

GLOBAL MARITIME 301800 IST

DATE/TIME OF ISSUE: 30-11-2024/1230 UTC

SPL GMDSS BULLETIN NO-16 301230

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 10 UTC OF 30TH NOVEMBER 2024 TO 12 UTC OF 02ND NOVEMBER 2024.

PART-I STORM WARNING:

SUB: CYCLONIC STORM "FENGAL" [PRONOUNCED AS FEINJAL] OVER SOUTHWEST BAY OF BENGAL.

THE CYCLONIC STORM "FENGAL" [PRONOUNCED AS FEINJAL] OVER SOUTHWEST BAY OF BENGAL MOVED WESTWARDS WITH A SPEED OF 7 KMPH DURING PAST 6 HOURS AND LAY CENTRED AT 1430 HOURS IST OF TODAY, THE 30TH NOVEMBER 2024 OVER THE SAME REGION NEAR LATITUDE 12.3°N AND LONGITUDE 80.5°E, ABOUT 50 KM SOUTHEAST OF MAHABALIPURAM, 80 KM EAST-NORTHEAST OF PUDUCHERRY AND 90 KM SOUTH-SOUTHEAST OF CHENNAI.

IT IS LIKELY TO MOVE NEARLY WESTWARDS AND CROSS NORTH TAMIL NADU-PUDUCHERRY COASTS BETWEEN KARAIKAL AND MAHABALIPURAM CLOSE TO PUDUCHERRY AS A CYCLONIC STORM WITH A WIND SPEED OF 70-80 KMPH GUSTING TO 90 KMPH DURING EVENING OF 30TH NOVEMBER. THERE IS A POSSIBILITY OF SLOW MOVEMENT OF THE SYSTEM WHILE APPROACHING THE COASTS.

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
30.11.24/1430	12.3/80.5	70-80 GUSTING TO 90	CYCLONIC STORM
30.11.24/1730	12.2/80.1	70-80 GUSTING TO 90	CYCLONIC STORM
30.11.24/2330	12.1/79.8	55-65 GUSTING TO 75	DEEP DEPRESSION
01.12.24/0530	12.0/79.5	50-60 GUSTING TO 70	DEEP DEPRESSION

QUADRANT WIND FORECAST:

30.11.24/1430:

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.

30.11.24/1730:

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.

30.11.24/2330:

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.

01.12.24/0530

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.

PART-II SYNOPTIC WEATHER SYSTEM AT 0600 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 10 UTC OF 30TH NOV 2024 TO 12 UTC OF 01ST DECEMBER 2024.

I) WIND DIRECTION AND SPEED: 1) W OF 60 DEG E: NE/N-LY 10/20 KTS BEC NW-LY 10/15 KTS
TO THE S OF 4 DEG N.

2) REST AREA: N/NW-LY 10/15 KTS BEC NW/W-LY 15/20 KTS
TO THE E OF 70 DEG E.

II) WAVE HEIGHT: 1.5-3.0 M.

III) WEATHER: 1) E OF 67DEG E: SCATTERED RA/TS.

2) REST AREA: FAIR.

IV) VISIBILITY: 1) E OF 67DEG E: MODERATE.

2) REST AREA: GOOD.

ARB A1-FORECAST VALID FROM 12 UTC OF 01ST DEC 2024 TO 12 UTC OF 02ND DECEMBER 2024.

I) WIND DIRECTION AND SPEED: 1) W OF 60 DEG E: NE/N-LY 10/20 KTS BEC NW-LY 10/15 KTS
TO THE S OF 5 DEG N.

2) REST AREA: N/NW-LY 10/20 KTS BEC W/SW-LY 15/25 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 60 DEG E: WIDESPREAD RA/TS.

2) REST AREA: SCATTERED RA/TS.

IV) VISIBILITY: 1) S OF 3 DEG N TO THE E OF 60 DEG E: POOR.

2) REST AREA: MODERATE.

**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 10 UTC OF 30TH NOV 2024 TO 12 UTC OF 01ST DECEMBER 2024.

I) WIND DIRECTION AND SPEED: NE/N-LY 10/20 KTS.

II) WAVE HEIGHT: 0.5-2.0 M.

III) WEATHER: FAIR.

IV) VISIBILITY: GOOD.

ARB A2-FORECAST VALID FROM 12 UTC OF 01ST DEC 2024 TO 12 UTC OF 02ND DECEMBER 2024.

I) WIND DIRECTION AND SPEED: NE/N-LY 10/20 KTS.

II) WAVE HEIGHT: 0.5-2.0 M.

III) WEATHER: 1) E OF 74 DEG E: ISOLATED RA/TS.

2) REST AREA: FAIR.

IV) VISIBILITY: 1) E OF 74 DEG E: GOOD.

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 10 UTC OF 30TH NOV 2024 TO 12 UTC OF 01ST DECEMBER 2024.

I) WIND DIRECTION AND SPEED: SW-LY 15/20 KTS BEC CYCLONIC 35/45 KTS AT
81.2 DEG E AND 12.2 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 01ST DEC 2024 TO 12 UTC OF 02ND DECEMBER 2024.

- I) WIND DIRECTION AND SPEED: SW/S-LY 20/25 KTS BEC S/SE-LY 10/20 KTS TO THE N OF 5 DEG N.
- 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 10 UTC OF 30TH NOV 2024 TO 12 UTC OF 01ST DECEMBER 2024.

- I) WIND DIRECTION AND SPEED: 1) S OF 20 DEG N: SE-LY 15/20 KTS BEC CYCLONIC. 35/45 KTS
AT 81.2 DEG E AND 12.2 DEG N.
2) REST AREA: E/NE-LY 10/15 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 01ST DEC 2024 TO 12 UTC OF 02ND DECEMBER 2024.

- I) WIND DIRECTION AND SPEED: 1) S OF 20 DEG N: E/SE-LY 20/25 KTS.
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.

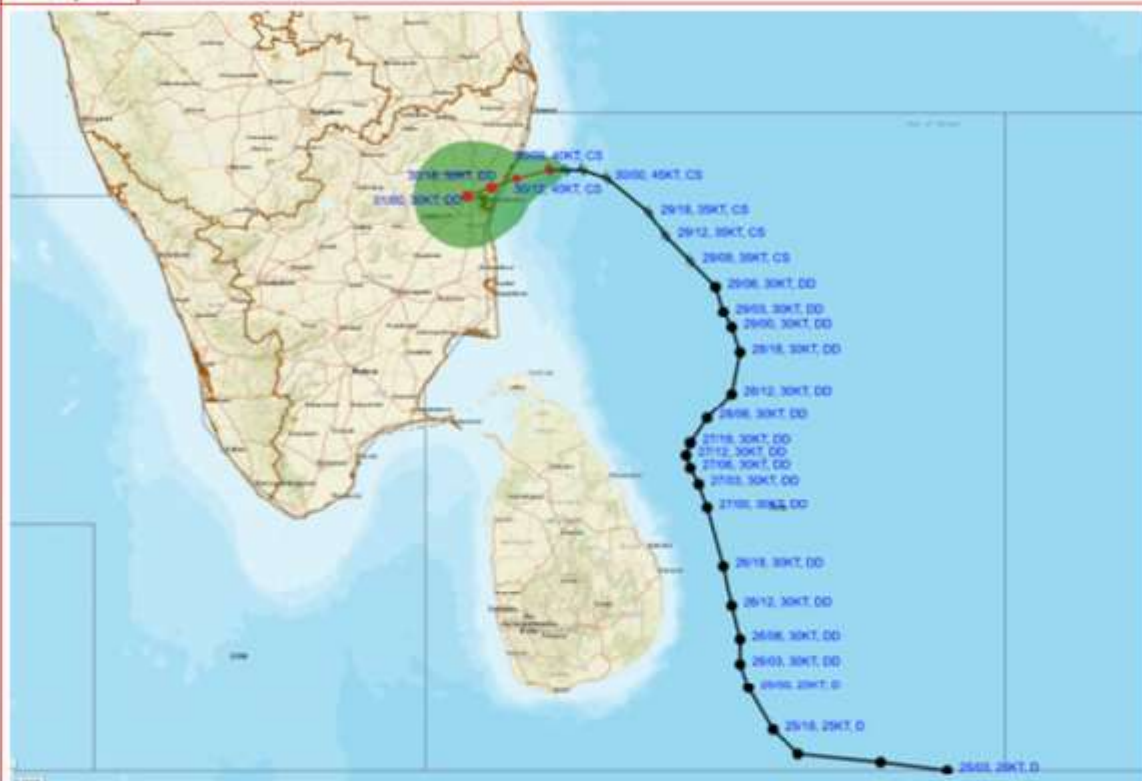
NEXT FORECAST WILL BE ISSUED AT 30/0800 UTC.

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TOO: 30/1800.



OBSERVED AND FORECAST TRACK ALONG WITH CONE OF UNCERTAINTY OF CYCLONIC STORM "FENGAL" OVER SOUTHWEST BAY OF BENGAL BASED ON 0900 UTC (1430 HRS. IST) OF 30th NOVEMBER, 2024.



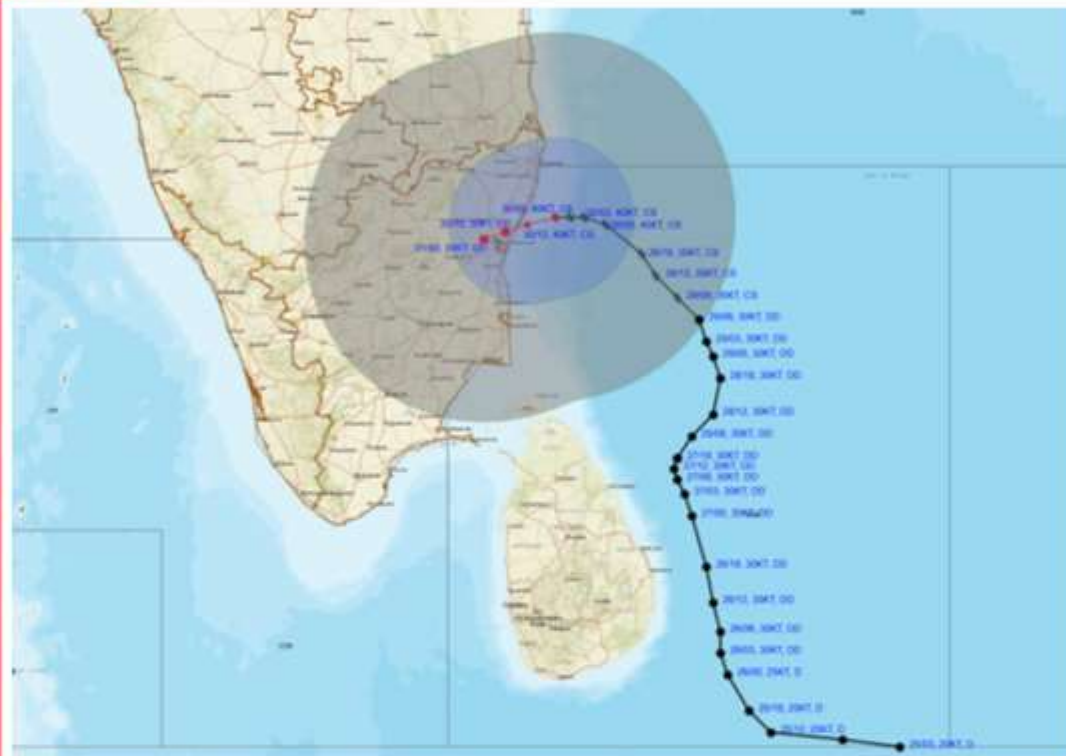
DATE/TIME : IN UTC
 IST : UTC + 0530
 KT : NAUTICAL MILE/ HOUR = 1.85 KM/HOUR
 LPA : LOW PRESSURE AREA
 WML : WELL MARKED LOW PRESSURE AREA
 D : DEPRESSION (17-27 KT)
 DD : DEEP DEPRESSION (28-33 KT)
 CS : CYCLONIC STORM (34-47 KT)
 SCS : SEVERE CYCLONIC STORM (48-63 KT)
 VSCS : VERY SEVERE CYCLONIC 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		
Date and Time (UTC)	MAHABALIPURAM	CHENNAI/MINAMBAKKAM	MO PONDICHERRY
30.11.24/0900	50, SE	90, SSE	80, ENE
30.11.24/1200	50, SSW	90, S	40, NE
30.11.24/1800	70, SW	110, SSW	10, N
01.12.24/0000	100, SW	130, SW	30, W



OBSERVED AND FORECAST TRACK ALONGWITH QUADRANT WIND DISTRIBUTION OF CYCLONIC STORM "FENGAL" OVER SOUTHWEST BAY OF BENGAL BASED ON 0900 UTC (1430 HRS. IST) OF 30TH NOVEMBER, 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