



Government of India
India Meteorological Department
Regional Meteorological Centre, Alipore, Kolkata - 700027

BALLOON OBSERVATION :: Dated - Friday 24/05/2024

From :: Area Cyclone Warning Center Kolkata (Alipore Weather office)

To :: Portblair Radio , Kolkata Port Wireless , Directorate General of Shipping , Directorate General of Lighthouses And Lightships

Part One

TTT DEPRESSION WARNING BAY OF BENGAL 241200 UTC

Part Two

The Depression over Eastcentral Bay of Bengal moved north-northeastwards with a speed of 8 kmph during past 06 hours and lay centered at 1730 hrs IST of today, the 24th May, 2024 over Eastcentral Bay of Bengal near latitude 16.2°N and longitude 89.1°E, about 650 km south of Khepupara (Bangladesh), about 620 km south-southeast of Sagar Islands (West Bengal) and 670 km south of Canning (West Bengal). It is very likely to continue to move north-northeastwards and intensify into a Cyclonic Storm over eastcentral Bay of Bengal by 25th May morning. Subsequently, it would move nearly northwards, intensify into a Severe Cyclonic Storm by 25th night. Continuing to move nearly northwards, it is very likely to cross Bangladesh and adjoining West Bengal coasts between Sagar Island and Khepupara around 26th May midnight as a Severe Cyclonic Storm with wind speed of 110-120 gusting to 130 kmph. Southwest Monsoon has further advanced into some more parts of south Bay of Bengal, remaining parts of Andaman & Nicobar Islands, Andaman Sea and some parts of Eastcentral Bay of Bengal today, the 24th May, 2024. Southwest monsoon moderate to strong over andaman sea; strong to vigorous over some more parts of south bay and some parts of east central bay. Weather seasonal over rest bay of bengal. The Northern Limit of Monsoon continues to pass through 05°N/60°E, 06°N/70°E, 7°N/75°E, 8°/80°E, 11°N/85°E, 13.5°N/90°E and 17°N/95°E.

Part Three : Sea area forecast valid for 12 Hrs from 21 UTC of 24/05/2024

North Bay	Wind	NORTHEAST TO EASTERLY; 25 TO 30 KNOTS GUSTING TO 35 KNOTS
	Weather	FAIRLY WIDESPREAD RAIN OR THUNDERSHOWERS
	Visibility	MODERATE BECOMING POOR IN RAIN
	Sea condition	ROUGH TO VERY ROUGH BECOMING HIGH IN GUST
West Central Bay	Wind	CYCLONIC; 25 TO 30 KNOTS
	Weather	WIDESPREAD RAIN OR THUNDERSHOWERS
	Visibility	MODERATE BECOMING POOR TO VERY POOR IN HEAVY TO VERY HEAVY RAIN
	Sea condition	ROUGH TO VERY ROUGH
East Central Bay(WEST OF LONG. 92° EAST)	Wind	CYCLONIC; 30 TO 35 KNOTS GUSTING TO 40 KNOTS
	Weather	WIDESPREAD RAIN OR THUNDERSHOWERS
	Visibility	MODERATE BECOMING POOR TO VERY POOR IN HEAVY TO VERY HEAVY RAIN
	Sea condition	VERY ROUGH TO HIGH
South Bay	Wind	MAINLY SOUTHWESTERLY; 25 TO 30 KNOTS GUSTING TO 35 KNOTS
	Weather	WIDESPREAD RAIN OR THUNDERSHOWERS
	Visibility	MODERATE BECOMING POOR IN HEAVY RAIN
	Sea condition	ROUGH TO VERY ROUGH BECOMING HIGH IN GUST
Andaman Sea(WEST OF LONG. 95° EAST)	Wind	SOUTH TO SOUTHWESTERLY; 20 TO 25 KNOTS GUSTING TO 30 KNOTS
	Weather	WIDESPREAD RAIN OR THUNDERSHOWERS
	Visibility	MODERATE BECOMING POOR IN HEAVY RAIN
	Sea condition	MODERATE TO ROUGH BECOMING VERY ROUGH IN GUST

Part Four

NIL

Part Five

NIL

Part Six

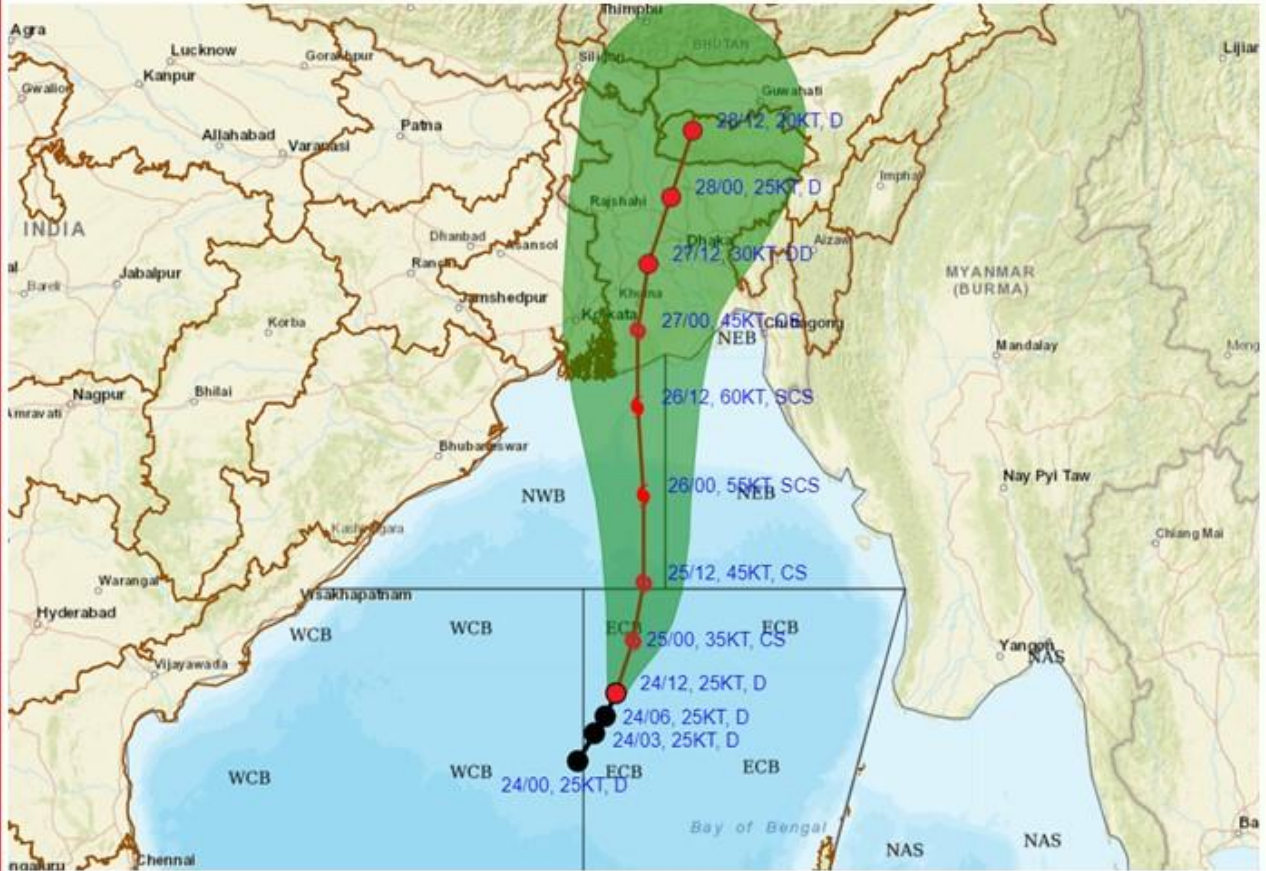
PART-SIX 02412 99942 807 32596 51603 10346 49984 811 31596 61802 10302 49985 901 31596
60504 10310 49990 806 21496 60000 10300 49990 903 32996 50004 10302 49986 895 32596
60902 10330 49989 976 21595 70501 10296 49993
99943 049 32496 73204 10312 49990 053 22596 70504 10334 49985 105 32597 60708 10316
49978 150 31596 70000 10314 49996 185 32597 61605 10334 49976 245 32597 21106 10360
49976 346 32597 72306 10321 49989 279 32597 71405 10348 49985

TOO : 21.30 IST 24/05/2024

Duty Officer
For head
Area Cyclone Warning Centre, Kolkata, 24/05/2024



FORECAST TRACK ALONGWITH CONE OF UNCERTAINTY IN ASSOCIATION WITH DEPRESSION OVER EASTCENTRAL BAY OF BENGAL BASED ON 1200 UTC (1730 IST) OF 24TH MAY 2024.



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

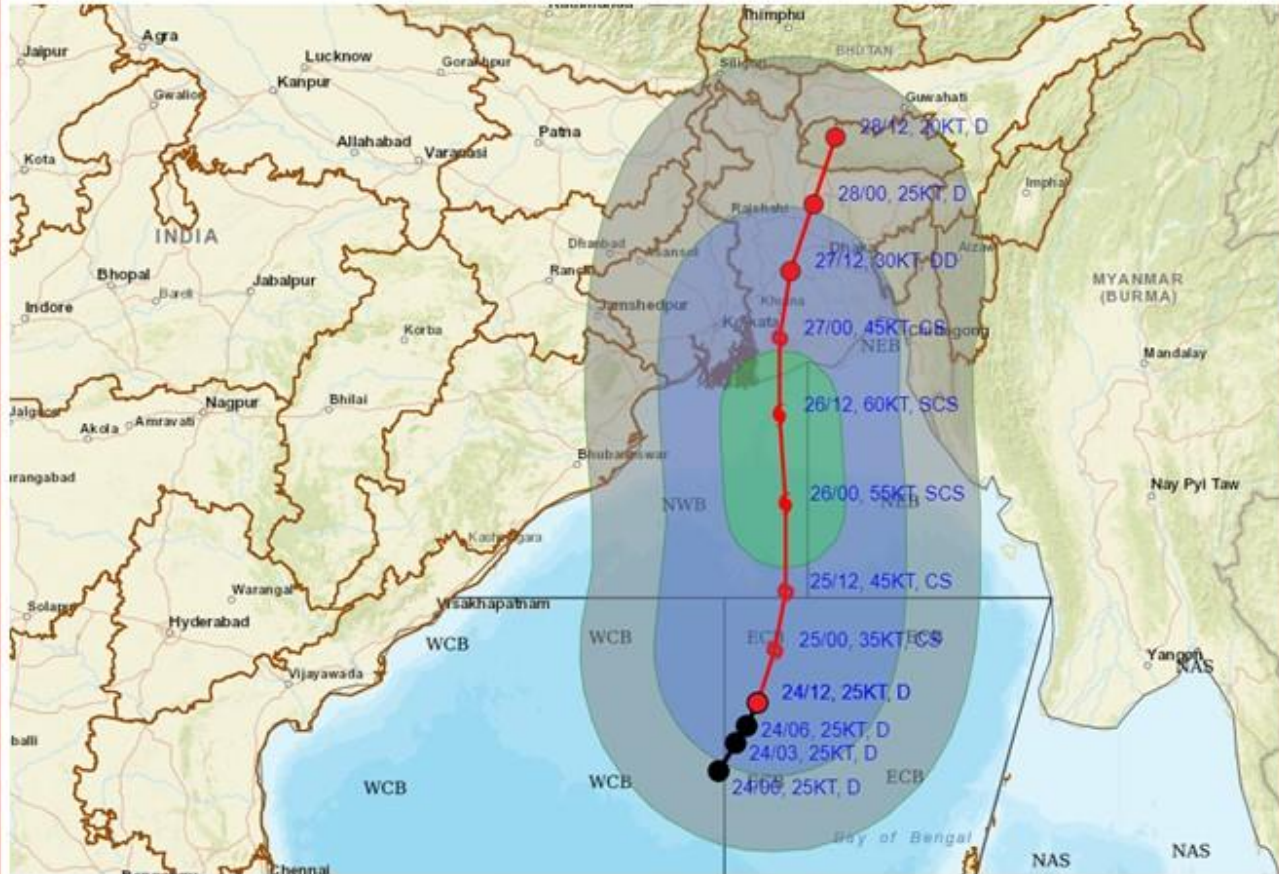
— FORECAST TRACK

▲ CONE OF UNCERTAINTY

Forecast	DISTANCE (KM) AND DIRECTION FROM STATIONS		
Date and Time (UTC)	Canning	Khepupara	Sagar Island
24.05.24/1200	670, S	650, S	620, S
25.05.24/1200	470, SSE	430, S	430, SSE
26.05.24/1200	160, SE	130, SW	160, ESE



FORECAST TRACK ALONGWITH QUADRANT WIND DISTRIBUTION IN ASSOCIATION WITH DEPRESSION OVER EASTCENTRAL BAY OF BENGAL BASED ON 1200 UTC (1730 IST) OF 24TH MAY 2024.



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