REPUBLIC OF KENYA
MINISTRY OF ENVIRONMENT, CLIMATE CHANGE AND FORESTRY
KENYA METEOROLOGICAL DEPARTMENT
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REF.NO: KMD/FCST/09-2026/MARINE/39 **Date: Issued on 21st September 2026**

7-Day Marine Forecast for the Kenya Coast and Off Shore Areas
Along the Western Indian Ocean Region
Validity: 22/09/2026 - 28/09/2026

1.0 GENERAL OUTLOOK

1.1 Wind Speed & Direction:

South-South-Easterly to South-South-Westerly winds are expected over Somalia waters with wind speeds of 08 to 24 knots (04-12m/s) throughout the forecast period.

East-North-Easterly to South-Westerly winds are expected over Kenya and Tanzania waters with wind speeds of 04 to 20 knots (02-10m/s) throughout the forecast period.

1.2 Sig. Wave Height and Direction:

Easterly to South-South-Westerly waves are expected over Kenya, and Tanzania waters with wave heights of 0.2-2.2m (≈ 0.6–6.6ft) throughout the forecast period.

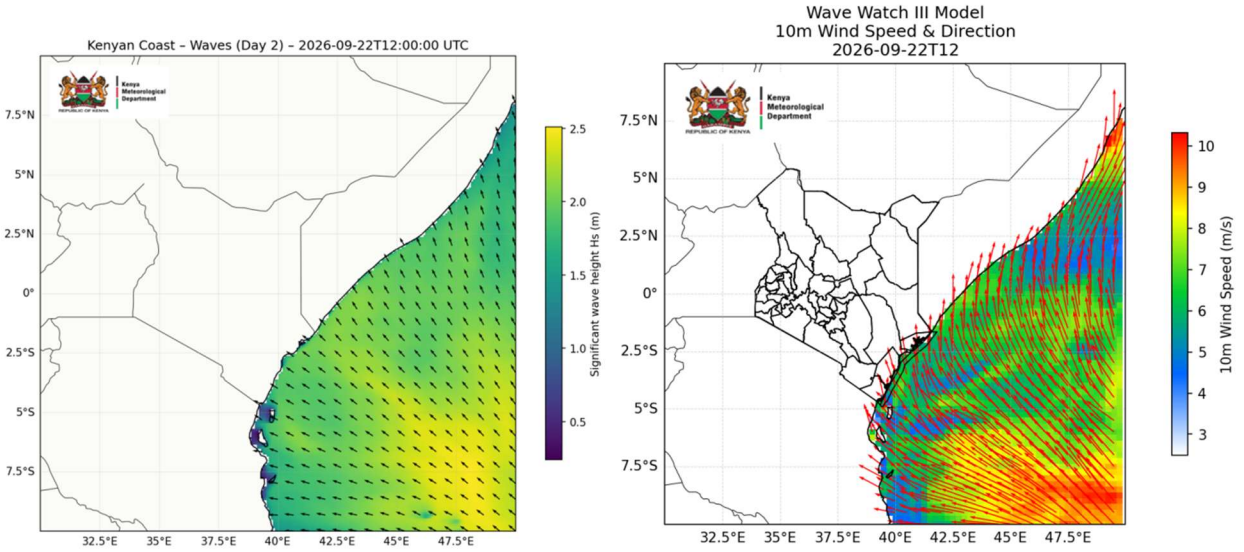
1.3 Sea condition

- Light to fresh breeze with wind speeds of 02–10m/s (04 to 20 Knots) expected over Kenya and Tanzania waters throughout the forecast period.
- Gentle to strong breeze with wind speeds of 04–12m/s (08 to 24 Knots) expected over Somalia waters throughout the forecast period
- Slight to Moderate Sea condition with wave heights of 0.2-2.2m (≈ 0.6–6.6 ft) expected over Kenya, Tanzania and Somalia waters throughout the forecast period.

2.0 WINDS AND SIGNIFICANT WAVE HEGHTS FORECAST FOR THE PERIOD 22ND SEPTEMBER, 2026 TO 28TH SEPTEMBER, 2026.

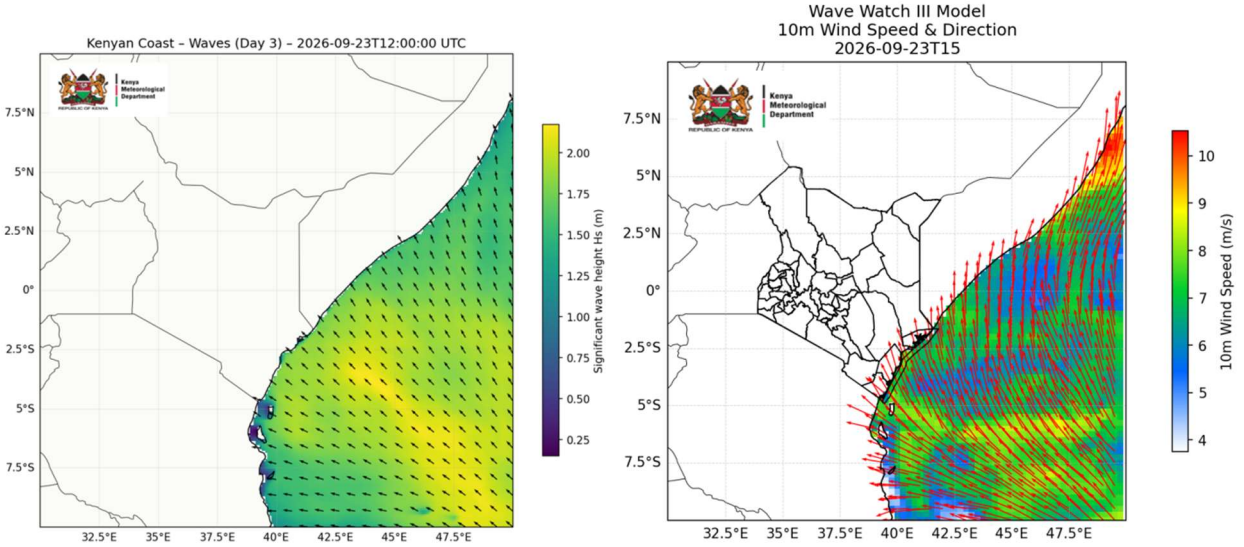
2.1 Tuesday 22nd September, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

Wave height: 0.4 m to 2.2m (≈ 1.2– 6.6ft) 10m Winds: 6-20 knots (≈ 3– 10 m/s)



2.2 Wednesday 23rd September, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

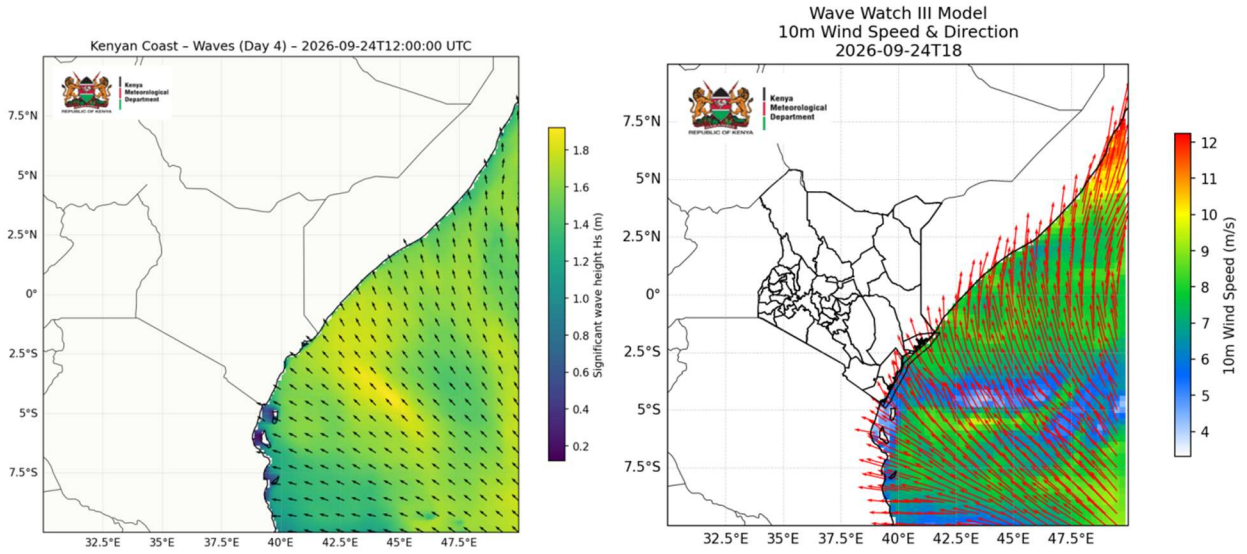
Wave height: 0.25 m to 2.0m (≈ 0.75– 6.0ft) 10m Winds:8-20 knots (≈ 4– 10m/s)



2.3 Thursday 24th September, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

Wave height: 0.2 m to 1.8 m (≈ 0.6–5.4ft)

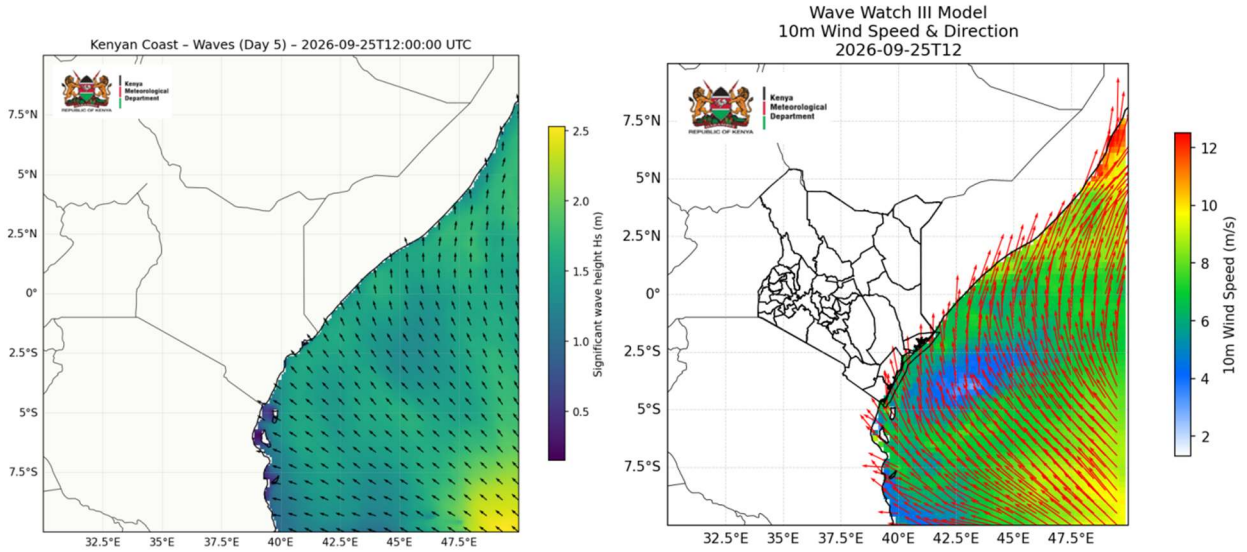
10m Winds: 08-24 knots (≈ 4 – 12m/s)



2.4 Friday 25th September, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

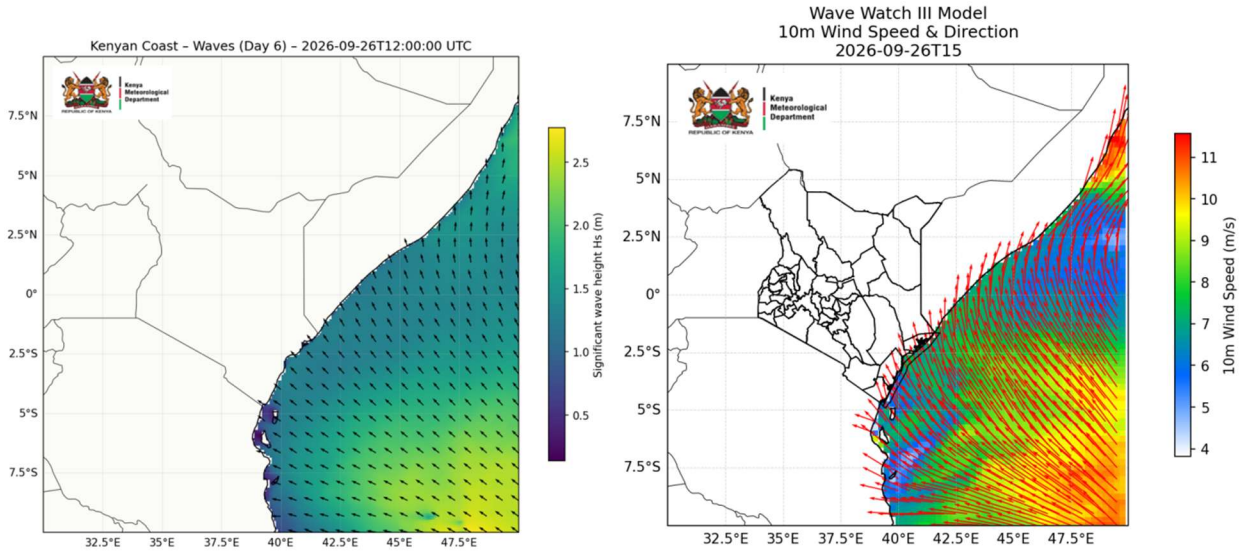
Wave height: 0.5 m to 2.2m (≈ 1.5–6.6ft)

10m Winds: 04-24 knots (≈ 2– 12m/s)



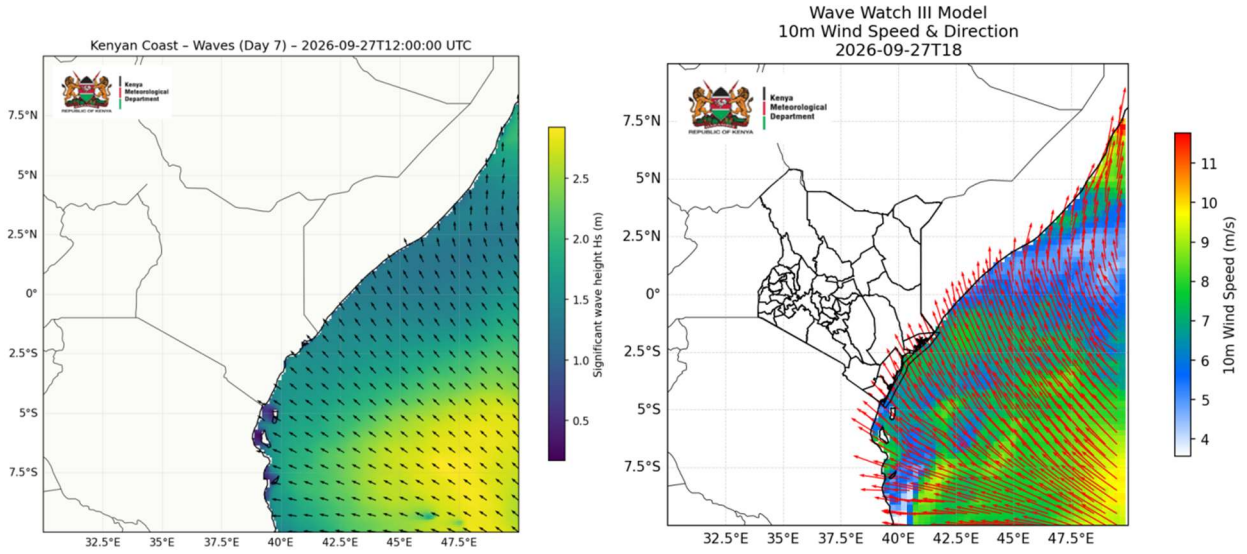
2.5 Saturday 26th September, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

Wave height: 0.4 m to 2.0 m (≈ 1.2– 6.0ft) 10m Winds: 08-22 knots (≈ 04 –11m/s)



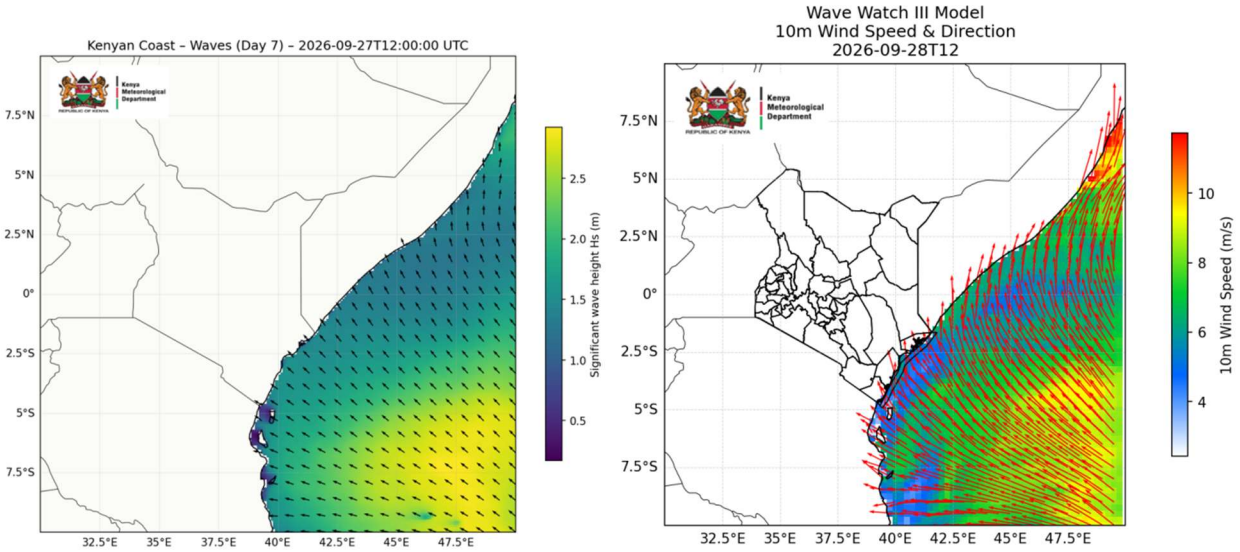
2.6 Sunday 27th September, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

Wave height: 0.4 m to 2.0m (≈ 1.2– 6.0ft) 10m Winds: 08-24 knots (≈ 4– 12m/s)



2.7 Monday 28th September, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

Wave height: 0.4m to 2.0m (≈1.2 - 6.6ft) 10m Winds: 08-22 knots (≈ 4– 11 m/s)

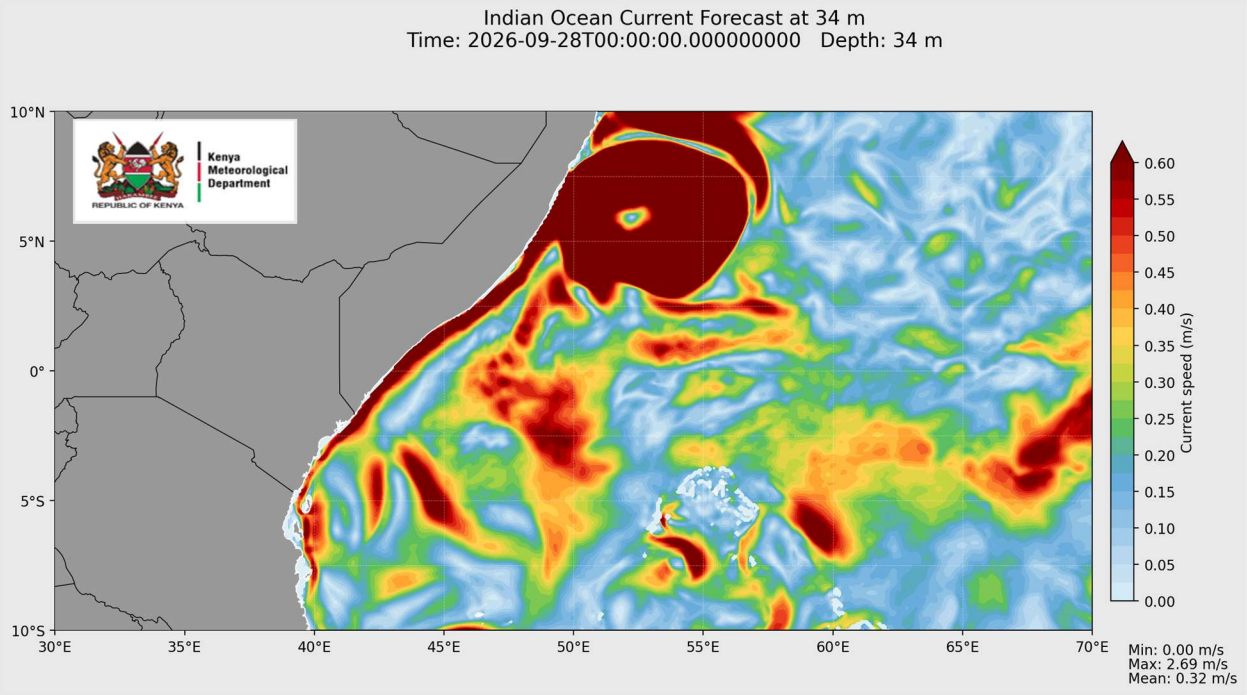


3.0 TIDE FORECAST VALID FROM 22ND SEPTEMBER, 2026 TO 28TH SEPTEMBER, 2026.

Date	Description	High Tide		Low Tide	
		Time	Height	Time	Height
Tue 22nd September, 2026	**1st Tide**	02:06 AM	2.16 m	7:44 AM	1.39 m
	2nd Tide	02:00 PM	2.55 m	8:29 PM	1.02 m
Wed 23rd September, 2026	**1st Tide**	02:39 AM	2.47 m	8:29 AM	1.1 m
	2nd Tide	02:39 PM	2.81 m	8:57 PM	0.76 m
Thu 24th September, 2026	**1st Tide**	03:06 AM	2.78 m	9:03 AM	0.8 m
	2nd Tide	03:11 PM	3.04 m	9:23 PM	0.53 m
Fri 25th September, 2026	**1st Tide**	03:32 AM	3.08 m	9:34 AM	0.52 m
	2nd Tide	03:41 PM	3.23 m	9:47 PM	0.35 m

Sat 26th September, 2026	**1st Tide**	03:58 AM	3.35 m	10:03 AM	0.29 m
	2nd Tide	04:11 PM	3.37 m	10:13 PM	0.21 m
Sun 27th September, 2026	**1st Tide**	04:26 AM	3.57 m	10:33 AM	0.12 m
	2nd Tide	04:42 PM	3.42 m	10:40 PM	0.13 m
Mon 28th September, 2026	**1st Tide**	04:55 AM	3.72 m	11:05 AM	0.03 m
	2nd Tide	05:13 PM	3.40 m	11:07 PM	0.11 m

4.0 7 DAYS OCEAN SURFACE CURRENT IN METERS PER SECONDS (M/S) FORECAST VALID 22//09/2026 TO 28/09/2026



KEY ON SEA STATE

WAVE HEIGHT RANGE (Meters)	DESCRIPTION	IMPACT
0.6 – 1.0 m (≈ 1.8 – 3.0 ft)	Slight	**Conditions suitable for Marine activities**
1.0 – 1.9 m (≈ 3.0 – 5.7 ft)	Slight – Moderate	
2.0 – 2.9 m (≈ 6.0 – 8.7 ft)	Moderate-Rough	**Caution on operating marine activities**
3.0 – 4.0 m (≈ 9.0 – 12.0 ft)	Rough	**Warning in place!!!!**
4.1 – 5.5 m (≈ 12.3 – 16.5 ft)	Very Rough	**Warning in place and marine activities on hold**

KEY ON SEA STATE

WIND	RANGE	DESCRIPTIONS	IMPACT
	< 1 – 7 Knots	**Calm to light breeze**	**1 – 6 knots, the Ocean is relatively calm with very little disturbance. Suitable for Marine operations**
	7 – 21 Knots	**Gentle breeze to fresh breeze**	**7 – 17 knots, small boats are likely to be filled with water sprays and become unstable. Caution in carrying out marine activities**
	22 – ≥34 Knots	**Strong breeze to extremely strong breeze**	**More than 21 knots, the ocean state is very much disturbed and the prevailing conditions are dangerous for marine operations. Warning in place!!!!!**

N.B: This forecast should be used in conjunction with the daily marine forecast issued by this Department.

In concurrence with outputs from relevant marine data platforms, acknowledgement is fully accorded to: ESSO- Indian National Centre for Ocean Information Services (INCOIS), mercator-ocean.fr, COPERNICUS Marine Environment Monitoring Service (CMEMS) and other related sources.

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