India Meteorological Department
(Ministry of Earth Sciences)

BULLETIN NO. 2 (BOB/03/2022)

TIME OF ISSUE:2120 HOURS IST **DATED: 07.05.2022**

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 (FAX 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)

Sub: Deep Depression over southeast Bay of Bengal & it's likely intensification into a cyclonic storm in the morning of 8th May, 2022

The Depression over Southeast Bay of Bengal and adjoining Andaman Sea moved northwestwards with a speed of 20 kmph, concentrated into a deep depression and lay centered at 1730 hours IST of today, the 07th May, over southeast Bay of Bengal near latitude 10.2°N and longitude 90.5°E, about 280 km west-northwest of Car Nicobar (Nicobar Islands), 290 km southwest of Port Blair (Andaman Islands), 1140 km southeast of Visakhapatnam (Andhra Pradesh) and 1180 km south-southeast of Puri (Odisha).

It is very likely to move northwestwards and intensify into a **Cyclonic Storm** over southeast Bay of Bengal in the morning of 8th May and into a severe cyclonic storm over east central Bay of Bengal by 8th May evening. It is very likely to continue to move northwestwards till 10th May evening and reach Westcentral and adjoining Northwest Bay of Bengal off North Andhra Pradesh & Odisha coasts. Thereafter, it is very likely to recurve north-northeastwards and move towards Northwest Bay of Bengal off Odisha coast.

Forecast track and intensity are given in the following table:

Date/Time(IST)	Position (Lat. ^{0}N/ long. ^{0}E)	Maximum sustained surface wind speed (Kmph)	Category of cyclonic disturbance
07.05.22/1730	10.2/90.5	50-60 gusting to 70	Deep Depression
08.05.22/0530	11.6/89.6	70-80 gusting to 90	Cyclonic Storm
08.05.22/1730	13.0/88.6	90-100 gusting to 110	Severe Cyclonic Storm
09.05.22/0530	14.4/87.3	105-115 gusting to 125	Severe Cyclonic Storm
09.05.22/1730	15.4/86.4	105-115 gusting to 125	Severe Cyclonic Storm
10.05.22/0530	16.3/85.8	95-105 gusting to 115	Severe Cyclonic Storm
10.05.22/1730	17.2/85.4	90-100 gusting to 110	Severe Cyclonic Storm
11.05.22/0530	18.0/85.3	80-90 gusting to 100	Cyclonic Storm
11.05.22/1730	18.5/85.5	70-80 gusting to 90	Cyclonic Storm
12.05.22/0530	18.9/85.7	60-70 gusting to 80	Cyclonic Storm
12.05.22/1730	19.3/86.0	50-60 gusting to 70	Deep Depression

Warnings:

(i) Rainfall (warning graphics enclosed)

7th May: Rainfall at most places with heavy rainfall at isolated places very likely over Andaman & Nicobar Islands.
10th May: Light to moderate rainfall likely at a few places with heavy rainfall at isolated places over coastal Odisha and adjoining areas of north coastal Andhra Pradesh from 10th evening.
11th May: Rainfall at a few places with heavy rainfall at isolated places likely over coastal Odisha and adjoining coastal areas of north Andhra Pradesh and West Bengal.

(ii) Wind warning

- **7th May**: Squally wind speed reaching 50-60 kmph gusting to 70 kmph is very likely to prevail over southeast Bay of Bengal and adjoining Eastcentral Bay of Bengal and Andaman Sea. Squally wind speed reaching 40-50 kmph gusting to 60 kmph is very likely to prevail over Andaman and Nicobar Islands.
- **8th May**: Gale wind speed reaching 70-80 kmph gusting to 90 kmph is likely to prevail over Southeast & adjoining Eastcentral Bay of Bengal and would gradually increase reaching 90-100 kmph gusting to 110 kmph over the same region from 8th May evening.
- **9th May**: Gale wind speed reaching 105-115 kmph gusting to 125 kmph is likely to prevail over central parts of Bay of Bengal**.**
- **10th May:** Gale wind speed reaching 95-105 kmph gusting to 115 kmph is likely to prevail around the system center over Westcentral and adjoining Northwest Bay of Bengal. Squally wind speed reaching 40-50 kmph gusting to 60 kmph is likely over coastal districts of north Andhra Pradesh.
- **11th May:** Gale wind speed reaching 80-90 kmph gusting to 100 kmph is likely to prevail over northwest and adjoining Westcentral Bay of Bengal. Squally wind speed reaching 40-50 kmph gusting to 60 kmph is likely over coastal districts of Odisha and adjoining coastal north Andhra Pradesh.
- **12th May:** Gale wind speed reaching 60-70 kmph gusting to 80 kmph is likely to prevail over northwest Bay of Bengal. Squally wind speed reaching 40-50 kmph gusting to 60 kmph is likely over coastal districts of Odisha.

(iii) Sea condition

- **7th May:** Sea condition is very likely to become rough to very rough over southeast Bay of Bengal and adjoining Eastcentral Bay of Bengal and Andaman Sea.

- **8th May:** Sea condition is very likely to become high to very high over Southeast & adjoining Eastcentral Bay of Bengal. The sea condition over Andaman Sea would gradually improve becoming rough.
- **9th May:** Sea condition is likely to become high to very high over central parts of Bay of Bengal
- **10th May:** Sea condition is likely to become high to very high over Westcentral & adjoining Northwest and Eastcentral Bay of Bengal.
- **11th May:** Sea condition is likely to become high to very high over Northwest and adjoining Westcentral Bay of Bengal.
- **12th May:** Sea condition is likely to become high to very high over Northwest Bay of Bengal.

(iv) Fishermen Warning (Graphics enclosed)

- Fishermen are advised not to venture into Southeast Bay of Bengal and adjoining Andaman Sea during 7th-8th May.
- Fishermen are advised not to venture into Eastcentral Bay of Bengal on 8th May.
- Fishermen are advised not to venture into central parts of Bay of Bengal on 9th & 10th May and over Northwest Bay of Bengal from 10th to 12th May.
- Fishermen out at sea are advised to return to coast.

(v) ACTION SUGGESTED for Andaman and Nicobar Islands during 7th – 8th May

- Total suspension of fishing and tourism activities.
- 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.
- Regulate off-shore activities

The system is under continuous surveillance and the next message will be issued at 0230 hours IST of 8th May, 2022.

(Ananda Kumar Das)
Scientist-E, RSMC, New Delhi

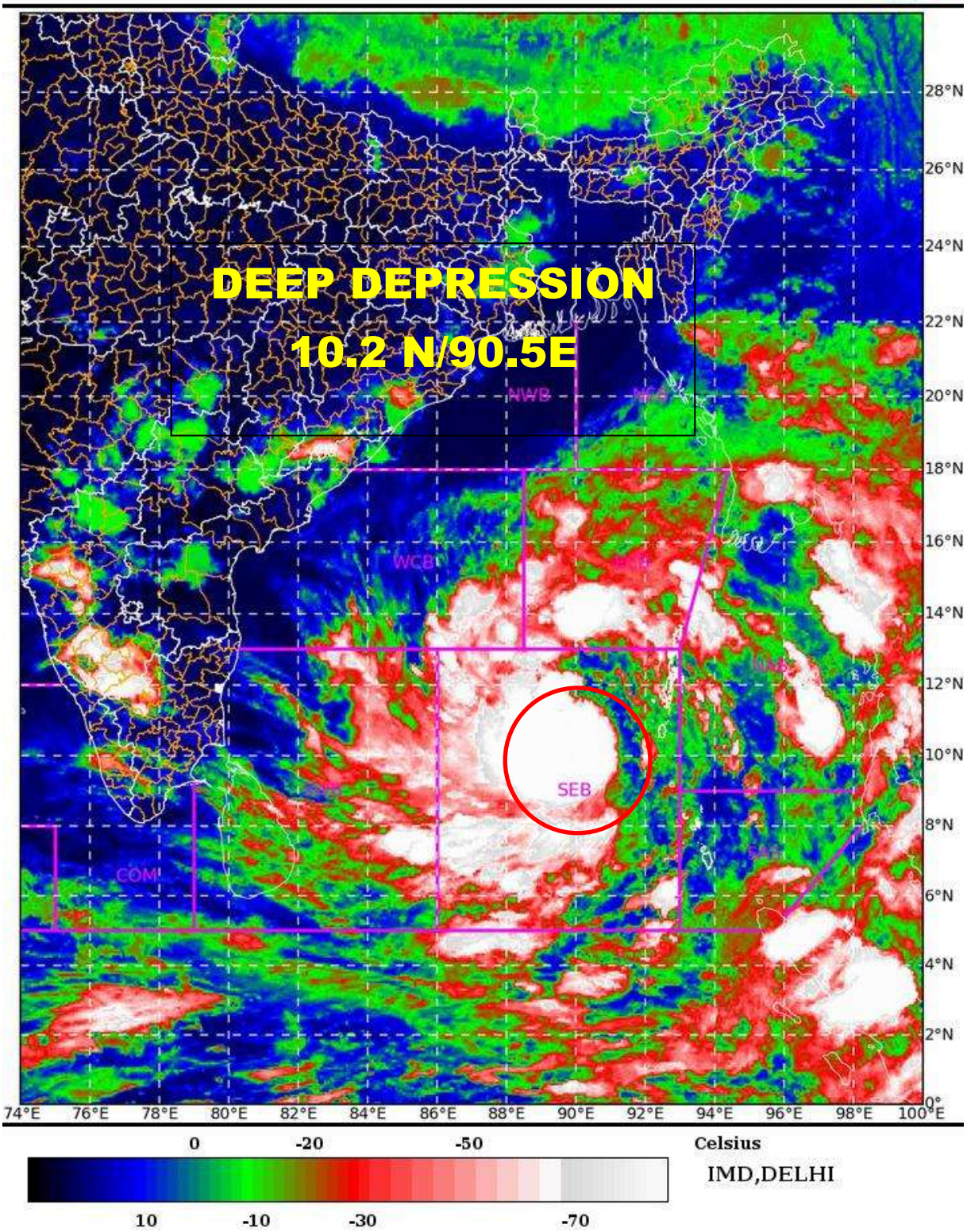
Copy to: ACWC Kolkata/ ACWC Chennai/ CWC Bhubaneswarr/CWC Vishakhapatnam/MO Port Blair

LEGEND: **Heavy Rainfall**: 64.5 to 115.5mm, **Very Heavy Rainfall**: 115.6 to 204.4mm **Most Places**: more than 76% of total stations, **Isolated Places**: Less than 25% of total

SAT : INSAT-3D IMG 07-05-2022/(1500 to 1526) GMT

IMG_TIR1_TEMP 10.8 um 07-05-2022/(2030 to 2056) IST

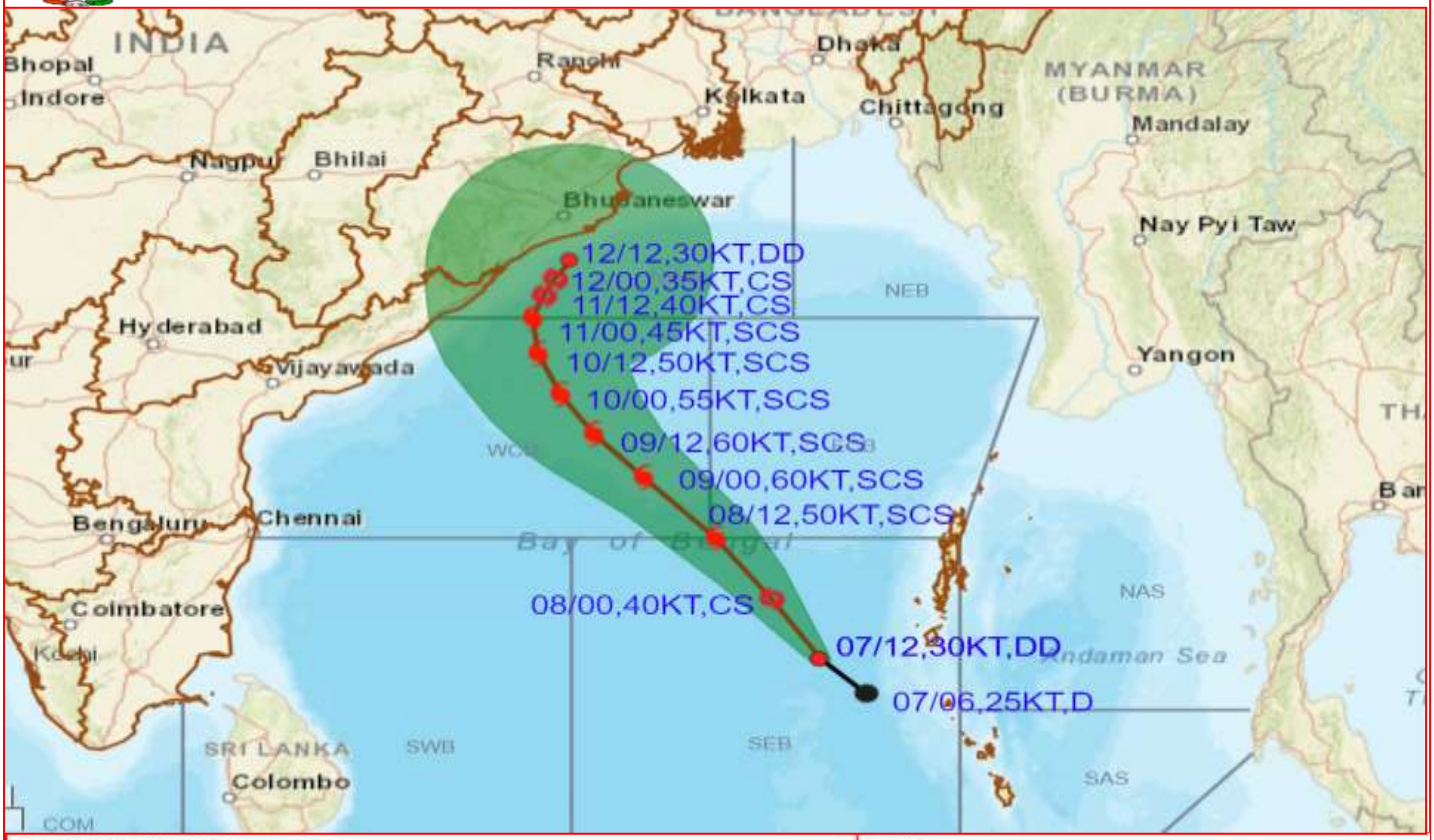
L1C Mercator



Celsius

IMD,DELHI

FORECAST TRACK AND INTENSITY ALONGWITH CONE OF UNCERTAINTY OVER SOUTHEAST BAY OF BENGAL BASED ON 1200 UTC OF 7TH MAY 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)

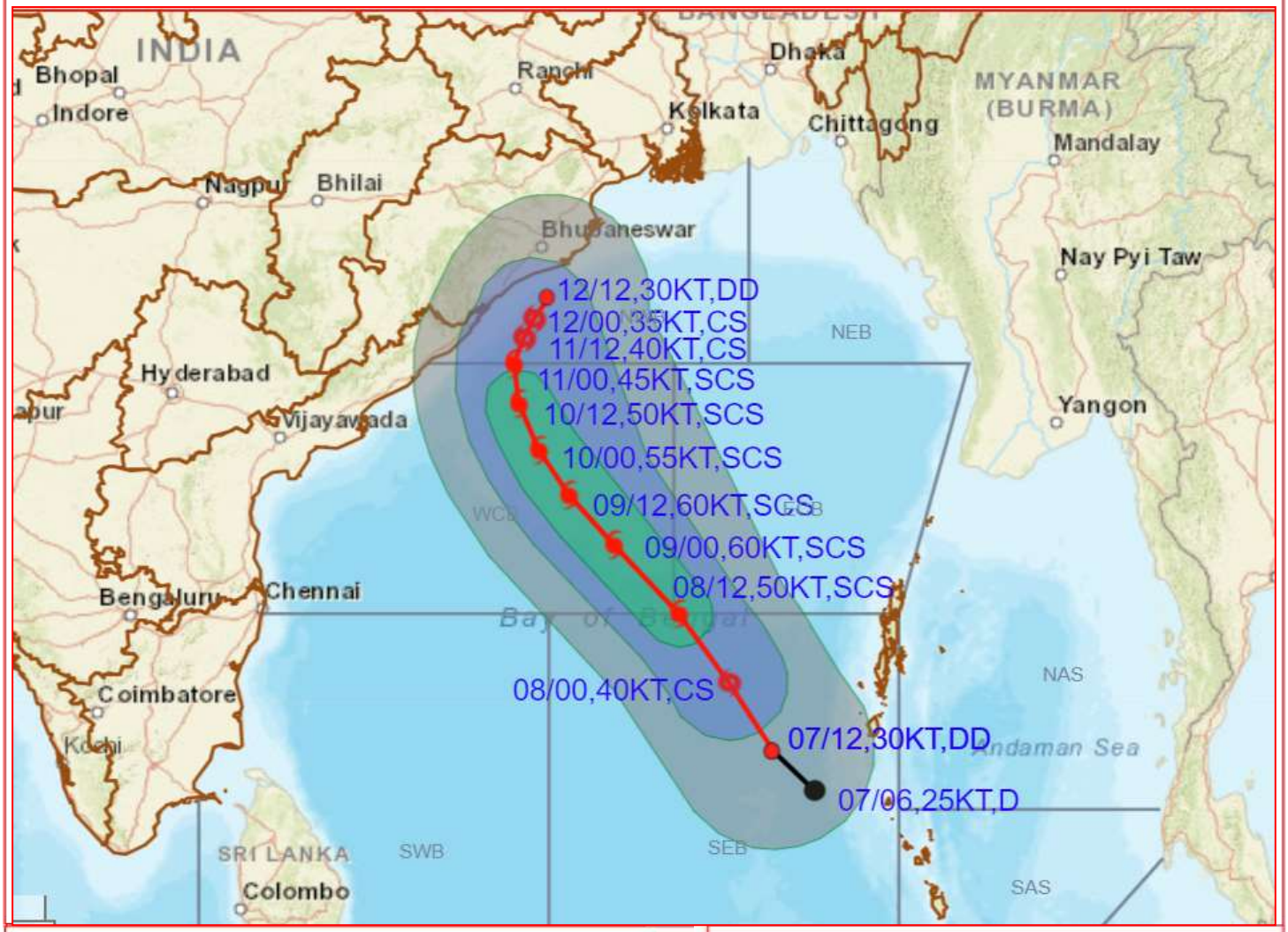
LESS THAN 34 KT
34-47 KT
≥ 48 KT
OBSERVED TRACK
FORECAST TRACK
CONE OF UNCERTAINTY

STATIONS	DISTANCE(KM) AND DIRECTION FROM STATIONS		
	07.05.22/1200	08.05.22/1200	09.05.22/1200
CAR NICOBAR	280,WNW	630,NW	990,NW
PORT BLAIR	290,SW	470,WNW	800,WNW
VISHAKHAPATNAM	1140,SE	770,SE	420,SE
PURI	1180,SSE	810,SSE	490,S

Forecast Date and Time	Lead Period	Lat	Lon	Station 1	Station 2	Station 3	Station 4	Station 5
07.05.22/1200	0	10.2	90.5	HUT BAY (228,W)	CAR NICOBAR (281,WNW)	PORT BLAIR (292,SW)	LONG ISLAND (363,SW)	MAYA BANDAR (401,SW)
08.05.22/0000	12	11.6	89.6	CAR NICOBAR (340,NW)	PORT BLAIR (342,W)	LONG ISLAND (374,WSW)	MAYA BANDAR (389,WSW)	NANCOWRY (446,NW)
08.05.22/1200	24	13	88.6	PORT BLAIR (468,WNW)	LONG ISLAND (472,W)	MAYA BANDAR (475,W)	NANCOWRY (508,NW)	KONDUL (629,NW)
09.05.22/0000	36	14.4	87.3	LONG ISLAND (553,WNW)	MAYA BANDAR (563,WNW)	NANCOWRY (565,NW)	KONDUL (600,NW)	PATHEIN (605,WSW)
09.05.22/1200	48	15.4	86.4	MAYA BANDAR (406,WNW)	NANCOWRY (417,NW)	KONDUL (419,NW)	PATHEIN (460,W)	BICTORIA POINT (465,WNW)
10.05.22/0000	60	16.3	85.8	NANCOWRY (287,NW)	KONDUL (307,NW)	PATHEIN (309,W)	BICTORIA POINT (344,WNW)	PHUKET AIRPORT (365,NW)
10.05.22/1200	72	17.2	85.4	KONDUL (184,NW)	PATHEIN (229,W)	BICTORIA POINT (230,WNW)	PHUKET AIRPORT (236,NW)	MERGUI (293,WNW)
11.05.22/0000	84	18	85.3	PATHEIN (129,W)	BICTORIA POINT (148,WNW)	PHUKET AIRPORT (208,NW)	MERGUI (214,WNW)	DAWEI (215,WNW)
11.05.22/1200	96	18.5	85.5	BICTORIA POINT (107,NW)	PHUKET AIRPORT (146,NW)	MERGUI (148,WNW)	DAWEI (198,WNW)	YANGON (224,WNW)
12.05.22/0000	108	18.9	85.7	PHUKET AIRPORT (95,NW)	MERGUI (101,WNW)	DAWEI (151,WNW)	YANGON (176,WNW)	YE (177,WNW)
12.05.22/1200	120	19.3	86	MERGUI (59,WNW	DAWEI (107,WNW)	YANGON (117,WNW)	YE (130,WNW)	SANDOWAY (132,W)

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 TRACK AND INTENSITY ALONGWITH QUADRANT WIND DISTRIBUTION OVER SOUTHEAST BAY OF BENGAL BASED ON 1200 UTC OF 7TH MAY 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)

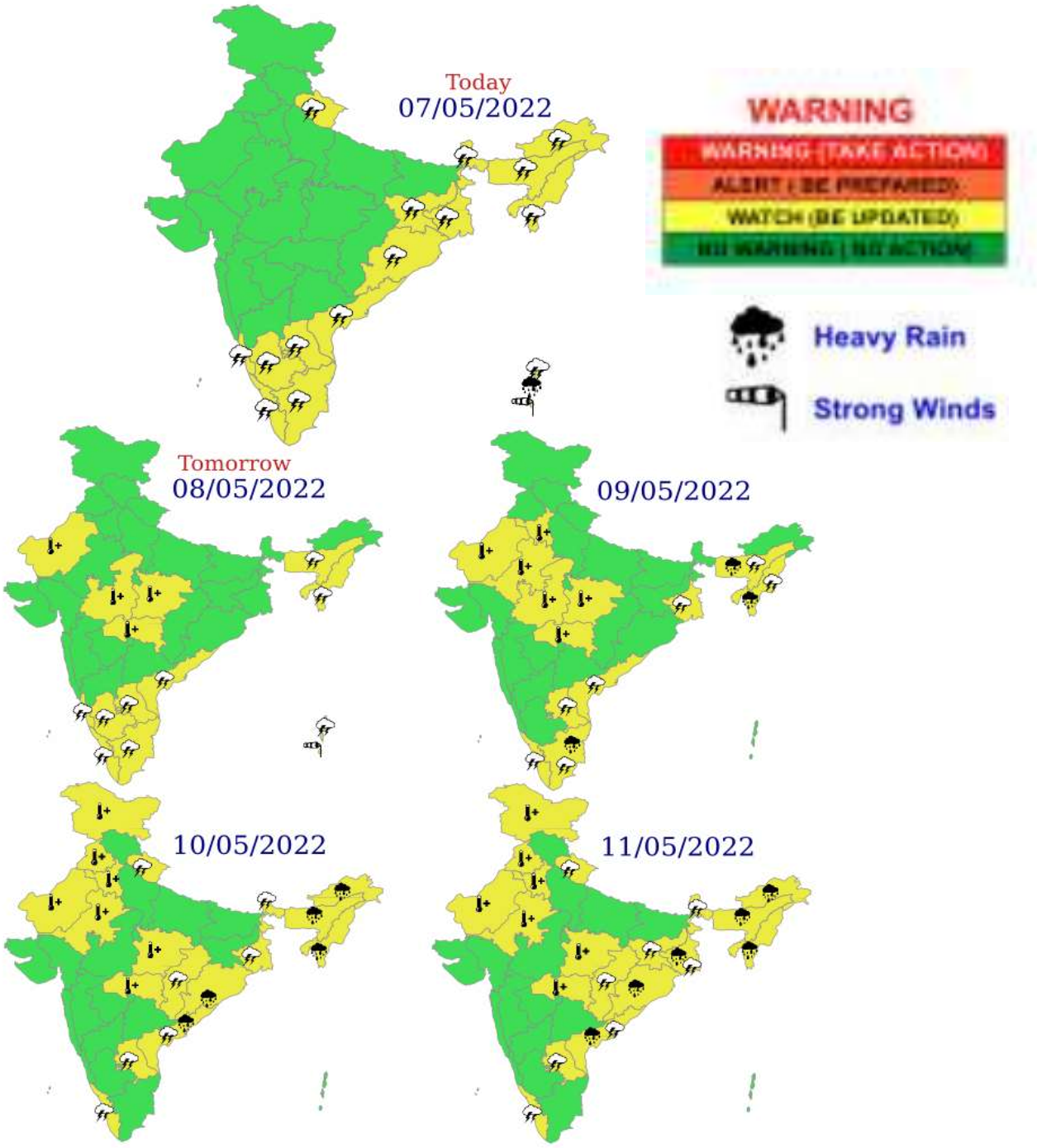
- LESS THAN 34 KT
- 34-47 KT
- ≥ 48 KT
- OBSERVED TRACK
- FORECAST TRACK
- CONE OF UNCERTAINTY

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

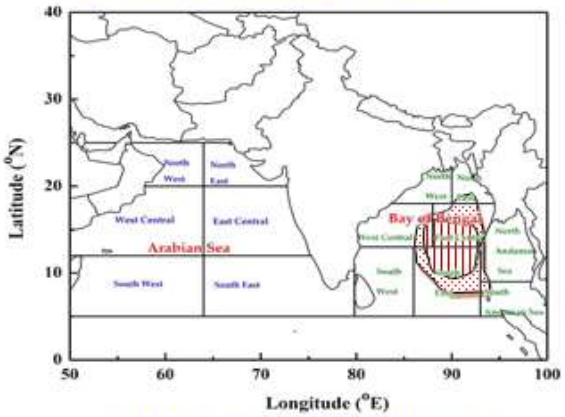
MSW (knot/kmph)	Impact	Action
28-33 (52-61)	Very rough seas	Total suspension of fishing operations
34-49 (62-91)	High to very high seas	Total suspension of fishing operations
50-63 (92-117)	Very high seas	Total suspension of fishing operations
≥ 64 (≥118)	Phenomenal	Total suspension of fishing operations

Heavy rainfall warning Graphics

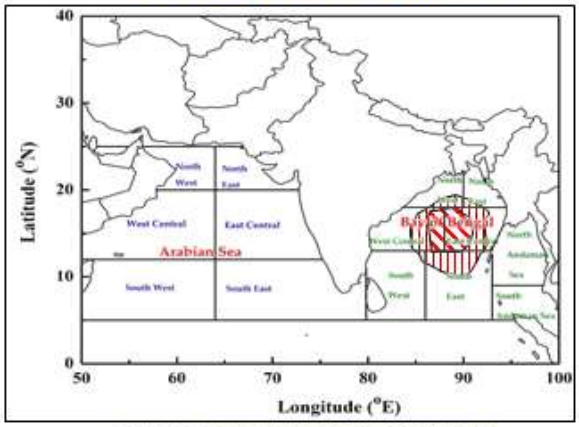


INDIA METEOROLOGICAL DEPARTMENT
FISHERMAN WARNING FOR BAY OF BENGAL AND ARABIAN SEA

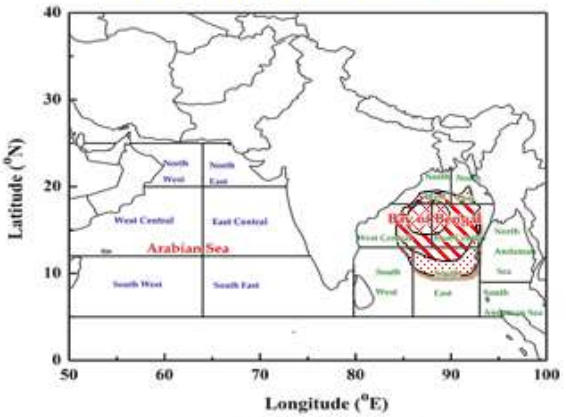
DAY-1: 07.05.2022/0600 UTC TO 08.05.2022/0600 UTC



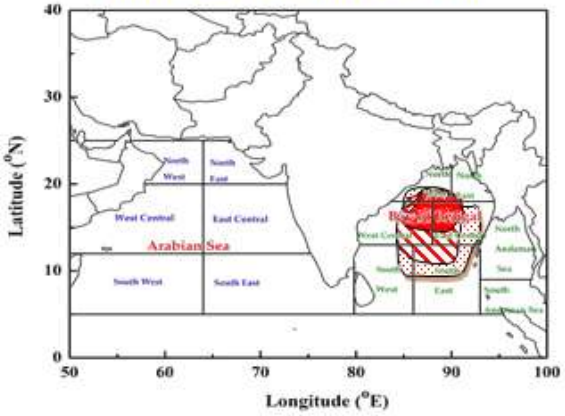
DAY-2: 08.05.2022/0600 UTC TO 09.05.2022/0600 UTC



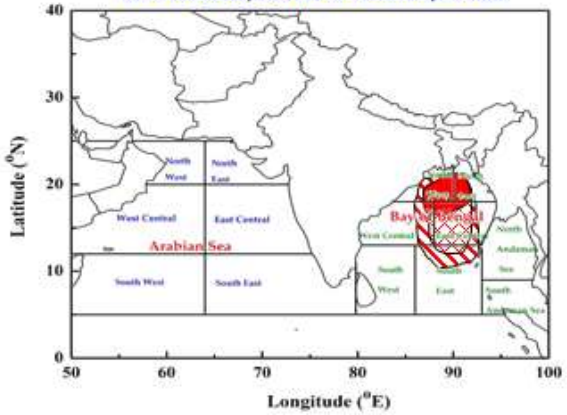
DAY-3-: 09.05.2022/0600 UTC TO 10.05.2022/0600 UTC



DAY-4 10.05.2022/0600 UTC TO 11.05.2022/0600 UTC



DAY-5 11.05.2022/0600 UTC TO 12..05.2022/0600 UTC



AREA UNDER FISHERMEN WARNING

- 40-50 KMPH GUSTING TO 60 KMPH (SQUALLY WEATHER)
- 45-55 KMPH GUSTING TO 65 KMPH (SQUALLY WEATHER)
- 55-65 KMPH GUSTING TO 75 KMPH
- 65-75 KMPH GUSTING TO 85 KMPH
- 70-80 KMPH GUSTING TO 90 KMPH
- 80-90 KMPH GUSTING TO 100 KMPH