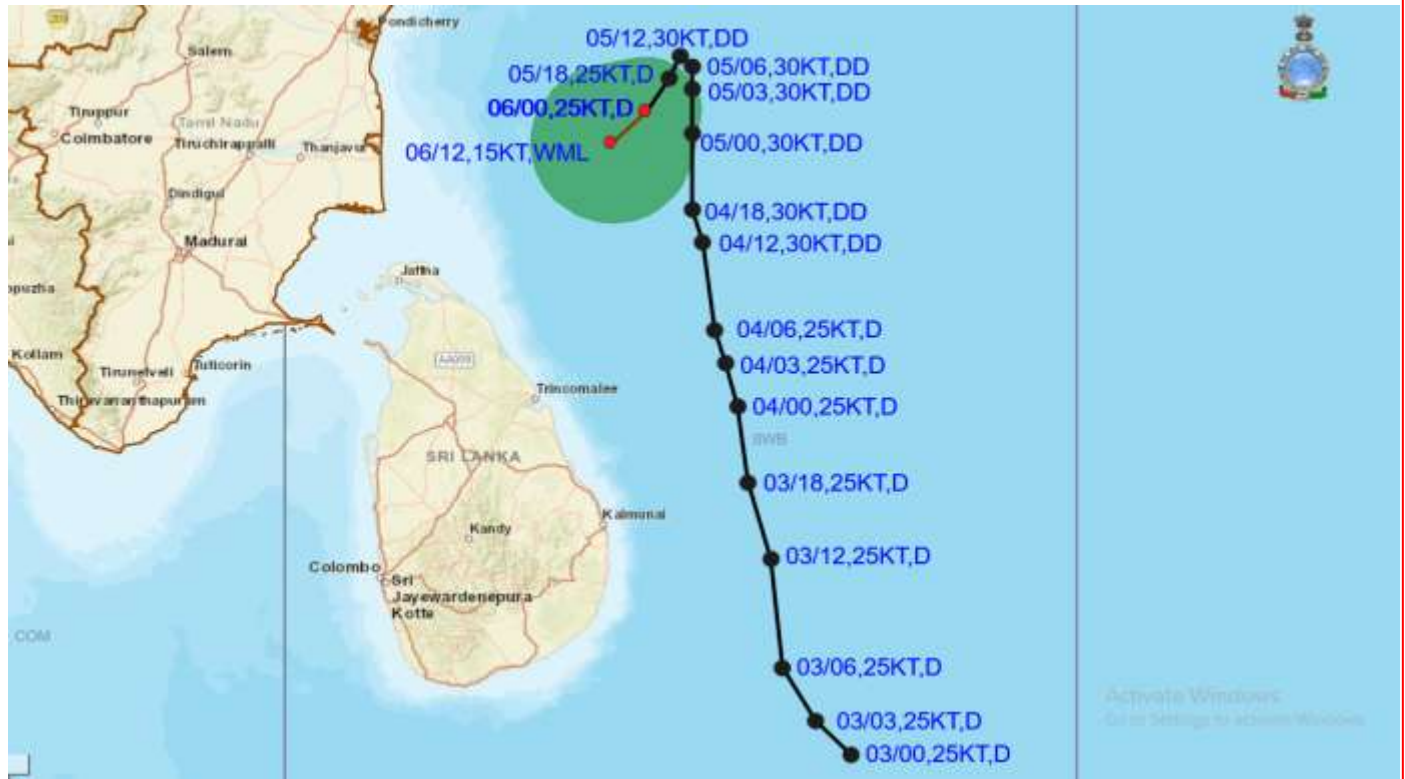
SAT : INSAT-3DR IMG
IMG_TIR1_TEMP 10.6 um
LIC Mercator

06-03-2022(0115 to 0142) GMT
06-03-2022(0645 to 0712) IST





OBSERVED AND FORECAST TRACK ALONGWITH CONE OF UNCERTAINTY OF DEPRESSION OVER SOUTHWEST BAY OF BENGAL BASED ON 0000 UTC OF 6th 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

STATIONS	DISTANCE(KM) AND DIRECTION FROM STATIONS	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
	06.03.22/0000	
TRINCOMALEE	310, NNE	
NAGAPATTINAM	260, ENE	
PUDUCHERRY	270, ESE	
CHENNAI	280, 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
06.03.22/0000	Tharangambadi (260,E)	Karaikal (260,E)	Nagapattinam (260,E)	Velankanni (260,ENE)	Pudupattinam (270,ESE)
06.03.22/1200	Karaikal (220,E)	Nagapattinam (220,E)	Velankanni (230,E)	Pudupattinam (230,SE)	Parangipettai (230,ESE)



OBSERVED AND FORECAST TRACK ALONGWITH QUADRANT WIND DISTRIBUTION OF DEPRESSION OVER SOUTHWEST BAY OF BENGAL BASED ON 0000 UTC OF 6th MARCH, 2022



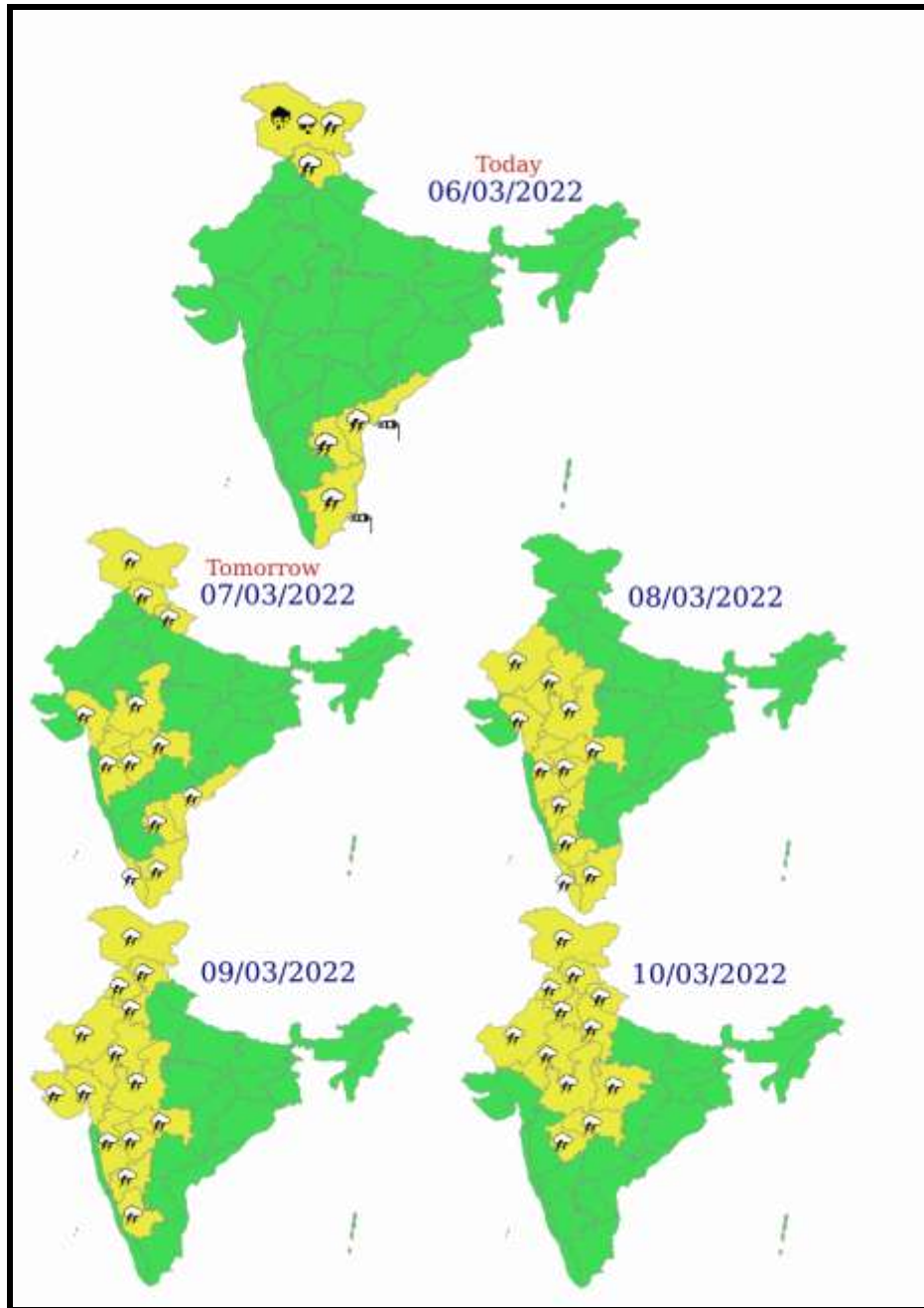
DATE/TIME IN UTC
 IST=UTC + 0530
 L: LOW PRESSURE AREA
 WML: WELL MARKED LOW PRESSURE AREA
 D: DEPRESSION (17-27 KT)
 DD: DEEP DEPRESSION (28-33 KT)
 CS: CYCLONIC STORM (34-47 KT)
 SCS: SEVERE CYCLONIC STORM (48-63KT)
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 ESCS: EXTREMELY SEVERE CYCLONIC 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
 AREA OF MAXIMUM SUSTAINED WIND SPEED:
 ■ 28-33 KT (52-61 KMPH)
 ■ 34-49 KT (62-91 KMPH)
 ■ 50-63 KT (92-117 KMPH)
 ■ \geq 64 KT (\geq 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
\geq 64 (\geq 118)	Phenomenal	Total suspension of fishing operations

Thunderstorm and Lightning Warning for India



WARNING

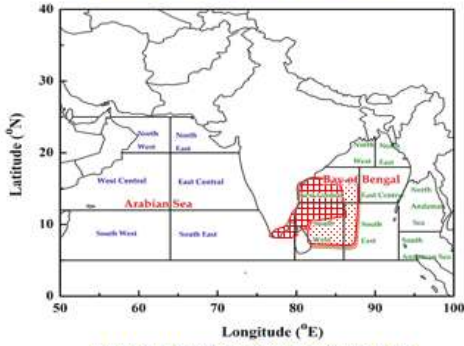


Squall/ Hail

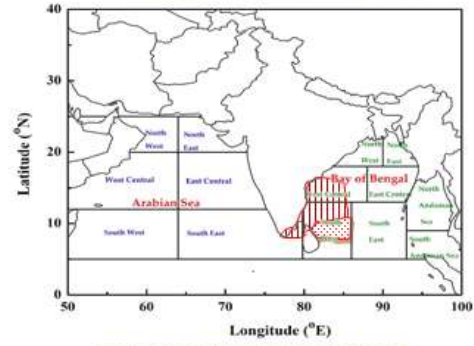
Fishermen Warning for North Indian Ocean

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

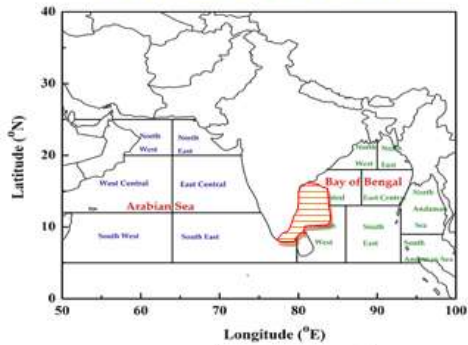
DAY-1: 05.03.2022/0600 UTC TO 06.03.2022/0600 UTC



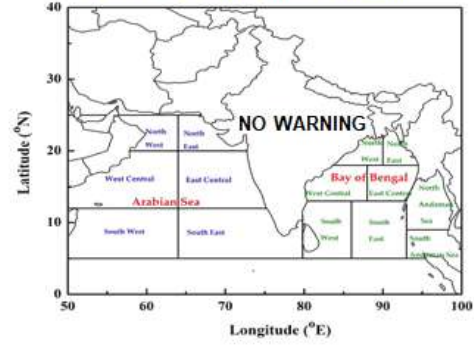
DAY-2: 06.03.2022/0600 UTC TO 07.03.2022/0600 UTC



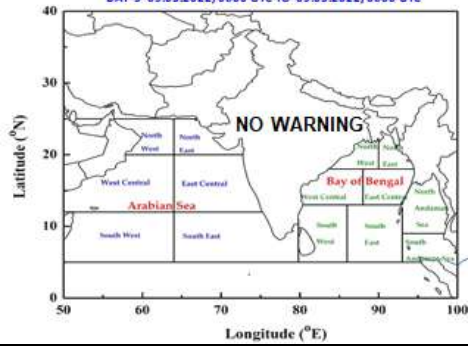
DAY-3: 07.03.2022/0600 UTC TO 08.03.2022/0600 UTC



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 70 KMPH
-  55-65 KMPH GUSTING TO 75 KMPH