

GLOBAL MARITIME 011330 IST
DATE/TIME OF ISSUE: 01-12-2024/0800 UTC
GMDSS BULLETIN I 010900
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 09 UTC OF 01ST DECEMBER 2024. TO 00 UTC OF 03RD DECEMBER 2024.

PART-I STORM WARNING:

SUB:THE CYCLONIC STORM “FENGAL” [PRONOUNCED AS FEINJAL] OVER NORTH COASTAL TAMIL NADU & PUDUCHERRY.

THE CYCLONIC STORM “FENGAL” [PRONOUNCED AS FEINJAL] OVER NORTH COASTAL TAMIL NADU & PUDUCHERRY REMAINED PRACTICALLY STATIONARY DURING PAST 6 HOURS AND LAY CENTERED AT 0830 HOURS IST OF TODAY, THE 1ST DECEMBER 2024 OVER THE SAME REGION NEAR LATITUDE 12.0°N AND LONGITUDE 79.8°E, CLOSE TO PUDUCHERRY, ABOUT 30 KM NORTH OF CUDDALORE, 40 KM EAST OF VILLUPURAM AND 120 KM SOUTH-SOUTHWEST OF CHENNAI.

IT IS LIKELY TO MOVE WESTWARDS VERY SLOWLY AND WEAKEN GRADUALLY INTO A DEEP DEPRESSION OVER NORTH COASTAL TAMIL NADU AND PUDUCHERRY DURING THE NEXT 6 HOURS.

FORECAST TRACK AND INTENSITY ARE GIVEN IN THE FOLLOWING TABLE:

Date/ Time (IST)	Position (Lat. °N/ long. °E)	Maximum sustained surface wind speed (Kmph)	Category of cyclonic disturbance
01.12.24/0830	12.0/79.8	60-70 gusting to 80	Cyclonic Storm
01.12.24/1130	12.0/79.7	60-70 gusting to 80	Cyclonic Storm
01.12.24/1730	12.0/79.6	50-60 gusting to 70	Deep Depression
01.12.24/2330	12.0/79.4	40-50 gusting to 60	Depression

QUADRANT WIND FORECAST:

01.12.24/0830

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.

01.12.24/1130

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.

01.12.24/1730

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.

01.12.24/2330

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.

PART-II SYNOPTIC WEATHER SYSTEM AT 0300 UTC:

PART-III AREA FORECAST:

**AREA: ARB A1 (ARABIAN SEA)-EQUATOR TO 10 DEG N W OF 80 DEG E.
ARB A1-FORECAST VALID FROM 09 UTC OF 01ST DEC 2024.TO 00 UTC OF 02ND DEC. 2024.**

I) WIND DIRECTION AND SPEED: 1)W OF 60 DEG E: NE/N-LY 10/20 KTS.
2) REST AREA: N/NW-LY 05/15 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) S OF 3 DEG N TO THE E OF 65 DEG E: FAIRLY WIDESPREAD RA/TS.
2) REST AREA: ISOLATED RA/TS.

IV) VISIBILITY: 1) S OF 3 DEG N: POOR.
2) REST AREA: GOOD.

ARB A1-FORECAST VALID FROM 00 UTC OF 02ND DEC 2024.TO 00 UTC OF 03RD DEC. 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 SW/W-LY 10/20 KTS TO THE E OF 75 DEG E.

II) WAVE HEIGHT: 1.5-3.0 M.

III) WEATHER: 1) S OF 5 DEG N TO THE E OF 60 DEG E: FAIRLY WIDESPREAD RA/TS.
2) REST AREA: ISOLATED RA/TS.

IV) VISIBILITY: 1) S OF 5 DEG N TO THE E OF 60 DEG E: 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 09 UTC OF 01ST DEC 2024.TO 00 UTC OF 02ND DEC. 2024.

I) WIND DIRECTION AND SPEED: 1) N OF 20 DEG N: NW/N-LY 05/10 KTS BEC N/NE-LY 05/15 KTS TO THE S OF 23 DEG N.
2) REST AREA: N/NE-LY 10/15 KTS BEC N/NW-LY 05/15 KTS TO THE S OF 15 DEG N TO THE E OF 70 DEG E.

II) WAVE HEIGHT: 0.5-2.0 M.

III) WEATHER: 1) E OF 70 DEG E TO THE S OF 15 DEG N: WIDESPREAD RA/TS.
2) REST AREA: FAIR.

IV) VISIBILITY: 1) E OF 70 DEG E TO THE S OF 15 DEG N: VERY POOR.
2) REST AREA: GOOD.

ARB A2-FORECAST VALID FROM 00 UTC OF 02ND DEC 2024.TO 00 UTC OF 03RD DEC. 2024.

I) WIND DIRECTION AND SPEED: 1) N OF 20 DEG N: N/NE-LY 05/15 KTS.
2) REST AREA: N/NE-LY 10/15 KTS BEC N/NW-LY 05/15 KTS TO THE S OF 15 DEG N TO E OF 70 DEG E.

II) WAVE HEIGHT: 0.5-2.0 M.

III) WEATHER: 1) E OF 70 DEG E TO THE S OF 16 DEG N: WIDESPREAD RA/TS.
2) REST AREA: FAIR.

IV) VISIBILITY: 1) E OF 70 DEG E TO THE S OF 16 DEG N: 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 09 UTC OF 01ST DEC 2024.TO 00 UTC OF 02ND DEC. 2024.

- I) WIND DIRECTION AND SPEED: 1) W OF 90 DEG E: W/SW-LY 15/25 KTS BEC CYCLONIC 30/40 KTS AT 12.0 DEG N AND 79.8 DEG E.
2) N OF 5 DEG N TO THE E OF 90 DEG E: SE-LY 05/10 KTS.
3) REST AREA: NW-LY 05/10 KTS
- II) WAVE HEIGHT: 6.0-9.0 M.
III) WEATHER: FAIRLY WIDESPREAD RA/TS.
IV) VISIBILITY: POOR.

BOB A3-FORECAST VALID FROM 00 UTC OF 02ND DEC 2024.TO 00 UTC OF 03RD DEC. 2024.

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

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

BOB A4- FORECAST VALID FROM 09 UTC OF 01ST DEC 2024.TO 00 UTC OF 02ND DEC. 2024.

- I) WIND DIRECTION AND SPEED: 1) S OF 20 DEG N: SE-LY 10/20 KTS BEC CYCLONIC. 30/40 KTS AT 12.0 DEG N AND 79.8 DEG E.
2) REST AREA: NE/E-LY 10/15 KTS.
- II) WAVE HEIGHT: 6.0-9.0 M.
III) WEATHER: 1) S OF 20 DEG N TO THE W OF 90 DEG E: WIDESPREAD RA/TS.
2) REST AREA: FAIR.
IV) VISIBILITY: 1) S OF 20 DEG N TO THE W OF 90 DEG E: VERY POOR.
2) REST AREA: GOOD.

BOB A4-FORECAST VALID FROM 00 UTC OF 02ND DEC 2024.TO 00 UTC OF 03RD DEC. 2024.

- I) WIND DIRECTION AND SPEED: 1) S OF 20 DEG N: NE/E-LY 05/15 KTS BEC SE-LY 05/15 KTS TO THE W OF 85 DEG E.
2) REST AREA: NE/E-LY 05/15 KTS.
- II) WAVE HEIGHT: 4.0-6.0 M.
III) WEATHER: 1) S OF 20 DEG N TO THE W OF 90 DEG E: WIDESPREAD RA/TS.
2) REST AREA: FAIR.
IV) VISIBILITY: 1) S OF 20 DEG N TO THE W OF 90 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 01/1700 UTC.

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TOO: 01/1330



OBSERVED AND FORECAST TRACK ALONG WITH CONE OF UNCERTAINTY OF CYCLONIC STORM "FENGAL" OVER NORTH COASTAL TAMIL NADU AND PUDUCHERRY BASED ON 0300 UTC (0830 HRS. IST) OF 01st DECEMBER, 2024.



DATE/TIME : IN UTC
 IST : UTC + 0530
 KT : NAUTICAL MILE/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
 34-47 KT
 ≥ 48 KT
 OBSERVED TRACK
 FORECAST TRACK
 CONE OF UNCERTAINTY

Forecast	DISTANCE (KM) AND DIRECTION FROM STATIONS		
	MAHABALIPURAM	MO PONDICHERRY	CHENNAI/MINAMB AKKAM
01.12.24/0300	80, SSW	0, NNW	120, SSW
01.12.24/0600	90, SW	10, WNW	120, SSW
01.12.24/1200	90, SW	20, W	130, SSW
01.12.24/1800	110, SW	50, W	140, SW



OBSERVED AND FORECAST TRACK ALONGWITH QUADRANT WIND DISTRIBUTION OF CYCLONIC STORM "FENGAL" OVER NORTH COASTAL TAMIL NADU AND PUDUCHERRY BASED ON 0300 UTC (0830 HRS. IST) OF 01st DECEMBER, 2024.



- DATE/TIME : IN UTC
- IST : UTC + 0530
- KT : NAUTICAL MILE/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
- 34-47 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