

GLOBAL MARITIME 281000 IST

DATE/TIME OF ISSUE: 28-11-2024/0400 UTC

SPL GMDSS BULLETIN NO-8 280400

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 04 UTC OF 28<sup>TH</sup> NOVEMBER 2024 TO 12 UTC OF 29<sup>TH</sup> NOVEMBER 2024.

PART-I STORM WARNING: NIL.

PART-II SYNOPTIC WEATHER SYSTEM AT 0000 UTC:

**SUB: DEEP DEPRESSION OVER SOUTHWEST BAY OF BENGAL.**

THE DEEP DEPRESSION OVER SOUTHWEST BAY OF BENGAL MOVED NORTHWARDS WITH A SPEED OF 2 KMPH DURING PAST 06 HOURS AND LAY CENTRED AT 0530 HOURS IST OF TODAY, THE 28TH NOVEMBER 2024 OVER THE SAME REGION NEAR LATITUDE 9.1°N AND LONGITUDE 82.1°E, ABOUT 110 KM EAST-NORTHEAST OF TRINCOMALEE, 310 KM SOUTHEAST OF NAGAPPATTINAM, 410 KM SOUTHEAST OF PUDUCHERRY AND 480 KM SOUTH-SOUTHEAST OF CHENNAI.

IT IS VERY LIKELY TO MOVE NEARLY NORTH-NORTHWESTWARDS SKIRTING SRI LANKA COAST DURING NEXT 12 HOURS. THEREAFTER, IT WILL CONTINUE TO MOVE NORTH-NORTHWESTWARDS AND CROSS NORTH TAMIL NADU-PUDUCHERRY COASTS BETWEEN KARAİKAL AND MAHABALIPURAM AROUND MORNING OF 30TH NOVEMBER AS A DEEP DEPRESSION WITH A WIND SPEED OF 50-60 KMPH GUSTING TO 70 KMPH.

THERE IS A POSSIBILITY OF MARGINAL INTENSIFICATION OF THE DEEP DEPRESSION INTO A CYCLONIC STORM WITH WIND SPEED 65-75KMPH GUSTING TO 85 KMPH OVER SOUTHWEST BAY OF BENGAL DURING THE EVENING OF 28TH NOVEMBER TO MORNING OF 29TH NOVEMBER 2024.

**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)
28.11.24/0530	9.1./82.1	55-65 gusting to 75
28.11.24/1130	9.6/82.0	55-65 gusting to 75
28.11.24/1730	10.0/81.8	60-70 gusting to 80
28.11.24/2330	10.4/81.6	65-75 gusting to 85
29.11.24/0530	10.7/81.3	60-70 gusting to 80
29.11.24/1730	11.3/80.7	55-65 gusting to 75
30.11.24/0530	11.7/80.1	50-60 gusting to 70
30.11.24/1730	12.1/79.5	40-50 gusting to 60

**QUADRANT WIND FORECAST:**

28.11.24/0530:

WINDSPEEDS REACHING 27 KT AT AROUND 110 NM RADIUS FROM THE CENTRE IN THE NW QUADRANT, 150 NM FROM THE CENTRE IN THE NE QUADRANT, 90 NM & 100 NM FROM THE CENTRE IN THE SW, SE QUADRANTS RESPECTIVELY.

WINDSPEEDS REACHING 35 KT AT AROUND 55 NM RADIUS FROM THE CENTRE IN THE NW, NE QUADRANTS, 70 NM & 50 NM FROM THE CENTRE IN THE SW, SE QUADRANTS RESPECTIVELY.

28.11.24/1130:

WINDSPEEDS REACHING 27 KT AT AROUND 110 NM RADIUS FROM THE CENTRE IN THE NW QUADRANT, 150 NM FROM THE CENTRE IN THE NE QUADRANT, 90 NM & 100 NM FROM THE CENTRE IN THE SW, SE QUADRANTS RESPECTIVELY.

WINDSPEEDS REACHING 34 KT AT AROUND 55 NM RADIUS FROM THE CENTRE IN THE NW, NE QUADRANTS, 70 NM & 50 NM FROM THE CENTRE IN THE SW, SE QUADRANTS RESPECTIVELY.

28.11.24/1730:

WINDSPEEDS REACHING 27 KT AT AROUND 110 NM RADIUS FROM THE CENTRE IN THE NW QUADRANT, 150 NM FROM THE CENTRE IN THE NE QUADRANT, 90 NM & 100 NM FROM THE CENTRE IN THE SW, SE QUADRANTS RESPECTIVELY.

WINDSPEEDS REACHING 34 KT AT AROUND 55 NM RADIUS FROM THE CENTRE IN THE NW, NE QUADRANTS, 70 NM & 50 NM FROM THE CENTRE IN THE SW, SE QUADRANTS RESPECTIVELY.

29.11.24/0530:

WINDSPEEDS REACHING 27 KT AT AROUND 110 NM RADIUS FROM THE CENTRE IN THE NW QUADRANT, 150 NM FROM THE CENTRE IN THE NE QUADRANT, 90 NM & 100 NM FROM THE CENTRE IN THE SW, SE QUADRANTS RESPECTIVELY.

WINDSPEEDS REACHING 34 KT AT AROUND 55 NM RADIUS FROM THE CENTRE IN THE NW, NE QUADRANTS, 70 NM & 50 NM FROM THE CENTRE IN THE SW, SE QUADRANTS RESPECTIVELY.

29.11.24/1730:

WINDSPEEDS REACHING 27 KT AT AROUND 110 NM RADIUS FROM THE CENTRE IN THE NW QUADRANT, 150 NM FROM THE CENTRE IN THE NE QUADRANT, 90 NM & 100 NM FROM THE CENTRE IN THE SW, SE QUADRANTS RESPECTIVELY.

WINDSPEEDS REACHING 34 KT AT AROUND 55 NM RADIUS FROM THE CENTRE IN THE NW, NE QUADRANTS, 70 NM & 50 NM FROM THE CENTRE IN THE SW, SE QUADRANTS RESPECTIVELY.

PART-III AREA FORECAST:

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

**ARB A1-FORECAST VALID FROM 04 UTC OF 28<sup>TH</sup> NOV 2024 TO 12 UTC OF 28<sup>TH</sup> NOV 2024.**

I) WIND DIRECTION AND SPEED: 1) W OF 65 DEG E: NE/N-LY 05/15 KTS BEC NW/W-LY 05/15 KTS TO THE S OF 5 DEG N.

2) REST AREA: NW/W-LY15/20 KTS.

II) WAVE HEIGHT: 1.5-2.5 M.

III) WEATHER: 1) S OF 5 DEG N: WIDESPREAD RA/TS.

2) REST AREA: ISOLATED RA/TS.

IV) VISIBILITY: 1) S OF 5 DEG N: VERY POOR.

2) REST AREA: GOOD.

**ARB A1-FORECAST VALID FROM 12 UTC OF 28<sup>TH</sup> NOV 2024 TO 12 UTC OF 29<sup>TH</sup> NOV 2024.**

- I) WIND DIRECTION AND SPEED: 1) W OF 70 DEG E: NE/N-LY 10/15 KTS BEC NW/W-LY 10/15 KTS TO THE S OF 5 DEG N.  
2) REST AREA: NW/W-LY 10/15 KTS.
- II) WAVE HEIGHT: 1.5-3.5 M.
- III) WEATHER: 1) S OF 4 DEG N: FAIRLY WIDESPREAD RA/TS.  
2) REST AREA: ISOLATED RA/TS.
- IV) VISIBILITY: 1) S OF 4 DEG N: 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 04 UTC OF 28<sup>TH</sup> NOV 2024 TO 12 UTC OF 28<sup>TH</sup> NOV 2024.**

- I) WIND DIRECTION AND SPEED: NE-LY 05/15 KTS.
- II) WAVE HEIGHT: 0.5-2.0 M.
- III) WEATHER: FAIR.
- IV) VISIBILITY: GOOD.

**ARB A2-FORECAST VALID FROM 12 UTC OF 28<sup>TH</sup> NOV 2024 TO 12 UTC OF 29<sup>TH</sup> NOV 2024.**

- I) WIND DIRECTION AND SPEED: NE/N-LY 10/15 KTS.
- II) WAVE HEIGHT: 0.5-2.0 M.
- III) WEATHER: FAIR.
- IV) VISIBILITY: 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 04 UTC OF 28<sup>TH</sup> NOV 2024 TO 12 UTC OF 28<sup>TH</sup> NOV 2024.**

- I) WIND DIRECTION AND SPEED: CYCLONIC 35/40 KTS AT 81.8 DEG E AND 10.0 DEG N.
- II) WAVE HEIGHT: 6.0-9.0 M.
- III) WEATHER: 1) W OF 90 DEG E: WIDESPREAD RA/TS.  
2) REST AREA: SCATTERED RA/TS.
- IV) VISIBILITY: 1) W OF 90 DEG E: VERY POOR.  
2) REST AREA: MODERATE.

**BOB A3-FORECAST VALID FROM 12 UTC OF 28<sup>TH</sup> NOV 2024 TO 12 UTC OF 29<sup>TH</sup> NOV 2024.**

- I) WIND DIRECTION AND SPEED: 1) W OF 85 DEG E: SW/S-LY 20/30 KTS.  
2) S OF 5 DEG N TO THE E OF 90 DEG E: NW-LY 05/10 KTS.  
3) REST AREA: E/SE-LY 15/20 KTS.
- II) WAVE HEIGHT: 4.0-6.0 M.
- III) WEATHER: WIDESPREAD RA/TS.
- IV) VISIBILITY: VERY POOR.

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

**BOB A4-FORECAST VALID FROM 04 UTC OF 28<sup>TH</sup> NOV 2024 TO 12 UTC OF 28<sup>TH</sup> NOV 2024.**

- I) WIND DIRECTION AND SPEED: 1) S OF 15 DEG N: E/SE-LY 15/25 KTS BEC CYCLONIC. 30/35 KTS AT 81.8 DEG E AND 10.0 DEG N.  
2) REST AREA: E/NE-LY 10/25 KTS.
- II) WAVE HEIGHT: 6.0-9.0 M.
- III) WEATHER: 1) W OF 93 DEG E: WIDESPREAD RA/TS.  
2) REST AREA: FAIR.
- IV) VISIBILITY: 1) W OF 93 DEG E: VERY POOR.  
2) REST AREA: GOOD.

**BOB A4-FORECAST VALID FROM 12 UTC OF 28<sup>TH</sup> NOV 2024 TO 12 UTC OF 29<sup>TH</sup> NOV 2024.**

- I) WIND DIRECTION AND SPEED: 1) S OF 20 DEG N: E/SE-LY 15/25 KTS BEC CYCLONIC. 25/30 KTS AT 11.3 DEG N AND 81.4 DEG E.  
2) REST AREA: NE-LY 10/15 KTS.
- II) WAVE HEIGHT: 4.0-6.0 M.
- III) WEATHER: 1) W OF 92 DEG E: WIDESPREAD RA/TS.  
2) REST AREA: ISOLATED RA/TS.

IV) VISIBILITY: 1) W OF 92 DEG E: VERY POOR.  
2) 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.

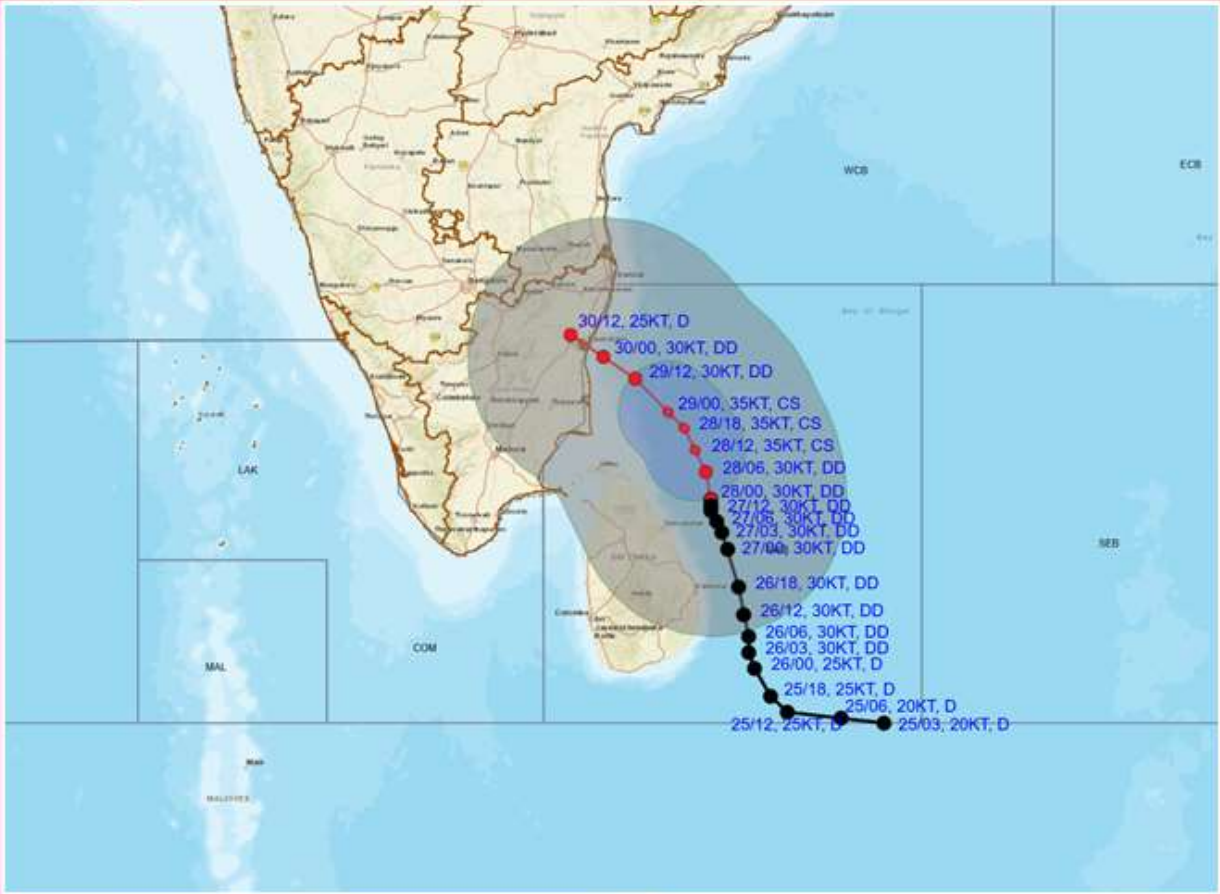
NEXT FORECAST WILL BE ISSUED AT 28/0800 UTC.

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TOO: 28/1000.



**OBSERVED AND FORECAST TRACK ALONGWITH QUADRANT WIND DISTRIBUTION OF DEEP DEPRESSION OVER SOUTHWEST BAY OF BENGAL BASED ON 0000 UTC (0530 HRS. IST) OF 28<sup>TH</sup> NOVEMBER, 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)

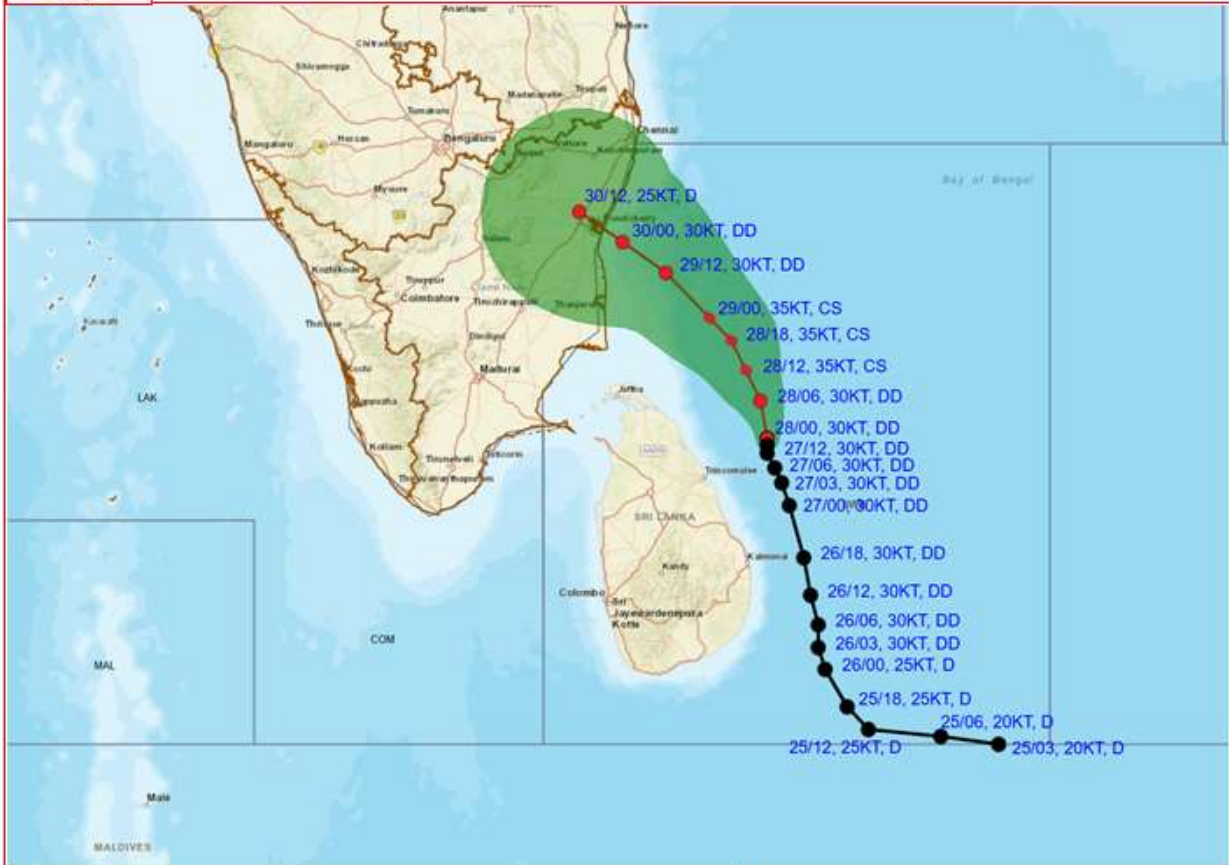
● LESS THAN 34 KT  
 ○ 34-47 KT  
 ◐  $\geq 48$  KT  
 — OBSERVED TRACK  
 — FORECAST TRACK  
 — CONE OF UNCERTAINTY  
 AREA OF MAXIMUM SUSTAINED WIND SPEED:  
 ■ 28-33 KT (52-61 KMPH)  
 ■ 34-49 KT (62-91 KMPH)  
 ■ 50-63 KT (92-117 KMPH)  
 ■  $\geq 64$  KT ( $\geq 118$  KMPH)

**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



**OBSERVED AND FORECAST TRACK ALONG WITH CONE OF UNCERTAINTY OF DEEP DEPRESSION OVER SOUTHWEST BAY OF BENGAL BASED ON 0000 UTC (0530 HRS. IST) OF 28<sup>TH</sup> NOVEMBER, 2024**



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 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

Forecast	DISTANCE (KM) AND DIRECTION FROM STATIONS				
Date and Time (UTC)	BATTICALOA	TRINCOMALEE	NAGAPPATTINAM	PUDUCHERRY	CHENNAI/MINAMBAKKAM
28.11.24/0000	160, NNE	110, ENE	310, SE	410, SE	480, SSE
29.11.24/0000	330, N	240, N	160, E	210, SE	280, SSE
30.11.24/0000	480, NNW	370, NNW	110, NNE	40, SE	140, S