



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

BULLETIN NO. : 05 (BOB/01/2022)

TIME OF ISSUE: 0145 HOURS IST

DATED: 04.03.2022

**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 0413-2334145)
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: Depression over southwest Bay of Bengal

The Depression over southwest Bay of Bengal moved north-northwestwards with a speed of about 13 kmph during last 06 hours and lay centered at 2330 hrs IST of yesterday, the 03rd March 2022, over the same region near latitude 7.8°N and longitude 83.1°E, about 220 km east-southeast of Trincomalee (Sri Lanka), 490 km east-southeast of Nagappattinam (Tamil Nadu), 590 km south-southeast of Puducherry (Tamil Nadu) and about 650 km south-southeast of Chennai (Tamil Nadu).

It is likely to intensify further into a Deep Depression during next 12 hours. It is likely to move northwestwards along & 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
03.03.22/2330	7.8/83.1	45-55 gusting to 65	Depression
04.03.22/1130	9.3/82.7	50-60 gusting to 70	Deep Depression
04.03.22/2330	10.5/82.0	50-60 gusting to 70	Deep Depression
05.03.22/1130	11.6/81.4	45-55 gusting to 65	Depression
05.03.22/2330	12.4/81.0	40-50 gusting to 60	Depression

Warnings:

(i) Rainfall (warning graphics enclosed)

4th March– Light to moderate rainfall/thundershower 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

- **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 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 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.

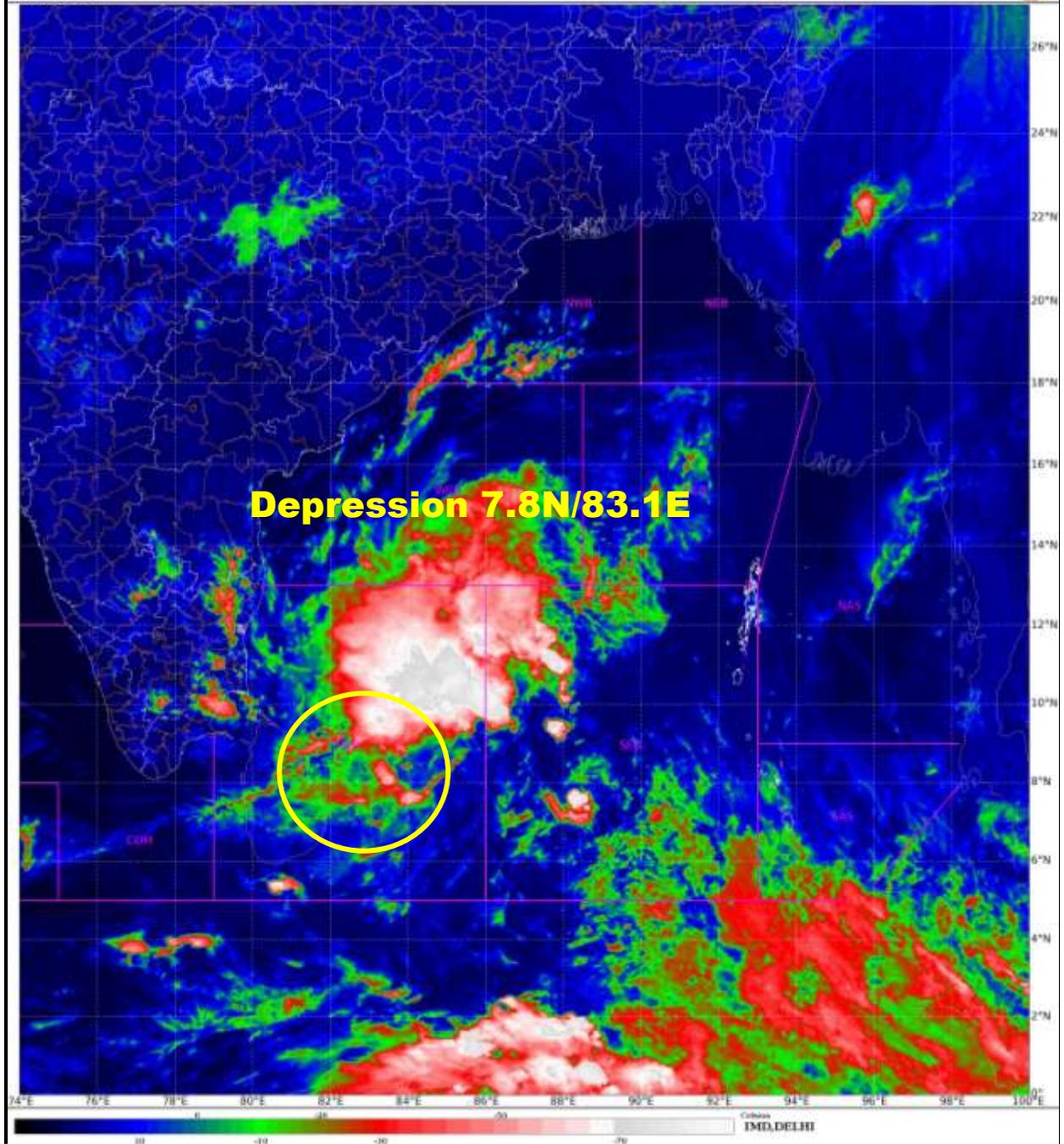
B. Action Suggested

- 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 0830 hrs IST of today, the 04th March, 2022.

(Krishna Mishra)
Scientist-C, RSMC, New Delhi

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





OBSERVED AND FORECAST TRACK ALONGWITH CONE OF UNCERTAINTY OF DEPRESSION OVER SOUTHWEST BAY OF BENGAL BASED ON 1800 UTC OF 3RD MARCH, 2022

STATIONS	DISTANCE (KM) AND DIRECTION FROM STATIONS		
	03.03.22/2330	04.03.00/2330	05.03.22/2330
TRINCOMALEE	223, ESE	237, NNE	430, NNW
NAGAPATTINAM	490, ESE	244, ESE	220, NE
PUDUCHERRY	578, SSE	286, SE	143, NE
CHENNAI	651, SSE	334, SE	104, SE



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



OBSERVED AND FORECAST TRACK ALONGWITH QUADRANT WIND DISTRIBUTION OF DEPRESSION OVER SOUTHWEST BAY OF BENGAL BASED ON 1800 UTC OF 3RD MARCH, 2022

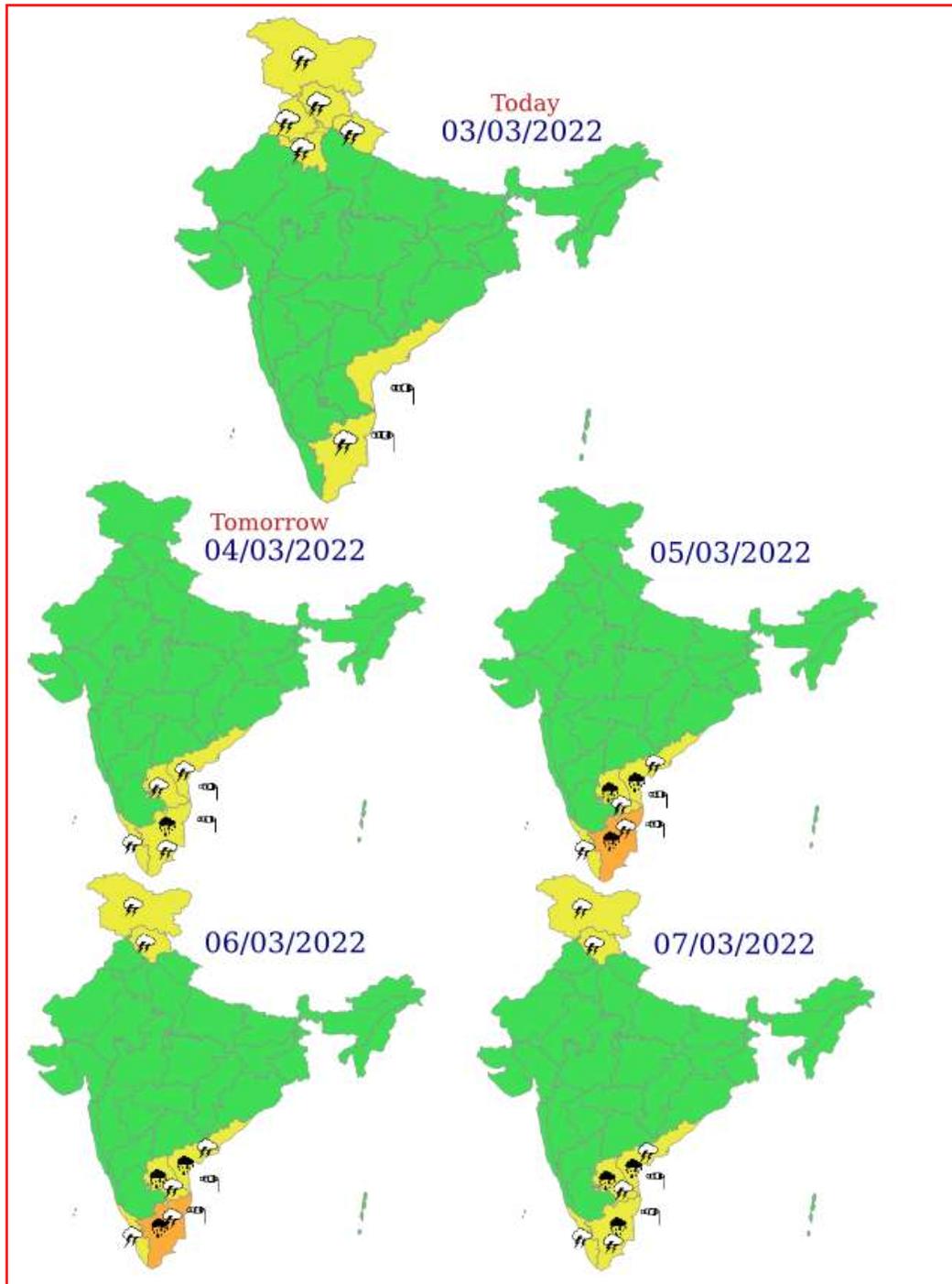


DATE/TIME IN UTC
 IST=UTC + 0530
 L: LOW PRESSURE AREA
 WML: WELL MARKED LOW PRESSURE AREA
 D: DEPRESSION (17-27 KT)
 DD: DEEP DEPRESSION (28-33 KT)
 CS: CYCLONIC STORM (34-47 KT)
 SCS: SEVERE CYCLONIC STORM (48-63KT)
 VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)
 ESCS: EXTREMELY SEVERE CYCLONIC STORM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

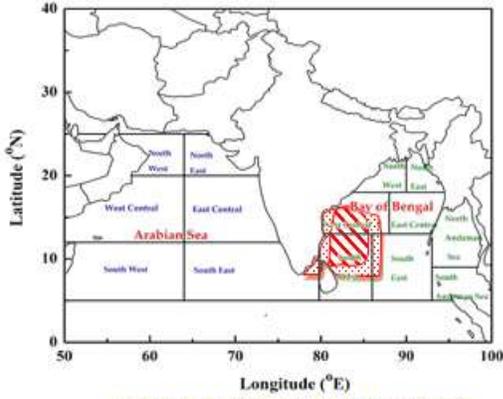


Fishermen Warning for North Indian Ocean

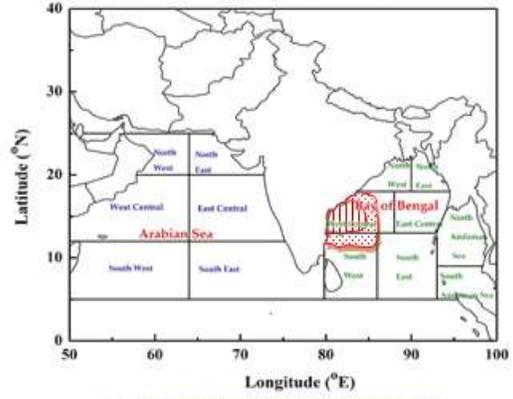
INDIA METEOROLOGICAL DEPARTMENT

FISHERMAN WARNING FOR BAY OF BENGAL AND ARABIAN SEA

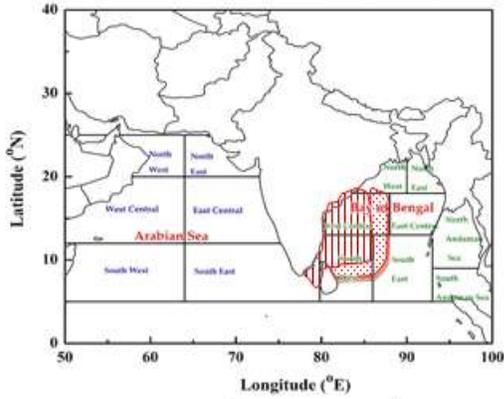
DAY-1: 03.03.2022/0600 UTC TO 04.03.2022/0600 UTC



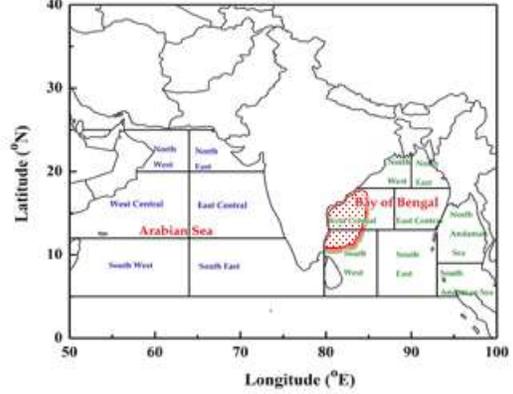
DAY-2: 04.03.2022/0600 UTC TO 05.03.2022/0600 UTC



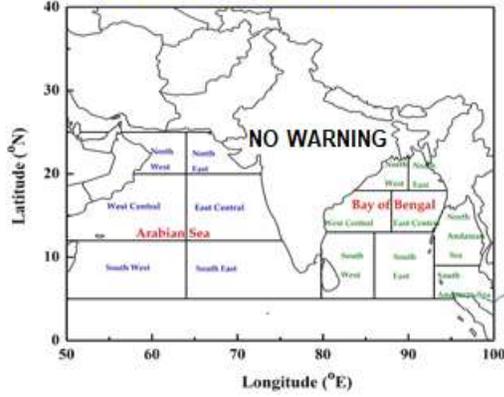
DAY-3: 05.03.2022/0600 UTC TO 06.03.2022/0600 UTC



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