



**REPUBLIC OF KENYA**  
**MINISTRY OF ENVIRONMENT, CLIMATE CHANGE AND FORESTRY**  
**STATE DEPARTMENT FOR ENVIRONMENT & CLIMATE CHANGE**  
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**REF.NO: KMD/FCST/10-2026/MARINE/43**

**Date: Issued on 22<sup>nd</sup> October, 2026**

**7-Day Marine Forecast for the Kenya Coast and Off Shore Areas**  
**Along the Western Indian Ocean Region**  
**Validity: 23/10/2026 - 29/10/2026**

**1.0 GENERAL OUTLOOK**

**1.1 Wind Speed & Direction:**

North-Easterly to South-Westerly winds are expected over Somalia and Tanzania waters with wind speeds of 04 to 18 knots (02-09m/s) throughout the forecast period.

East South-Easterly to South South-Westerly winds are expected over Kenya waters with wind speeds of 04 to 24 knots (02-12m/s) throughout the forecast period.

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

Easterly to South-South-Easterly waves are expected over Somalia, Kenya, and Tanzania waters with wave heights of 0.2-2.5m ( $\approx$  0.6-7.5ft) throughout the forecast period.

**1.3 Sea condition**

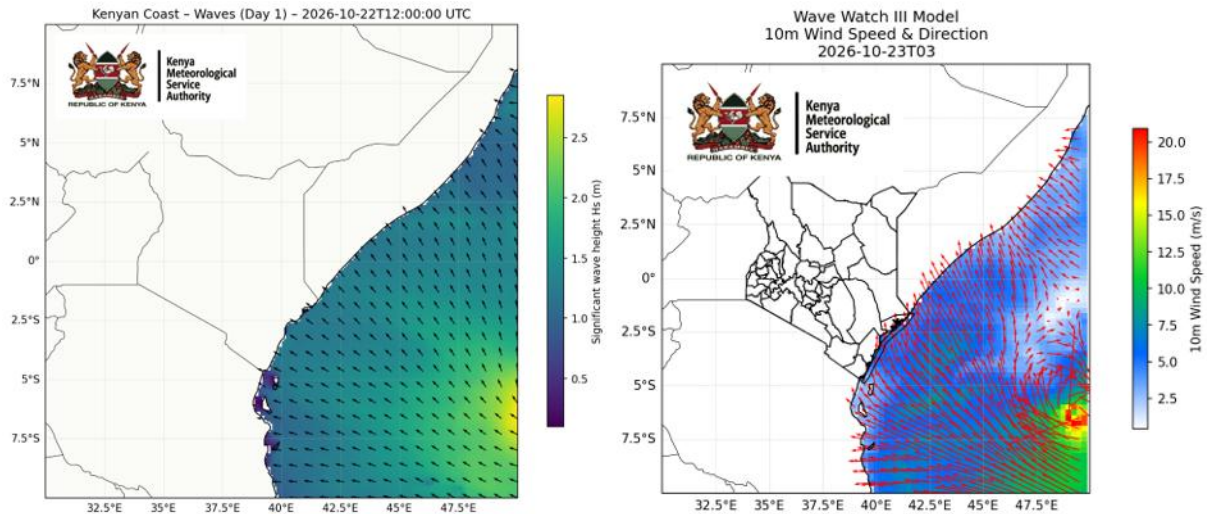
- Light to fresh breeze with wind speeds of 02–10m/s (04 to 20 Knots) expected over Somalia and Tanzania waters throughout the forecast period.
- Light to Strong breeze with wind speeds of 02–12m/s (04 to 24 Knots) expected over Kenya waters throughout the forecast period.
- Slight to Moderate Sea condition with wave heights of 0.2-2.5m ( $\approx$  0.6–7.5 ft) expected over Kenya, Tanzania and Somalia waters throughout the forecast period.

## 2.0 WINDS AND SIGNIFICANT WAVE HEIGHTS FORECAST FOR THE PERIOD 23<sup>RD</sup> OCTOBER, 2026 TO 29<sup>TH</sup> OCTOBER, 2026.

### 2.1 Friday 23<sup>rd</sup> October, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

Wave height: 0.3 m to 2.0 m ( $\approx$  0.9–6.0ft)

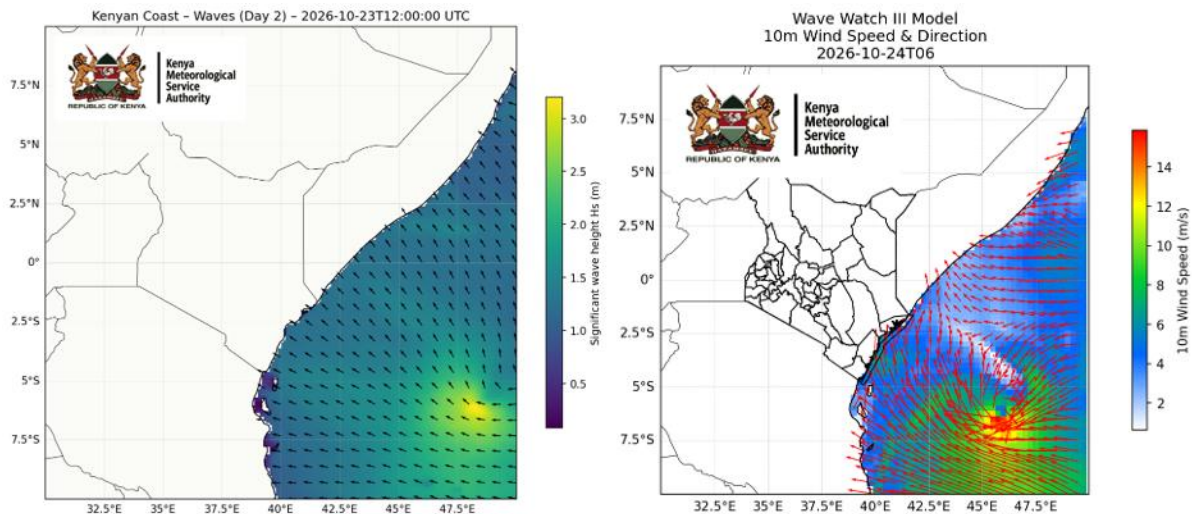
10m Winds: 5-15 knots ( $\approx$  2.5– 7.5m/s)



### 2.2 Saturday 24<sup>th</sup> 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

Wave height: 0.5 m to 3.0 m ( $\approx$  1.5–9.0ft)

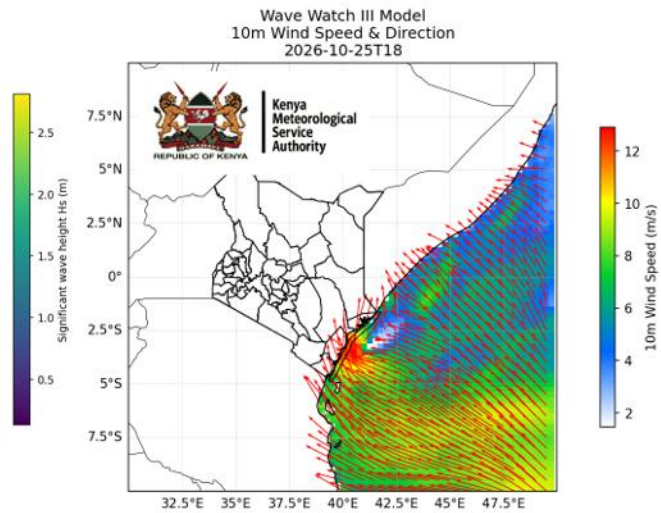
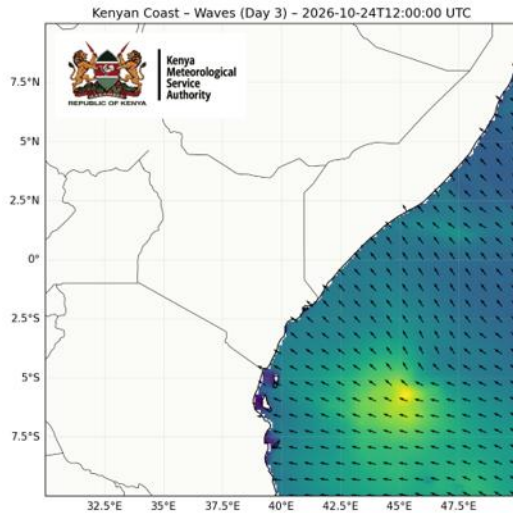
10m Winds: 4-28 knots ( $\approx$  2–14m/s)



### 2.3 Sunday 25<sup>th</sup> October, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

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

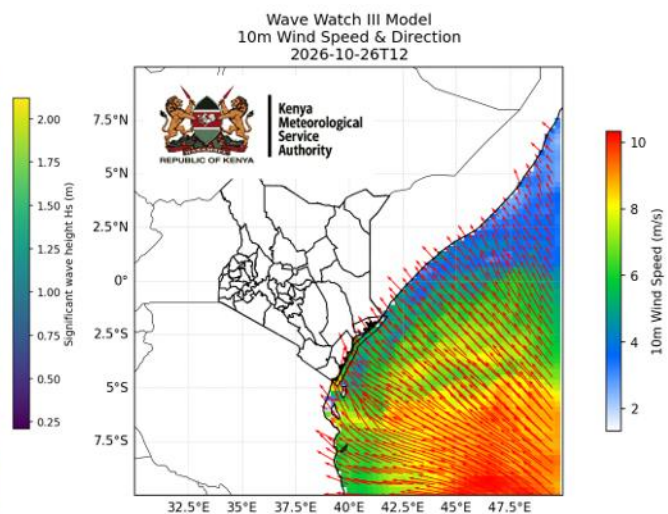
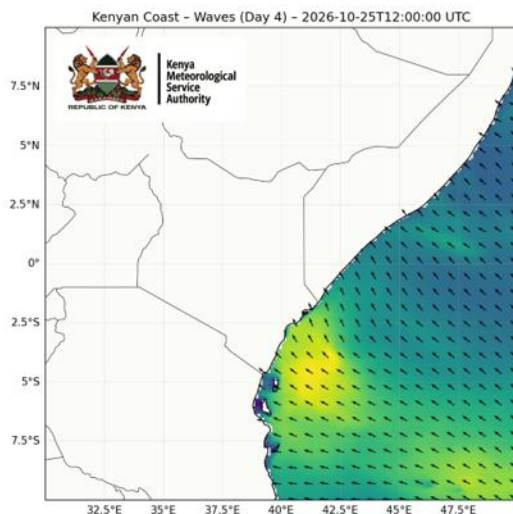
10m Winds: 4-24 knots ( $\approx$  2 –12m/s)



### 2.4 Monday 26<sup>th</sup> October, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

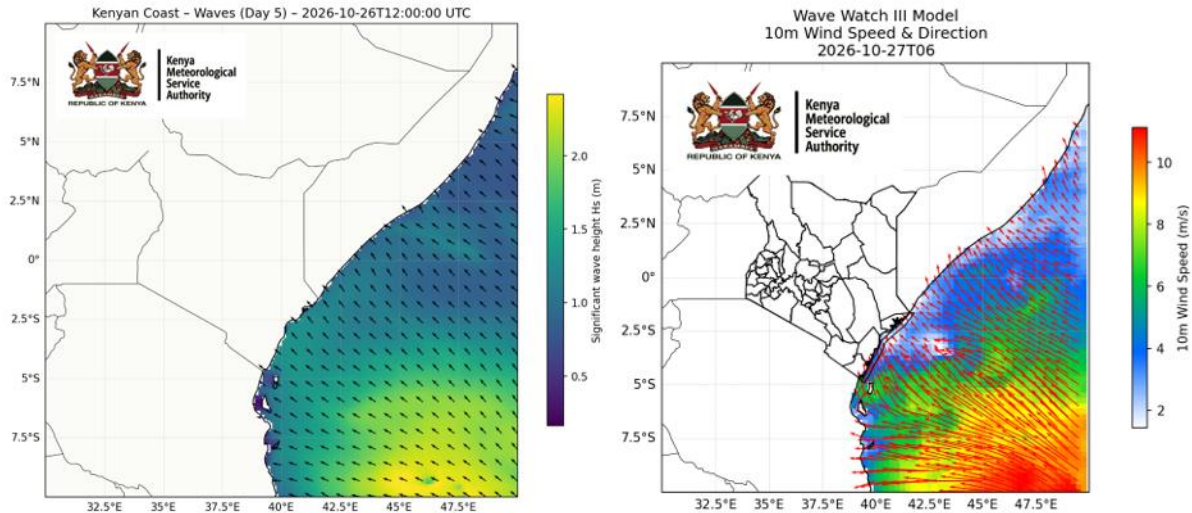
Wave height: 0.25 m to 2.0m ( $\approx$  1.5– 6.0ft)

10m Winds: 4-20 knots ( $\approx$  2– 10m/s)



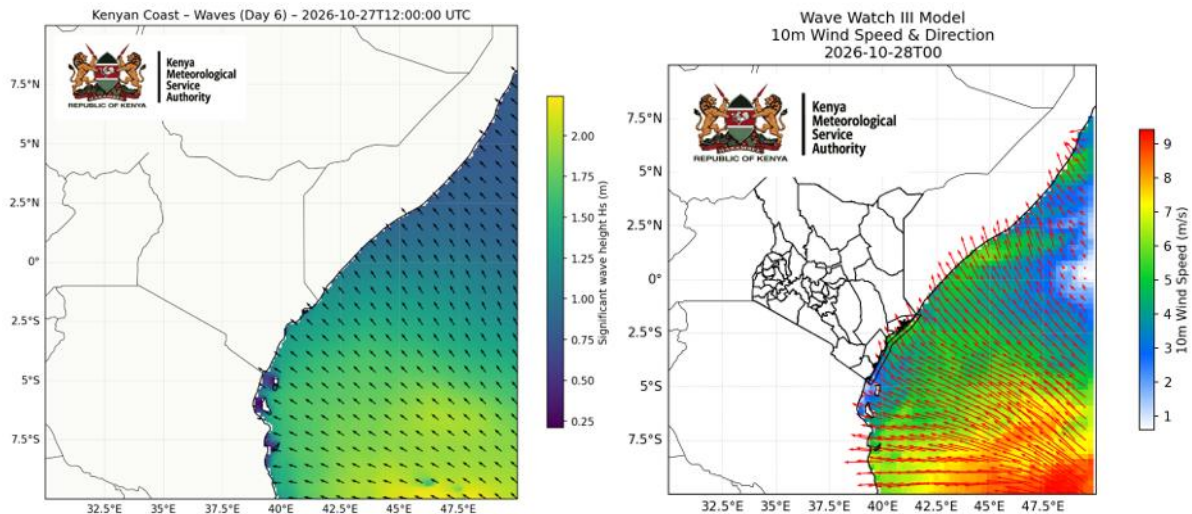
## 2.5 Tuesday 27<sup>th</sup> October, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

Wave height: 0.5m to 2.0m ( $\approx 1.5$ – 6.0ft)      10m Winds: 4-20 knots ( $\approx 2$ – 10m/s)



## 2.6 Wednesday 28<sup>th</sup> October, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

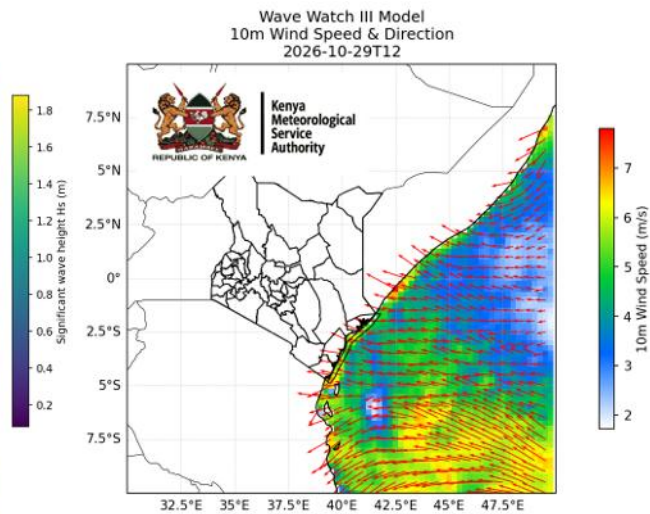
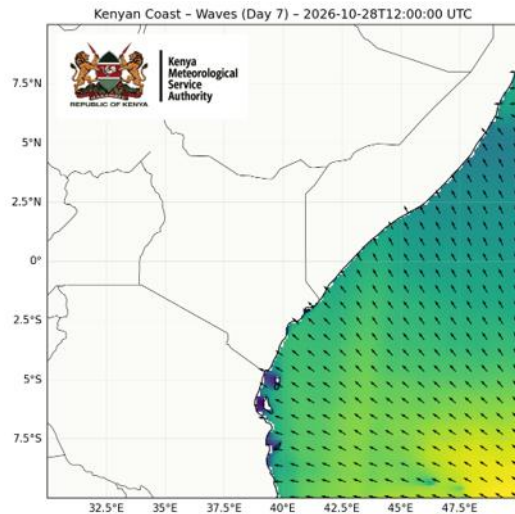
Wave height: 0.25 m to 2.0 m ( $\approx 0.75$ – 6.0ft)      10m Winds: 2-18 knots ( $\approx 1$ – 9m/s)



## 2.7 Thursday 29<sup>th</sup> October, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

Wave height: 0.2 m to 1.8m ( $\approx$  0.6– 5.4ft)

10m Winds: 4-14 knots ( $\approx$  2– 7m/s)

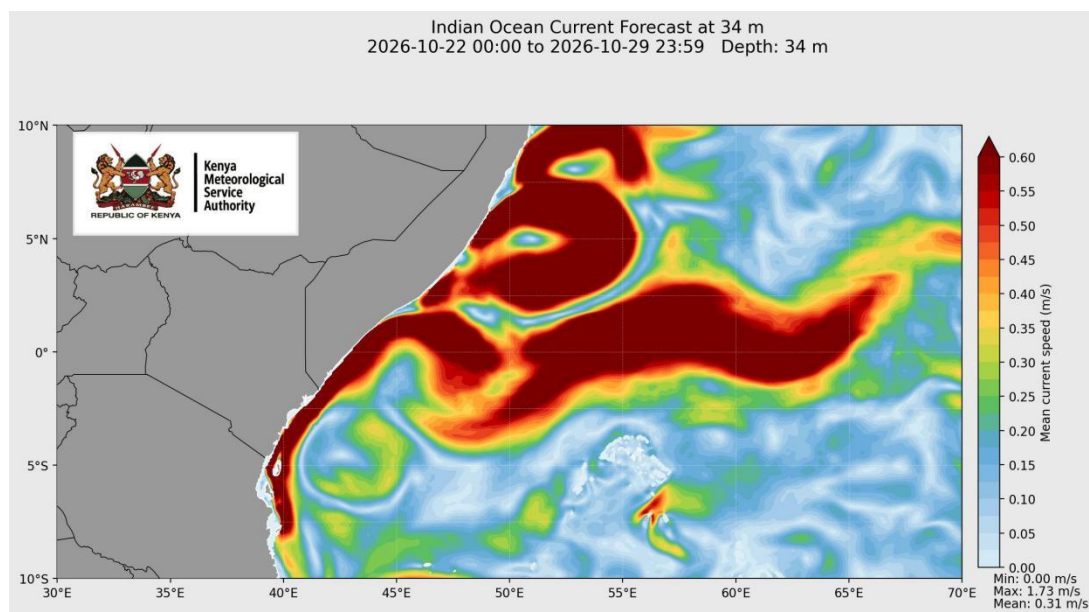


## 3.0 TIDE FORECAST VALID FROM 23<sup>RD</sup> OCTOBER, 2026 TO 29<sup>TH</sup> OCTOBER, 2026.

| Date                               | Description          | High Tide |        | Low Tide |         |
|------------------------------------|----------------------|-----------|--------|----------|---------|
|                                    |                      | Time      | Height | Time     | Height  |
| Fri 23 <sup>rd</sup> October, 2026 | 1 <sup>st</sup> Tide | 2:22 AM   | 2.87 m | 8:30 AM  | 0.80 m  |
|                                    | 2 <sup>nd</sup> Tide | 2:34 PM   | 2.87 m | 8:36 PM  | 0.63 m  |
| Sat 24 <sup>th</sup> October, 2026 | 1 <sup>st</sup> Tide | 2:52 AM   | 3.20 m | 9:04 AM  | 0.50 m  |
|                                    | 2 <sup>nd</sup> Tide | 3:08 PM   | 3.06 m | 9:06 PM  | 0.40 m  |
| Sun 25 <sup>th</sup> October, 2026 | 1 <sup>st</sup> Tide | 3:22 AM   | 3.49 m | 9:36 AM  | 0.24 m  |
|                                    | 2 <sup>nd</sup> Tide | 3:36 PM   | 3.2 m  | 9:36 PM  | 0.29 m  |
| Mon 26 <sup>th</sup> October, 2026 | 1 <sup>st</sup> Tide | 2:22 AM   | 2.87 m | 10:09 AM | 0.06 m  |
|                                    | 2 <sup>nd</sup> Tide | 2:34 PM   | 2.87 m | 10:07 PM | 0.2m    |
| Tue 27 <sup>th</sup> October, 2026 | 1 <sup>st</sup> Tide | 4:27 AM   | 3.86 m | 10:44 AM | -0.02 m |

|                                          |                            |         |        |          |        |
|------------------------------------------|----------------------------|---------|--------|----------|--------|
|                                          | <b>2<sup>nd</sup> Tide</b> | 4:51 PM | 3.26m  | 10:29 PM | 0.18 m |
| <b>Wed 28<sup>th</sup> October, 2026</b> | <b>1<sup>st</sup> Tide</b> | 5:03 AM | 3.9 m  | 11:21 AM | 0.01m  |
|                                          | <b>2<sup>nd</sup> Tide</b> | 5:28 PM | 3.17 m | 11:14 PM | 0.24 m |
| <b>Thu 29<sup>th</sup> October, 2026</b> | <b>1<sup>st</sup> Tide</b> | 5:40 AM | 3.82 m | 12:00 PM | 0.15 m |
|                                          | <b>2<sup>nd</sup> Tide</b> | 6:07 PM | 3.0 m  | 11:51 PM | 0.39 m |

#### 4.0 7 DAYS OCEAN SURFACE CURRENT IN METERS PER SECOND (M/S) FORECAST VALID 23<sup>RD</sup> TO OCTOBER,2026 TO 29<sup>TH</sup> OCTOBER,2026



#### KEY ON SEA STATE

| WAVE HEIGHT RANGE<br>(Meters)  | DESCRIPTION       | IMPACT                                                                         |
|--------------------------------|-------------------|--------------------------------------------------------------------------------|
| 0.6 – 1.0 m (≈ 1.8 – 3.0 ft)   | Slight            | <b>Conditions suitable for Marine activities</b>                               |
| 1.0 – 1.9 m (≈ 3.0 – 5.7 ft)   | Slight – Moderate |                                                                                |
| 2.0 – 2.9 m (≈ 6.0 – 8.7 ft)   | Moderate-Rough    | <b>Caution on operating marine activities</b>                                  |
| 3.0 – 4.0 m (≈ 9.0 – 12.0 ft)  | Rough             | <b>Warning in place!!!!<br/>Warning in place and marine activities on hold</b> |
| 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.<br>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.*

Phillip Okello



**For Ag. DIRECTOR GENERAL, KENYA METEOROLOGICAL SERVICE AUTHORITY**