

GLOBAL MARITIME 281930 IST

DATE/TIME OF ISSUE: 28-11-2024/1400 UTC

SPL GMDSS BULLETIN NO-10 281400

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 12 UTC OF 28<sup>TH</sup> NOVEMBER 2024 TO 12 UTC OF 30<sup>TH</sup> NOVEMBER 2024.

PART-I STORM WARNING: NIL.

PART-II SYNOPTIC WEATHER SYSTEM AT 1200 UTC:

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

THE DEEP DEPRESSION OVER SOUTHWEST BAY OF BENGAL MOVED NORTHEASTWARDS WITH A SPEED OF 10 KMPH DURING PAST 6 HOURS AND LAY CENTRED AT 1730 HOURS IST OF TODAY, THE 28TH NOVEMBER 2024 OVER THE SAME REGION NEAR LATITUDE 9.6°N AND LONGITUDE 82.7°E, ABOUT 200 KM NORTHEAST OF TRINCOMALEE, 340 KM EAST-SOUTHEAST OF NAGAPPATTINAM, 410 KM SOUTHEAST OF PUDUCHERRY AND 470 KM SOUTHEAST OF CHENNAI.

IT IS VERY LIKELY TO MOVE NEARLY NORTHWARDS AND MAINTAIN ITS INTENSITY OF DEEP DEPRESSION TILL MORNING OF 29TH NOVEMBER. THEREAFTER, IT WILL MOVE NORTHWESTWARDS, WEAKEN GRADUALLY INTO A DEPRESSION BY EVENING OF 29TH NOVEMBER. CONTINUING TO MOVE FURTHER NORTHWESTWARDS IT IS VERY LIKELY TO CROSS NORTH TAMIL NADU-PUDUCHERRY COASTS BETWEEN KARAİKAL AND MAHABALIPURAM AROUND MORNING OF 30TH NOVEMBER AS A DEPRESSION WITH A WIND SPEED OF 45-55 KMPH GUSTING TO 65 KMPH.

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

	CYCLONE_NAME	Hour	Date/Time	lat	lon	MSW(range)	Mean MSW (kmph)	MSW (kt)	Category	COU
<input type="checkbox"/>	DD	0	28.11.24/1200	9.6	82.7	55	55	30	DD	10
<input type="checkbox"/>	DD	6	28.11.24/1800	10.0	82.8	55-65	56	30	DD	20
<input type="checkbox"/>	DD	12	29.11.24/0000	10.5	82.5	55-65	56	30	DD	30
<input type="checkbox"/>	DD	18	29.11.24/0600	11	81.9	55-65	56	30	DD	40
<input type="checkbox"/>	D	24	29.11.24/1200	11.4	81.2	45-55	46	25	D	45
<input type="checkbox"/>	D	36	30.11.24/0000	11.7	80.3	45-55	46	25	D	55
<input type="checkbox"/>	D	48	30.11.24/1200	12.0	79.4	35-45	37	20	D	70

**QUADRANT WIND FORECAST:**

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 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 60 DEG E: NE/N-LY 05/15 KTS BEC NW-LY 05/15 KTS TO THE S OF 5 DEG N.  
2) REST AREA: NW/W-LY 10/20 KTS.

II) WAVE HEIGHT: 1.5-3.0 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 A1-FORECAST VALID FROM 12 UTC OF 29<sup>TH</sup> NOV 2024 TO 12 UTC OF 30<sup>TH</sup> NOV 2024.**

I) WIND DIRECTION AND SPEED: 1) W OF 60 DEG E: NE/N-LY 10/20 KTS.

2) REST AREA: N/NW-LY 10/15 KTS BEC W/SW-LY 10/20 KTS TO THE E OF 75 DEG E..

II) WAVE HEIGHT: 1.5-3.0 M.

III) WEATHER: 1) E OF 70 DEG E: SCATTERED RA/TS.

2) REST AREA: ISOLATED RA/TS.

IV) VISIBILITY: 1) E OF 70 DEG E: MODERATE.

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 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 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 29<sup>TH</sup> NOV 2024 TO 12 UTC OF 30<sup>TH</sup> NOV 2024.**

I) WIND DIRECTION AND SPEED: 1) N OF 20 DEG N: NW-LY 05/10 KTS BEC N/NW-LY 05/15 KTS TO THE S OF 23 DEG N.

2) S OF 20 DEG N TO THE E OF 70 DEG E: NE-LY 05/15 KTS BEC N/NW-LY 05/15 KTS TO THE S OF 15 DEG N.

3) REST AREA: NE/N-LY 05/15 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 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 90 DEG E: CYCLONIC 35/40 KTS AT 81.6 DEG E AND 10.4 DEG N.  
2) REST AREA: SW-LY 05/10 KTS BEC S/SE-LY 10/20 KTS TO THE N OF 5 DEG N.

II) WAVE HEIGHT: 6.0-9.0 M.

III) WEATHER: WIDESPREAD RA/TS.

IV) VISIBILITY: VERY POOR.

**BOB A3-FORECAST VALID FROM 12 UTC OF 29<sup>TH</sup> NOV 2024 TO 12 UTC OF 30<sup>TH</sup> NOV 2024.**

I) WIND DIRECTION AND SPEED: 1) W OF 85 DEG E: SW/S-LY 20/30 KTS.  
2) REST AREA: E/SE-LY 10/20 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 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. 35/40 KTS AT 81.6 DEG E AND 10.4 DEG N.  
2) REST AREA: E/NE-LY 05/15 KTS.

II) WAVE HEIGHT: 6.0-9.0 M.

III) WEATHER: WIDESPREAD RA/TS.

IV) VISIBILITY: VERY POOR.

**BOB A4-FORECAST VALID FROM 12 UTC OF 29<sup>TH</sup> NOV 2024 TO 12 UTC OF 30<sup>TH</sup> NOV 2024.**

I) WIND DIRECTION AND SPEED: 1) S OF 20 DEG N: E/SE-LY 15/25 KTS BEC CYCLONIC. 30/35 KTS AT 80.7 DEG E AND 11.3 DEG N.  
2) REST AREA: E/NE-LY 05/15 KTS.

II) WAVE HEIGHT: 4.0-6.0 M.

III) WEATHER: WIDESPREAD RA/TS.

IV) VISIBILITY: VERY POOR.

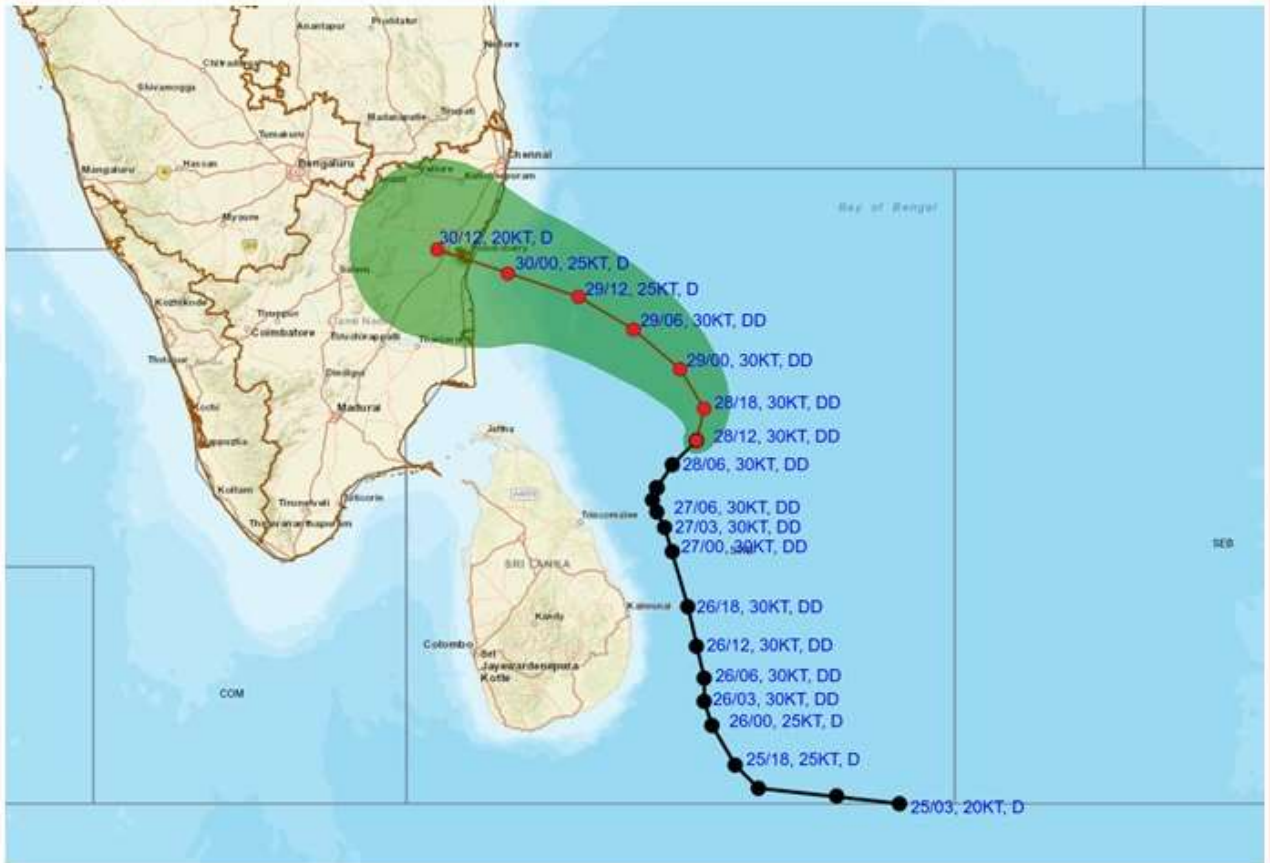
ADVISORY: PLEASE BE AWARE. WIND WAVE FORECASTS ARE AVERAGES. WIND GUSTS CAN BE 40 PER CENT STRONGER THAN THE FORECAST. MAXIMUM WAVE HEIGHT CAN BE TWICE THE FORECAST WAVE HEIGHT.

NEXT FORECAST WILL BE ISSUED AT 28/1700 UTC.

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TOO: 28/1930.



**OBSERVED AND FORECAST TRACK ALONG WITH CONE OF UNCERTAINTY OF DEEP DEPRESSION OVER SOUTHWEST BAY OF BENGAL BASED ON 1200 UTC (1730 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)  
 ESCS : EXTREMELY SEVERE CYCLONIC STORM (90-119 KT)  
 SuCS : SUPER CYCLONIC STORM (≥120 KT)

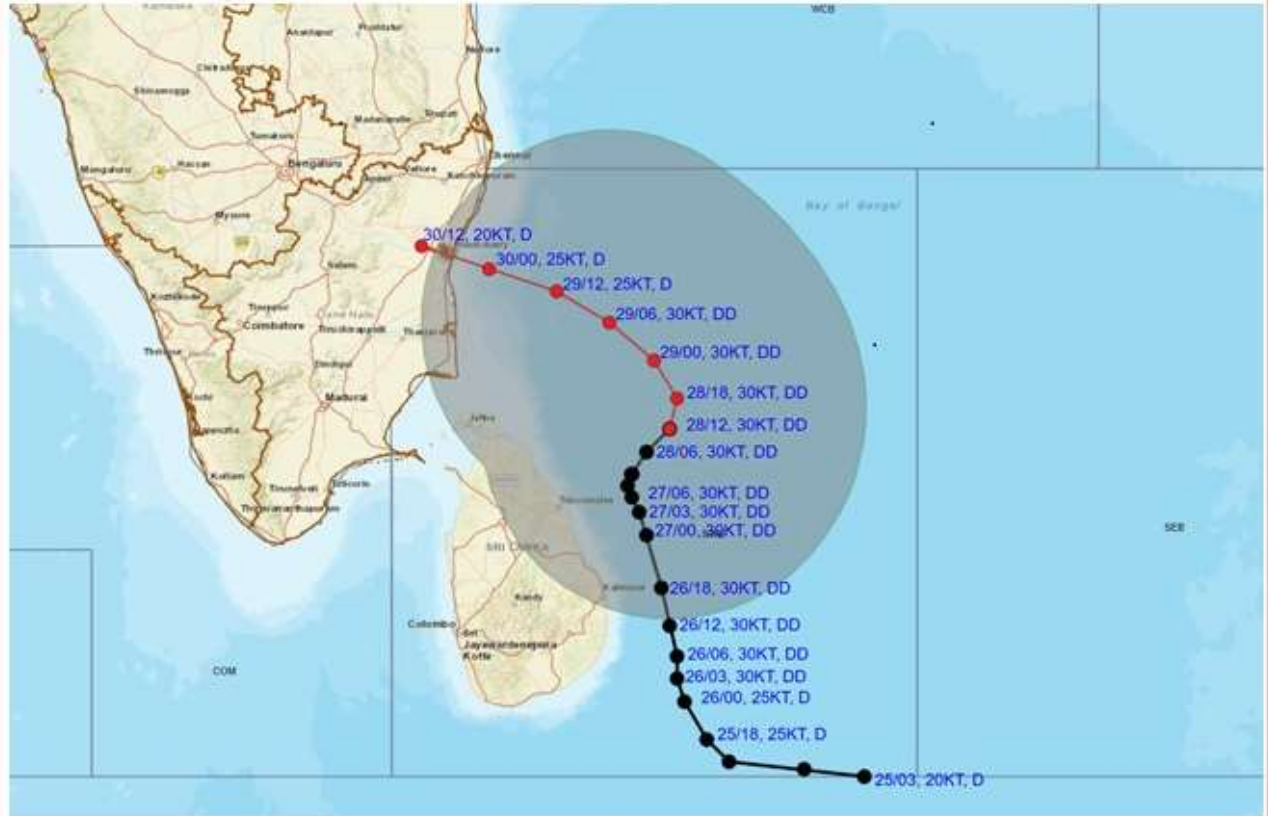
LESS THAN 34 KT  
 34.7 KT  
 ≥ 48 KT  
 OBSERVED TRACK  
 FORECAST TRACK  
 CONE OF UNCERTAINTY

Forecast	DISTANCE (KM) AND DIRECTION FROM STATIONS				
Date and Time (UTC)	TRINCOMALEE	BATTICALOA	NAGAPPATTINAM	PUDUCHERRY	CHENNAI/MINAMBAKKAM
28.11.24/1200	200, NE	240, NNE	340, ESE	410, SE	470, SE
29.11.24/1200	310, N	410, N	160, ENE	160, ESE	210, SSE
30.11.24/1200	430, NNW	540, NNW	150, NNW	50, W	140, SW





**OBSERVED AND FORECAST TRACK ALONGWITH QUADRANT WIND DISTRIBUTION OF DEEP DEPRESSION OVER SOUTHWEST BAY OF BENGAL BASED ON 1200 UTC (1730 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)  
 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  
 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