



**REPUBLIC OF KENYA**  
**MINISTRY OF ENVIRONMENT, CLIMATE CHANGE AND FORESTRY**  
**KENYA METEOROLOGICAL DEPARTMENT**

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**REF.NO: KMD/FCST/05-2026/MARINE/20**

**Date: Issued on 14<sup>th</sup> May, 2026**

**7-Day Marine Forecast for the Kenya Coast and Off Shore Areas**  
**Along the Western Indian Ocean Region**  
**Validity: 15/05/2026 - 21/05/2026**

## **1.0 GENERAL OUTLOOK**

### **1.1 Wind Speed & Direction:**

Southerly to West-South-Westerly winds are expected over Somalia waters with wind speeds of **12 to 28 knots (06-14 m/s)** throughout the forecast period.

South-Easterly to South-Westerly winds are expected over Kenya and Tanzania waters with wind speeds of **04 to 20 knots (2-10 m/s)** throughout the forecast period.

### **1.2 Sig. Wave Height and Direction:**

East-South-Easterly to South-South-Westerly waves are expected over Somalia, Kenya, and Tanzania waters with wave heights of **0.25–2.5 m ( $\approx$  0.75–7.5 ft)** throughout the forecast period.

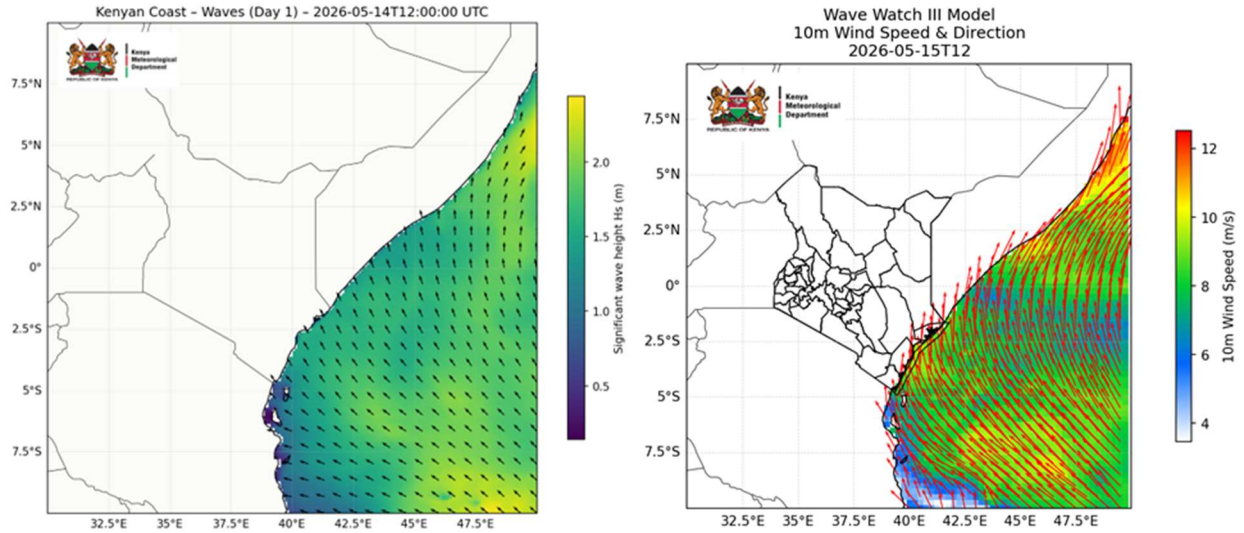
### **1.3 Sea conditions**

- Slight to moderate sea condition with wave heights of 0.25–2.5 m ( $\approx$  0.75–7.5 ft) expected over the Somalia, Kenya and Tanzania waters throughout the forecast period.
- Light breeze to fresh breeze with wind speeds of 2–10 m/s (04 to 20 Knots) expected Kenya, and Tanzania waters throughout the forecast period.
- Gentle breeze to strong breeze with wind speeds of 06–14 m/s (12 to 28 Knots) expected over Somalia waters throughout the forecast period.

## 2.0 WINDS AND SIGNIFICANT WAVE HEIGHTS FORECAST FOR THE PERIOD 15<sup>TH</sup> MAY, 2026 TO 21<sup>ST</sup> MAY, 2026.

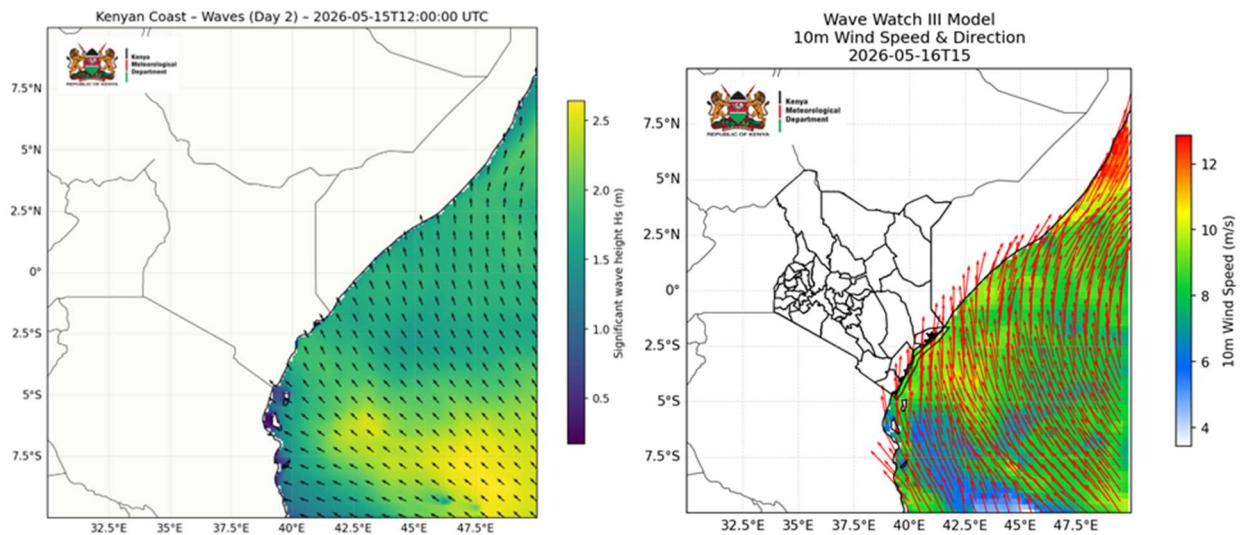
### 2.1 Friday 15<sup>th</sup> May, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

Wave height: 0.5 m to 2.0m ( $\approx$  1.5– 6.0ft)      10m Winds: 08-24 knots ( $\approx$  4 – 12m/s)



### 2.2 Saturday 16<sup>th</sup> May, 2026, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

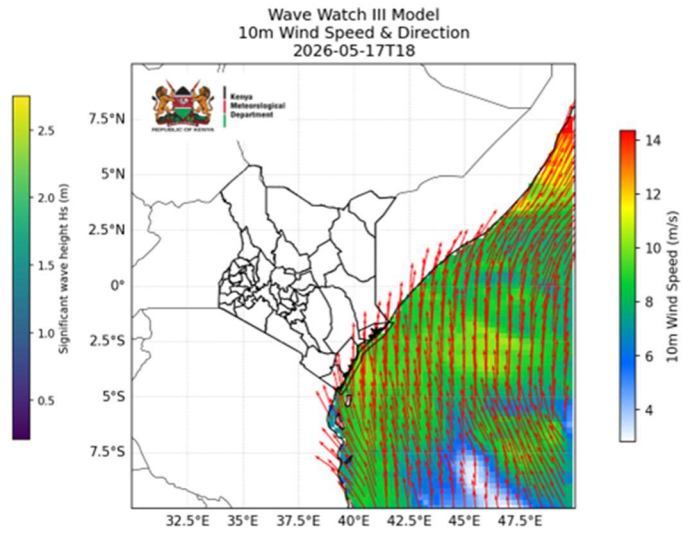
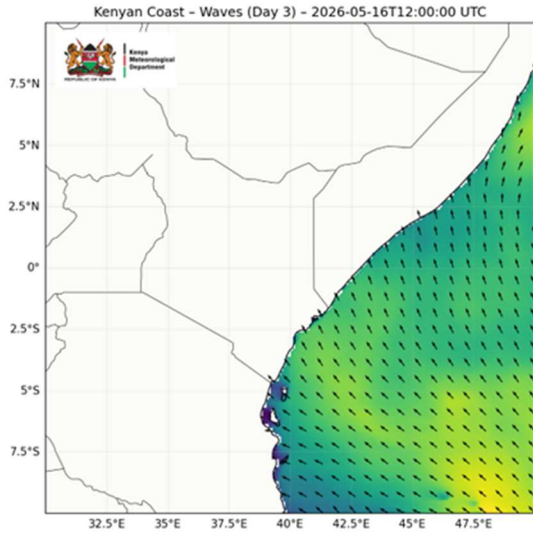
Wave height: 0.5 m to 2.5m ( $\approx$  1.5– 7.5ft)      10m Winds: 08-24 knots ( $\approx$  4– 12 m/s)



**2.3 Sunday 17<sup>th</sup> May, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)**

Wave height: 0.5 m to 2.5m ( $\approx$  1.5– 7.5ft)

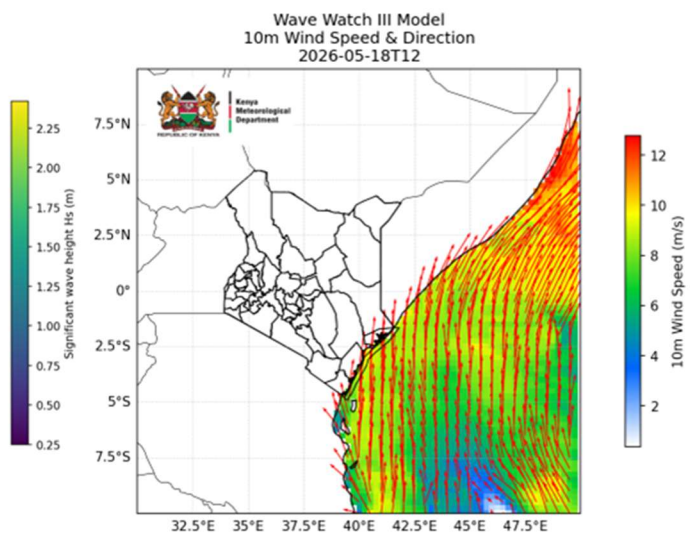
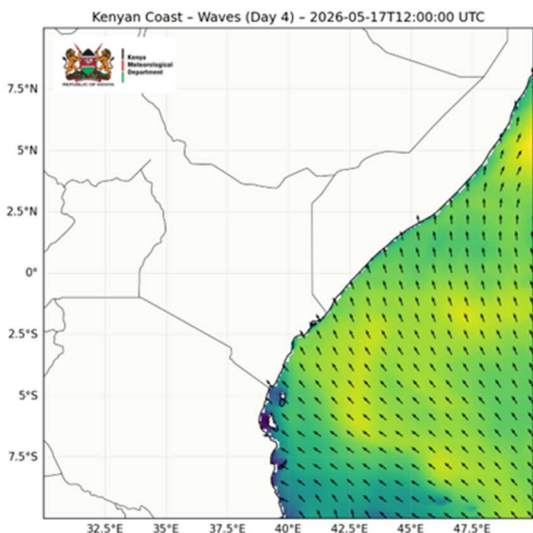
10m Winds: 08-28 knots ( $\approx$  4– 14 m/s)



**2.4 Monday 18<sup>th</sup> May, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)**

Wave height: 0.25 m to 2.25m ( $\approx$  0.75– 6.75ft)

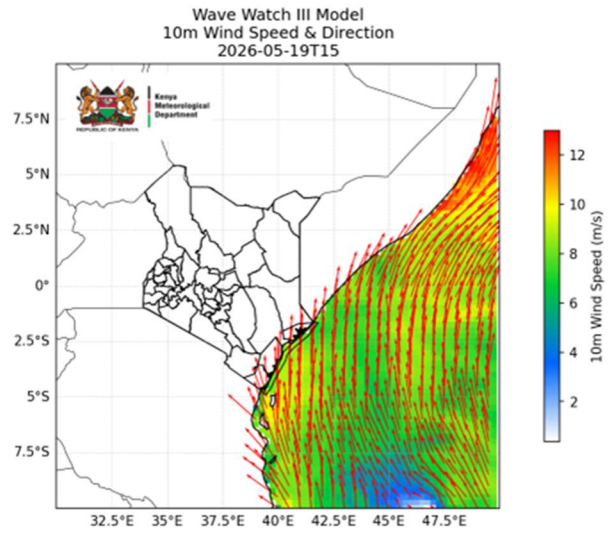
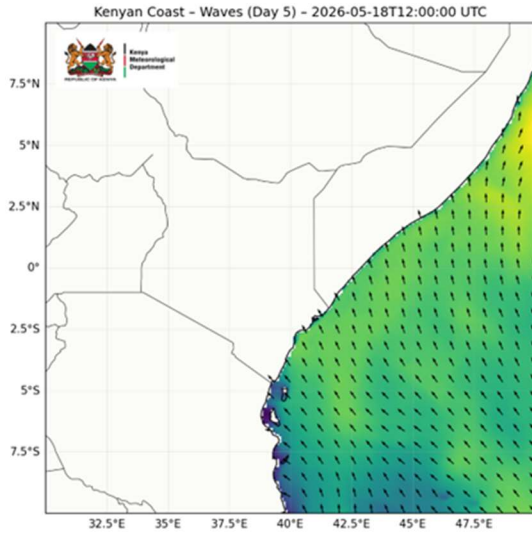
10m Winds: 04 -24 knots ( $\approx$ 2– 12m/s)



## 2.5 Tuesday 19<sup>th</sup> May, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

Wave height: 0.25 m to 2.25m ( $\approx 0.75$ – 6.75ft)

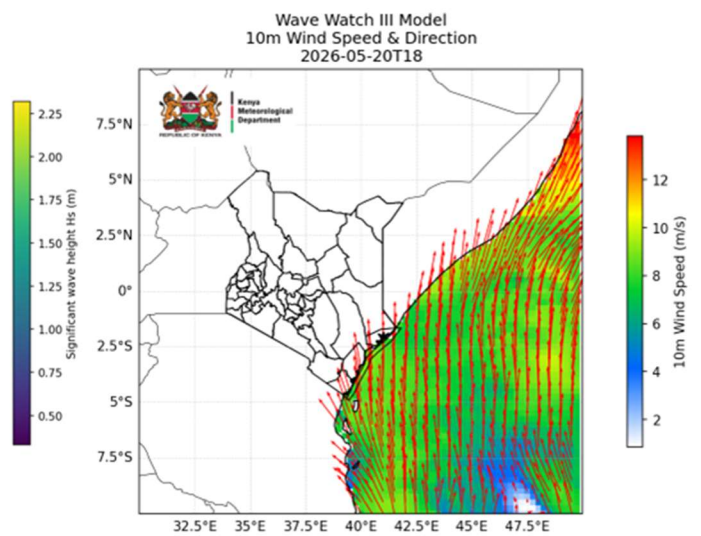
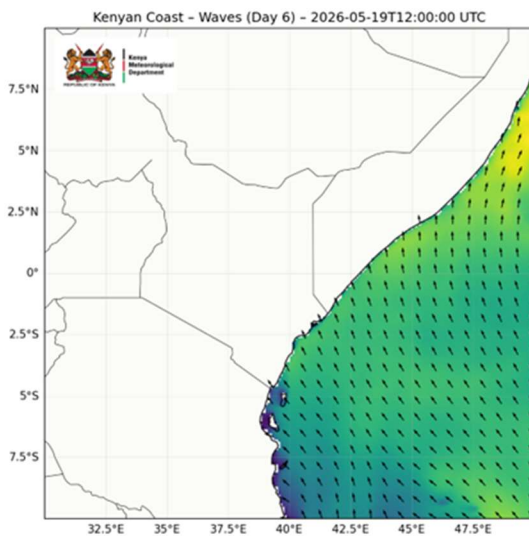
10m Winds: 04-24 knots ( $\approx 2$  – 12m/s)



## 2.6 Wednesday 20<sup>th</sup> May, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

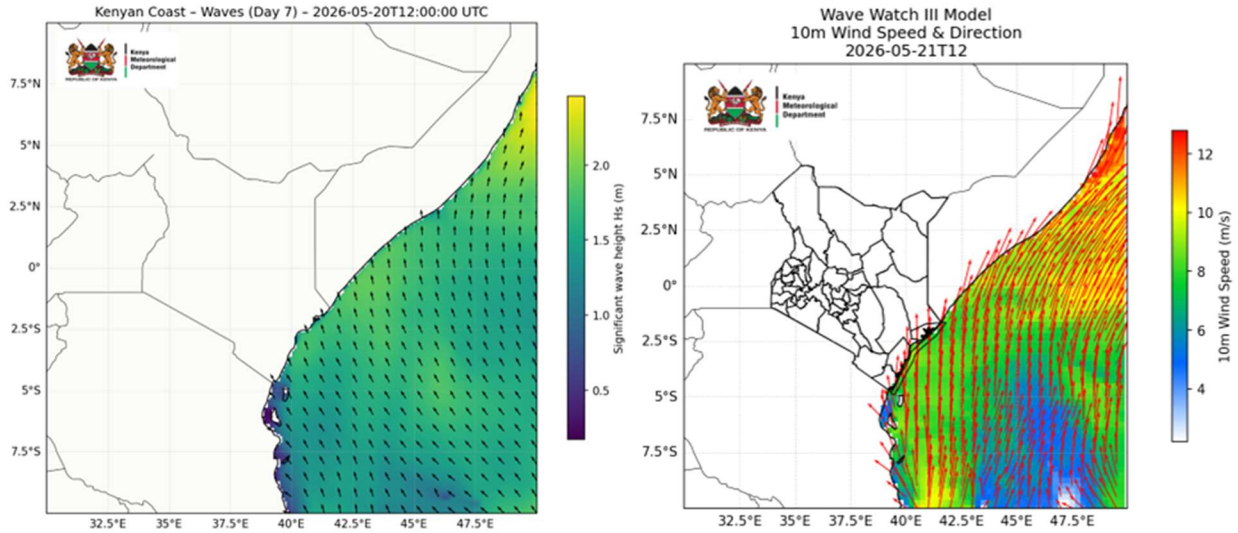
Wave height: 0.5 m to 2.25m ( $\approx 1.5$ – 6.75ft)

10m Winds: 04-24 knots ( $\approx 2$ – 12m/s)



**2.7 Thursday 21<sup>st</sup> May, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)**

Wave height: 0.5 m to 2.0m (≈ 1.5 – 6.0ft)      10m Winds: 08-24knots (≈ 4 – 12m/s)

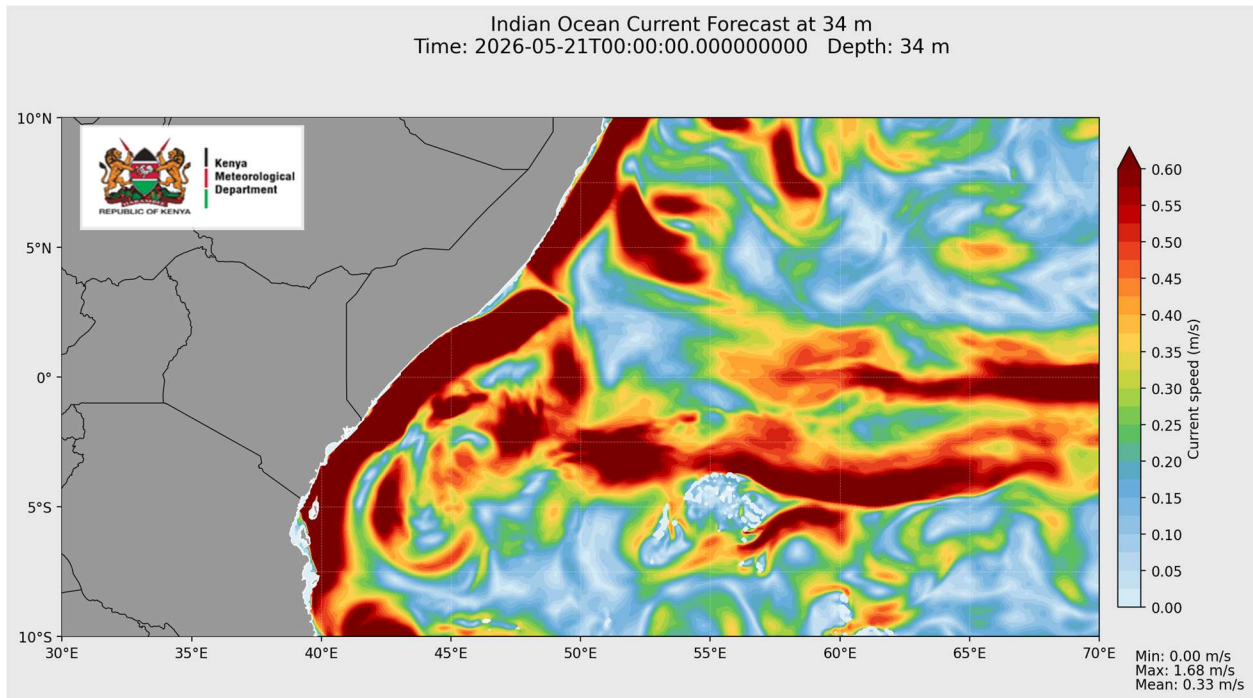


**3.0 TIDE FORECAST VALID FROM 15<sup>TH</sup> MAY, 2026 TO 21<sup>ST</sup> MAY, 2026.**

Date	Description	High Tide		Low Tide	
		Time	Height	Time	Height
Fri 15 <sup>th</sup> May, 2026	1 <sup>st</sup> Tide	02:37 AM	3.32 m	08:42 AM	0.57 m
	2 <sup>nd</sup> Tide	02:54 PM	4.00 m	09:24 PM	0.29 m
Sat 16 <sup>th</sup> May, 2026	1 <sup>st</sup> Tide	03:21 AM	3.45 m	09:22 AM	0.39 m
	2 <sup>nd</sup> Tide	03:35 PM	4.22 m	10:04 PM	0.11 m
Sun 17 <sup>th</sup> May, 2026	1 <sup>st</sup> Tide	04:03 AM	3.51 m	10:01 AM	0.28
	2 <sup>nd</sup> Tide	04:18 PM	4.33 m	10:45 PM	0.04 m
Mon 18 <sup>th</sup> May, 2026	1 <sup>st</sup> Tide	04:46 AM	3.51 m	10:42 AM	0.26 m
	2 <sup>nd</sup> Tide	05:01 PM	4.31 m	11:27 PM	0.10 m

<b>Tue 19<sup>th</sup> May, 2026</b>	<b>1<sup>st</sup> Tide</b>	05:31 AM	3.43 m	11:25 AM	0.34 m
	<b>2<sup>nd</sup> Tide</b>	05:47 PM	4.16 m		
<b>Wen 20<sup>th</sup> May, 2026</b>	<b>1<sup>st</sup> Tide</b>	06:19 AM	3.29 m	12:11 AM	0.25 m
	<b>2<sup>nd</sup> Tide</b>	06:36 PM	3.91 m	12:09 PM	0.52 m
<b>Thu 21<sup>st</sup> May, 2026</b>	<b>1<sup>st</sup> Tide</b>	07:13 AM	3.12 m	12:57 AM	0.48 m
	<b>2<sup>nd</sup> Tide</b>	07:31 PM	3.59 m	12:58 PM	0.78 m

**4.0 7 DAYS OCEAN SURFACE CURRENT IN METERS PER SECONDS (M/S)  
FORECAST VALID 15/05/2026 TO 21/05/2026**



## 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!!!! Warning in place and marine activities on hold
4.1 – 5.5 m (≈ 12.3 – 16.5 ft)	Very Rough	

## 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.*

K. Langat.

**FOR DIRECTOR OF KENYA METEOROLOGICAL DEPARTMENT**