

GLOBAL MARITIME 232230 IST

DATE/TIME OF ISSUE: 23-10-2024/1700 UTC

GMDSS BULLETIN II 231800

ISSUED BY: INDIA METEOROLOGICAL DEPARTMENT, NEW DELHI

HIGH SEA FORECAST FOR MET. AREA VIII (N)

AREA OF COVERAGE: AREA OF THE INDIAN OCEAN ENCLOSED BY LINES FROM THE INDO-PAKISTAN FRONTIER AT 23°45'N 68 DEG E TO 00 DEG N 6 DEG E, THENCE TO CAPE GARDAFUI; THE EAST AFRICAN COAST SOUTH TO THE EQUATOR, THENCE TO 95 DEG E, TO 6 DEG N, THENCE NORTH EASTWARDS TO MYANMAR/THAIL FRONTIER IN 10 DEG N 98 DEG 30'E NORTHWARDS COVERING ENTIRE BAY OF BENGAL.

VALID FROM 18 UTC OF 23<sup>RD</sup> OCTOBER 2024 TO 12 UTC OF 25<sup>TH</sup> OCTOBER 2024.

**PART-I STORM WARNING:**

**CYCLONIC STORM OVER EASTCENTRAL BAY OF BENGAL (CYCLONE ALERT FOR ODISHA AND WEST BENGAL COASTS: **ORANGE MESSAGE**)**

THE CYCLONIC STORM "DANA" (PRONOUNCED AS DANA) OVER EASTCENTRAL BAY OF BENGAL MOVED NORTHWESTWARDS WITH A SPEED OF 15 KMPH DURING PAST 6 HOURS AND LAY CENTRED AT 0830 HRS IST OF TODAY, THE 23<sup>RD</sup> OCTOBER, OVER THE SAME REGION NEAR LATITUDE 16.5° N AND LONGITUDE 89.6°E, ABOUT 520 KM SOUTHEAST OF PARADIP (ODISHA), 600 KM SOUTH-SOUTHEAST OF SAGAR ISLAND (WEST BENGAL) AND 610 KM SOUTH-SOUTHEAST OF KHEPUPARA (BANGLADESH).

IT IS VERY LIKELY TO MOVE NORTHWESTWARDS AND INTENSIFY INTO A SEVERE CYCLONIC STORM OVER NORTHWEST BAY OF BENGAL BY EARLY MORNING OF 24TH AND CROSS NORTH ODISHA AND WEST BENGAL COASTS BETWEEN PURI AND SAGAR ISLAND CLOSE TO BHITARKANIKA AND DHAMARA (ODISHA) DURING NIGHT OF 24TH TO MORNING OF 25TH OCTOBER, 2024 AS A SEVERE CYCLONIC STORM WITH A WIND SPEED OF 100-110 KMPH GUSTING 120 KMPH.

**FUTURE POSITION, DATE AND INTENSITY OF THE SYSTEM ARE GIVEN BELOW:**

DATE/TIME (IST)	POSITION (LAT. °N/LONG. °E)	MAXIMUM SUSTAINED SURFACE WIND SPEED (KMPH)
23.10.24/1130	16.8/89.3	70-80 GUSTING TO 90
23.10.24/1730	17.4/88.8	80-90 GUSTING TO 100
23.10.24/2330	18.1/88.4	90-100 GUSTING TO 110
24.10.24/0530	18.8/88.1	100-110 GUSTING TO 120
24.10.24/1730	20.0/87.4	100-110 GUSTING TO 120
25.10.24/0530	20.9/86.8	100-110 GUSTING TO 120
25.10.24/1730	21.5/86.1	80-90 GUSTING TO 100
26.10.24/0530	21.7/85.3	45-55 GUSTING TO 85

**QUADRANT WIND INFORMATION:**

**23.10.2024/1200:**

WINDSPEEDS REACHING 27 KT AT AROUND 100 NM RADIUS FROM THE CENTRE IN THE NW, QUADRANT, 90 NM FROM THE CENTRE IN THE NE QUADRANT, EXTENDING UP TO 150 NM & 180 NM IN THE SW, SE QUADRANTS RESPECTIVELY.

GALE WINDS REACHING 34 KT AT AROUND 75 NM RADIUS FROM THE CENTRE IN THE NW QUADRANTS AND EXTENDING UP TO 90 NM IN THE NE QUADRANT, ABOUT 85 NM IN THE SW, SE QUADRANTS.

**23.10.2024/1800:**

WINDSPEEDS REACHING 27 KT AT AROUND 100 NM RADIUS FROM THE CENTRE IN THE NW, QUADRANT, 100 NM FROM THE CENTRE IN THE NE QUADRANT, EXTENDING UP TO 150 NM & 200 NM IN THE SW, SE QUADRANTS RESPECTIVELY.

GALE WINDS REACHING 34 KT AT AROUND 75 NM RADIUS FROM THE CENTRE IN THE NW, QUADRANT, 85 NM IN THE SW QUADRANT, AND EXTENDING UP TO 100 NM IN THE NE, SE QUADRANTS.

GALE WINDS REACHING 50 KT AT AROUND 50 NM RADIUS FROM THE CENTRE IN THE NW, SW QUADRANTS, AND EXTENDING UP TO 70 NM IN THE NE, SE QUADRANTS.

**24.10.2024/0000:**

WINDSPEEDS REACHING 27 KT AT AROUND 100 NM RADIUS FROM THE CENTRE IN THE NW, NE QUADRANTS AND EXTENDING UP TO 150 NM IN THE SW, 200 NM IN THE SE QUADRANTS. GALE WINDS REACHING 34 KT AT AROUND 75 NM RADIUS FROM THE CENTRE IN THE NW, QUADRANT, 85 SW IN THE SW QUADRANT, AND EXTENDING UP TO 100 NM IN THE NE, SE QUADRANTS.

GALE WINDS REACHING 50 KT AT AROUND 50 NM RADIUS FROM THE CENTRE IN THE NW, SW QUADRANTS, AND EXTENDING UP TO 70 NM IN THE NE, SE QUADRANTS.

**24.10.2024/1200:**

WINDSPEEDS REACHING 27 KT AT AROUND 100 NM RADIUS FROM THE CENTRE IN THE NW, QUADRANT, 100 NM FROM THE CENTRE IN THE NE QUADRANT, EXTENDING UP TO 150 NM & 200 NM IN THE SW, SE QUADRANTS RESPECTIVELY.

GALE WINDS REACHING 34 KT AT AROUND 75 NM RADIUS FROM THE CENTRE IN THE NW, QUADRANT, 85 SW IN THE NW QUADRANT, AND EXTENDING UP TO 100 NM IN THE NE, SE QUADRANTS.

GALE WINDS REACHING 50 KT AT AROUND 50 NM RADIUS FROM THE CENTRE IN THE NW, SW QUADRANTS, AND EXTENDING UP TO 70 NM IN THE NE, SE QUADRANTS.

**25.10.2024/0000:**

WINDSPEEDS REACHING 27 KT AT AROUND 100 NM RADIUS FROM THE CENTRE IN THE NW, QUADRANT, 100 NM FROM THE CENTRE IN THE NE QUADRANT, EXTENDING UP TO 160 NM & 200 NM IN THE SW, SE QUADRANTS RESPECTIVELY.

GALE WINDS REACHING 34 KT AT AROUND 75 NM RADIUS FROM THE CENTRE IN THE NW, QUADRANT, 85 NM IN THE NE QUADRANT, AND EXTENDING UP TO 100 NM IN THE SW, SE QUADRANTS.

GALE WINDS REACHING 50 KT AT AROUND 50 NM RADIUS FROM THE CENTRE IN THE NW, SW QUADRANTS, AND EXTENDING UP TO 70 NM IN THE NE, SE QUADRANTS.

**25.10.2024/1200:**

WINDSPEEDS REACHING 27 KT AT AROUND 100 NM RADIUS FROM THE CENTRE IN THE NW, QUADRANT, 80 NM FROM THE CENTRE IN THE NE QUADRANT, EXTENDING UP TO 160 NM & 180 NM IN THE SW, SE QUADRANTS RESPECTIVELY.

GALE WINDS REACHING 34 KT AT AROUND 75 NM RADIUS FROM THE CENTRE IN THE NW, NE QUADRANTS, AND EXTENDING UP TO 85 NM IN THE SW, SE QUADRANTS.

**PART-II SYNOPTIC WEATHER SYSTEM AT 1200 UTC:**

THE UPPER AIR CYCLONIC CIRCULATION OVER COMORIN AREA & NEIGHBOURHOOD EXTENDING UPTO 5.8 KM ABOVE MEAN SEA LEVEL PERSISTS.

**PART-III AREA FORECAST:**

**AREA: ARB A1 (ARABIAN SEA)-EQUATOR TO 10 DEG N W OF 80 DEG E.**

**ARB A1-FORECAST VALID FROM 18 UTC OF 23<sup>RD</sup> OCT 2024 TO 12 UTC OF 24<sup>TH</sup> OCT 2024.**

I) WIND DIRECTION AND SPEED: SW-LY 05/15 KTS BEC CYCLONIC 05/10 KTS  
AT 66 DEG E AND 8 DEGN.

II) WAVE HEIGHT: 1.0-1.5 M.

III) WEATHER: 1) E OF 54 DEG E: WIDESPREAD RA/T.S.

2) REST AREA: FAIR.

IV) VISIBILITY: 1) E OF 54 DEG E: VERY POOR.

2) REST AREA: GOOD.

**ARB A1-FORECAST VALID FROM 12 UTC OF 24<sup>TH</sup> OCT 2024 TO 12 UTC OF 25<sup>TH</sup> OCT 2024.**

- I) WIND DIRECTION AND SPEED: 1) W OF 70 DEG E: SW-LY 05/10 KTS BEC CYCLONIC 05/10 KTS.  
AT 63 DEG E AND 7 DEG N.  
3) REST AREA: SW-LY 10/15 KTS.
- II) WAVE HEIGHT: 1.0-1.5 M.
- III) WEATHER: 1) E OF 55 DEG E: WIDESPREAD RA/TS.  
2) REST AREA: FAIR.
- IV) VISIBILITY: 1) E OF 55 DEG E: VERY POOR.  
2) REST AREA: GOOD.

**ARB A2-ARABIAN SEA:-23 DEG 45 MIN N 68 DEG E TO 00 DEG N 63 DEG E TO CAPE GARDAFUI TO N OF 10 DEG N. 55**

**ARB A2-FORECAST VALID FROM 18 UTC OF 23<sup>RD</sup> OCT 2024 TO 12 UTC OF 24<sup>TH</sup> OCT 2024.**

- I) WIND DIRECTION AND SPEED: NW/N-LY 05/10 KTS BEC NE-LY 05/10 KTS TO THE S OF 21 DEG N.
- II) WAVE HEIGHT: 1.0-1.5 M.
- III) WEATHER: 1) S OF 15 DEG N TO THE E OF 58 DEG E: WIDESPREAD RA/TS.  
2) REST AREA: FAIR.
- IV) VISIBILITY: 1) S OF 15 DEG N TO THE E OF 58 DEG E: VERY POOR.  
2) REST AREA: GOOD.

**ARB A2-FORECAST VALID FROM 12 UTC OF 24<sup>TH</sup> OCT 2024 TO 12 UTC OF 25<sup>TH</sup> OCT 2024.**

- I) WIND DIRECTION AND SPEED: NW/N-LY 05/15 KTS BEC NE-LY 05/10 KTS TO THE S OF 20 DEG N.
- II) WAVE HEIGHT: 1.0-1.5 M.
- III) WEATHER: 1) S OF 15 DEG N TO THE E OF 60 DEG E: WIDESPREAD RA/TS.  
2) REST AREA: FAIR.
- IV) VISIBILITY: 1) S OF 15 DEG N TO THE E OF 60 DEG E: VERY POOR.  
2) REST AREA: GOOD.

**BOB A3-BAY OF BENGAL: EQUATOR TO 10 DEG N BETWEEN E OF 80 DEG E WEST OF 10 DEG N/98 DEG 30 MIN E TO 6 DEG N/95 DEG E THENCE S-WARDS TO EQUATOR.**

**BOB A3-FORECAST VALID FROM 18 UTC OF 23<sup>RD</sup> OCT 2024 TO 12 UTC OF 24<sup>TH</sup> OCT 2024.**

- I) WIND DIRECTION AND SPEED: SW-LY 10/20 KTS.
- II) WAVE HEIGHT: 1.5-2.5 M.
- III) WEATHER: 1) N OF 6 DEG N: WIDESPREAD RA/TS.  
2) REST AREA: ISOLATED RA/TS.
- IV) VISIBILITY: 1) N OF 6 DEG N: VERY POOR.  
2) REST AREA: GOOD.

**BOB A3-FORECAST VALID FROM 12 UTC OF 24<sup>TH</sup> OCT 2024 TO 12 UTC OF 25<sup>TH</sup> OCT 2024.**

- I) WIND DIRECTION AND SPEED: SW/W-LY 05/15 KTS BEC NW/N-LY 05/10 KTS TO THE E OF 90 DEG E.
- II) WAVE HEIGHT: 1.0-2.5 M.
- III) WEATHER: 1) N OF 7 DEG N: FAIRLY WIDESPREAD RA/TS.  
2) REST AREA: ISOLATED RA/TS.
- IV) VISIBILITY: 1) N OF 7 DEG N: POOR.  
2) REST AREA: GOOD.

**BOB: A4: BAY OF BENGAL N OF 10 DEG N E OF 80 DEG E.**

**BOB A4-FORECAST VALID FROM 18 UTC OF 23<sup>RD</sup> OCT 2024 TO 12 UTC OF 24<sup>TH</sup> OCT 2024.**

- I) WIND DIRECTION AND SPEED: 1) N OF 15 DEG N: CYCLONIC 48/63 KTS AT 18.8 DEG N AND 88.8 DEG E.  
2) REST AREA: SW-LY 15/25 KTS.
- II) WAVE HEIGHT: 9.0-14.0 M.
- III) WEATHER: WIDESPREAD RA/TS.
- IV) VISIBILITY: VERY POOR.

**BOB A4-FORECAST VALID FROM 12 UTC OF 24<sup>TH</sup> OCT 2024 TO 12 UTC OF 25<sup>TH</sup> OCT 2024.**

- I) WIND DIRECTION AND SPEED: 1) N OF 15 DEG N: CYCLONIC 48/63 KTS AT 20.9 DEG N AND 86.9 DEG E.  
2) REST AREA: SW-LY 15/25 KTS.
- II) WAVE HEIGHT: 9.0-14.0 M.
- III) WEATHER: 1) N OF 19 DEG N: WIDESPREAD RA/TS.  
2) S OF 13 DEG N: WIDESPREAD RA/TS.

- 3) REST AREA: ISOLATED RA/TS.
- IV) VISIBILITY: 1) N OF 19 DEG N: VERY POOR
- 2) S OF 13 DEG N: VERY POOR
- 3) REST AREA: GOOD.

ADVISORY: PLEASE BE AWARE. WIND WAVE FORECASTS ARE AVERAGES. WIND GUSTS CAN BE 40 PER CENT STRONGER THAN THE FORECAST. MAXIMUM WAVE HEIGHT CAN BE TWICE THE FORECAST WAVE HEIGHT.

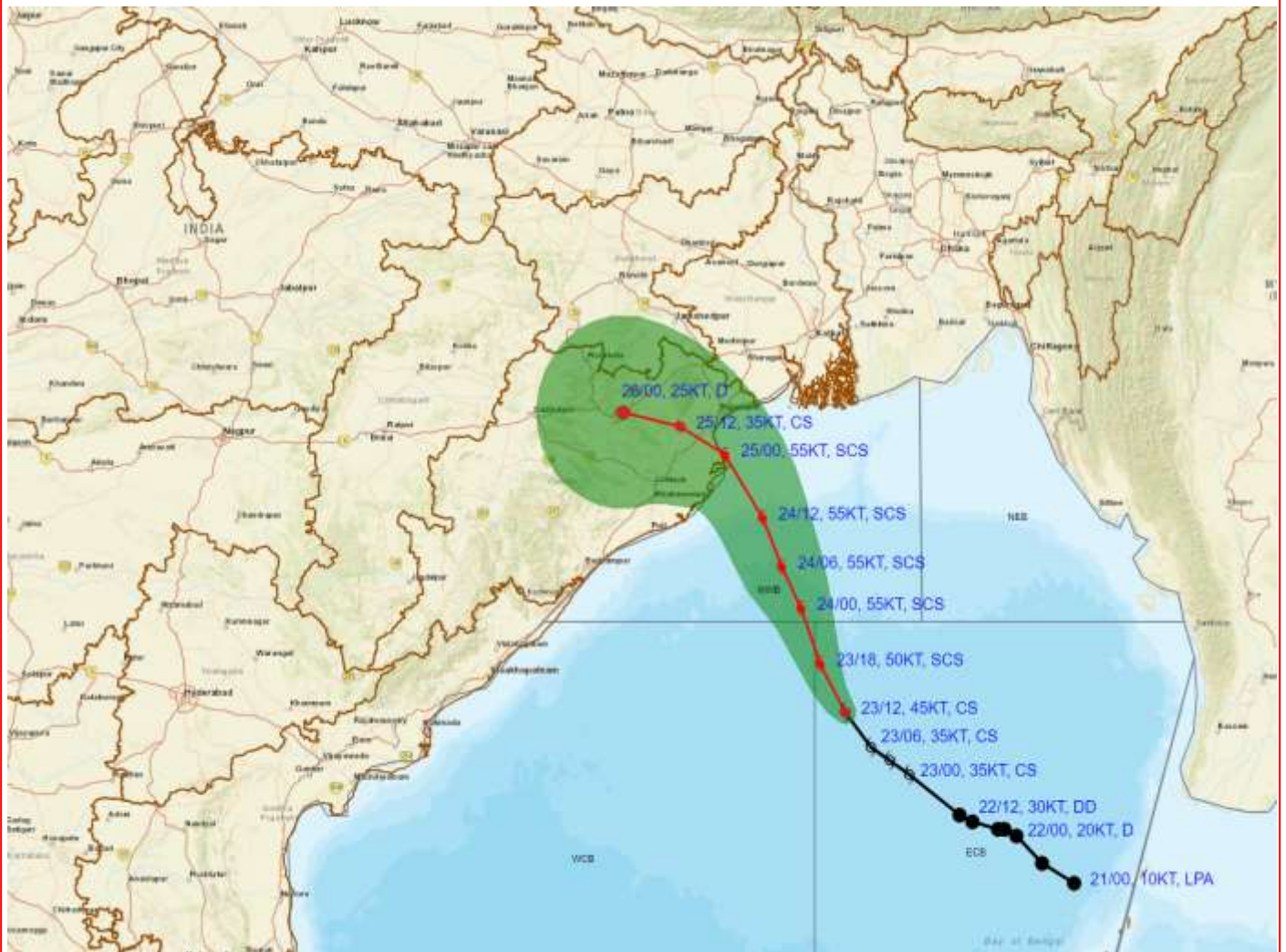
NEXT FORECAST WILL BE ISSUED AT 24/0800 UTC.

=====

TOO: 23/2230.



**OBSERVED AND FORECAST TRACK ALONGWITH CONE OF UNCERTAINTY OF CYCLONIC STORM 'DANA' OVER EASTCENTRAL AND ADJOINING WESTCENTRAL BAY OF BENGAL BASED ON 1200 UTC (1730 Hrs. IST) OF 23<sup>RD</sup> OCTOBER 2024**



DATE/TIME : IN UTC  
 IST : UTC + 0530  
 KT : NAUTICAL MILE S/HOUR = 1.85 KM/HOUR  
 LPA : 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 (48-63 KT)  
 VSCS : VERY SEVERE CYCLONIC STORM (64-89 KT)  
 ECS : EXTREMELY SEVERE CYCLONIC STORM (90-119 KT)  
 SuCS : SUPER CYCLONIC STORM ( $\geq 120$  KT)

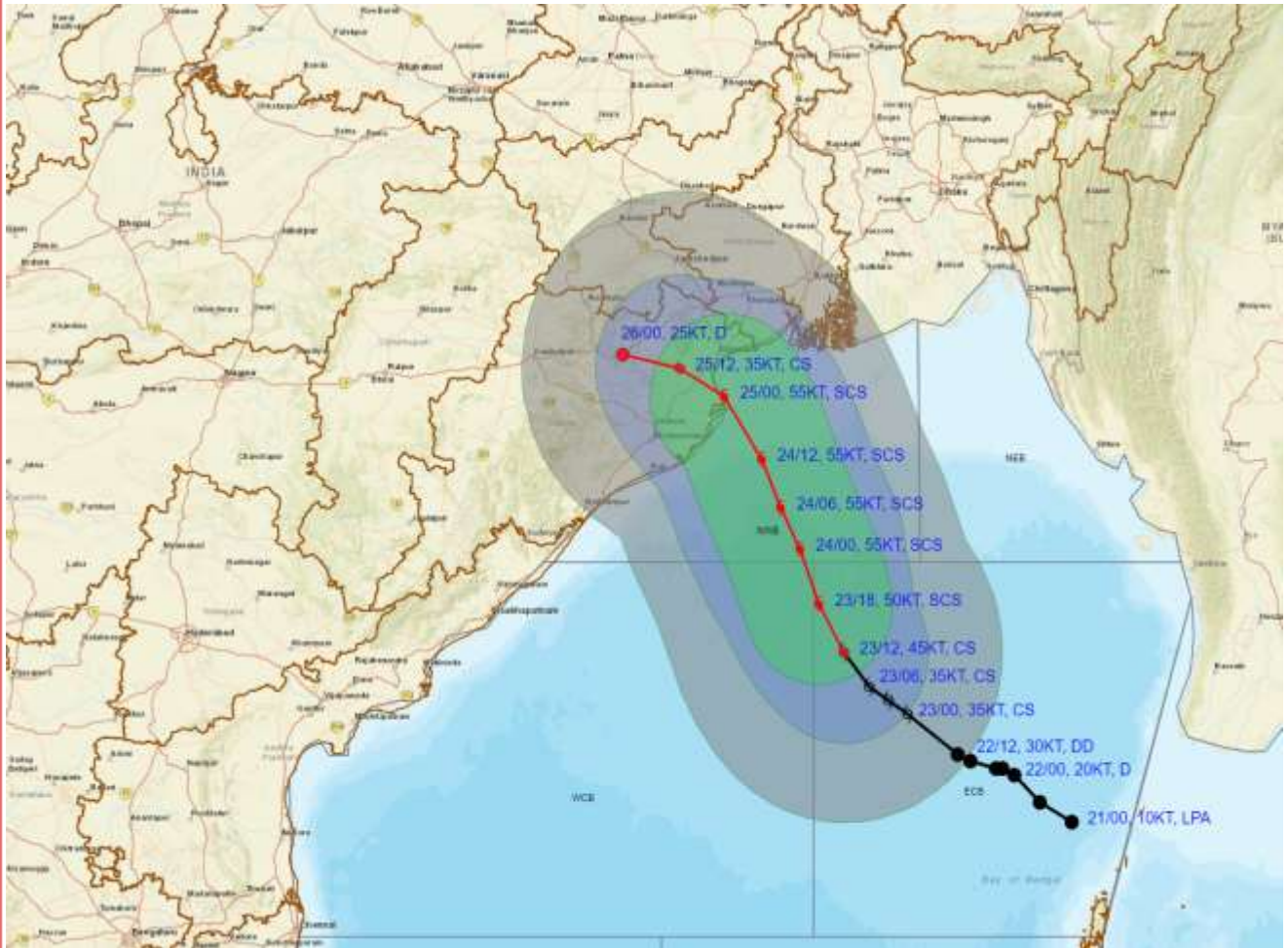
LESS THAN 34 KT  
 34-47 KT  
 $\geq 48$  KT  
 OBSERVED TRACK  
 FORECAST TRACK  
 CONE OF UNCERTAINTY

Forecast	DISTANCE (KM) AND DIRECTION FROM STATIONS		
Date and Time (UTC)	PARADIP (CWR)	DHAMARA	SAGAR ISLAND
23.10.24/1200	420, SE	450, SSE	500, SSE
24.10.24/1200	100, ESE	120, SE	190, SSW
25.10.24/1200	120, NNW	80, NW	190, WSW





**OBSERVED AND FORECAST TRACK ALONGWITH QUADRANT WIND DISTRIBUTION OF CYCLONIC STORM 'DANA' OVER EASTCENTRAL AND ADJOINING WESTCENTRAL BAY OF BENGAL BASED ON 1200 UTC (1730 Hrs. IST) OF 23<sup>RD</sup> OCTOBER 2024**



DATE/TIME : IN UTC  
 IST : UTC + 0530  
 KT : NAUTICAL MILE S/HOUR = 1.85 KM/HOUR  
 LPA : 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 (48-63 KT)  
 VSCS : VERY SEVERE CYCLONIC STORM (64-89 KT)  
 E SCS : 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)  
 ■  $\geq 64$  ( $\geq 118$  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