



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

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**REF.NO: KMD/FCST/08-2026/MARINE/38**

**Date: Issued on 10<sup>th</sup> September, 2026**

**7-Day Marine Forecast for the Kenya Coast and Off Shore Areas**  
**Along the Western Indian Ocean Region**  
**Validity: 11/09/2026 - 17/09/2026**

**1.0 GENERAL OUTLOOK**

**1.1 Wind Speed & Direction:**

Southerly to South-Westerly winds are expected over Somalia waters with wind speeds of 12 to 24 knots (6-12m/s) throughout the forecast period.

South-Easterly to South-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 0.5-2.5m ( $\approx$  1.5–7.5ft) throughout the forecast period.

**1.3 Sea condition**

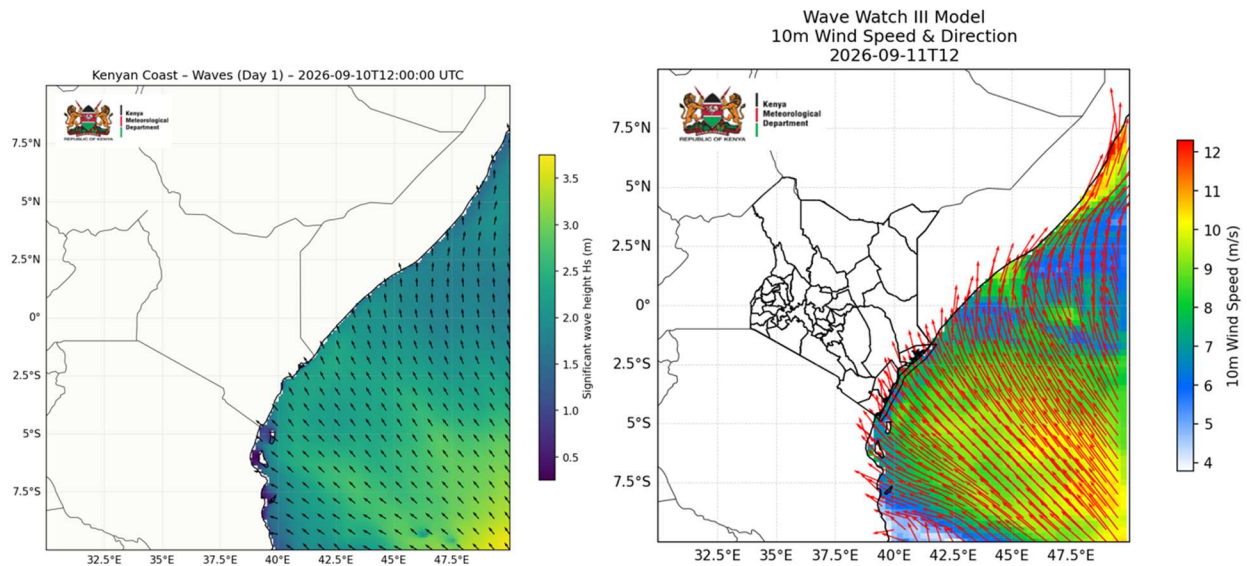
- Light to fresh breeze with wind speeds of 02–10m/s (04 to 20 Knots) expected over Kenya and Tanzania waters throughout the forecast period.
- Gentle breeze to strong breeze with wind speeds of 06–12m/s (12 to 24 Knots) expected over Somalia waters throughout the forecast period
- Slight to Rough sea condition with wave heights of 0.5-2.5m ( $\approx$  1.5–7.5 ft) expected over Kenya, Tanzania and Somalia waters throughout the forecast period.

## 2.0 WINDS AND SIGNIFICANT WAVE HEIGHTS FORECAST FOR THE PERIOD 11<sup>TH</sup> SEPTEMBER, 2026 TO 17<sup>TH</sup> SEPTEMBER, 2026.

### 2.1 Friday 11<sup>th</sup> September, 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 ( $\approx 1.5$ – $7.5$ ft)

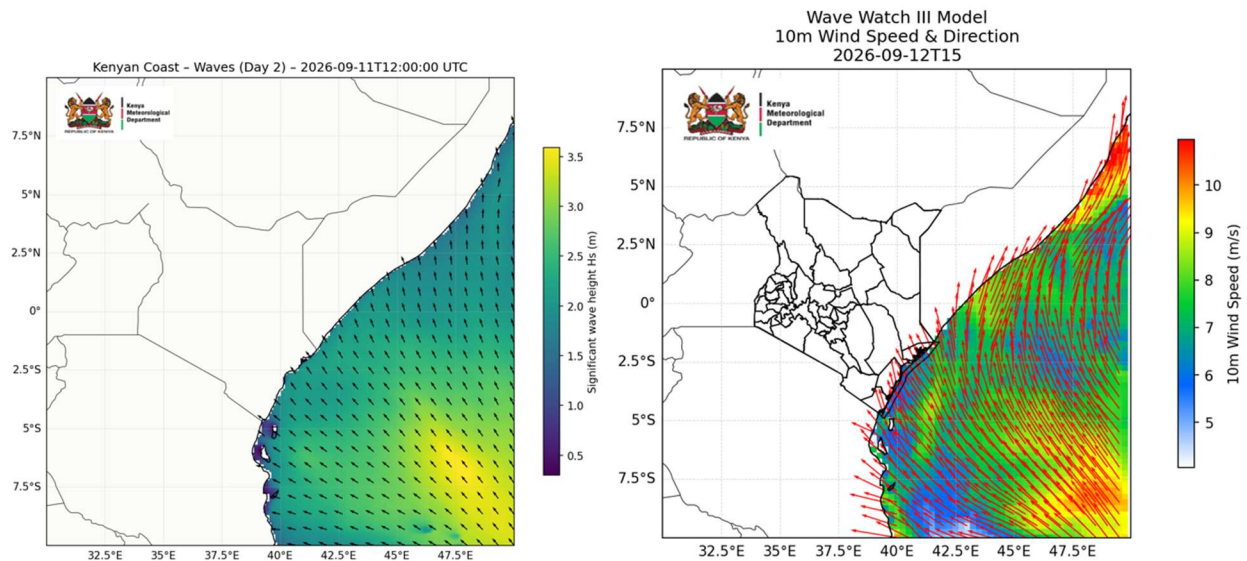
10m Winds: 08-24 knots ( $\approx 4$  –  $12$ m/s)



### 2.2 Saturday 12<sup>th</sup> September, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

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

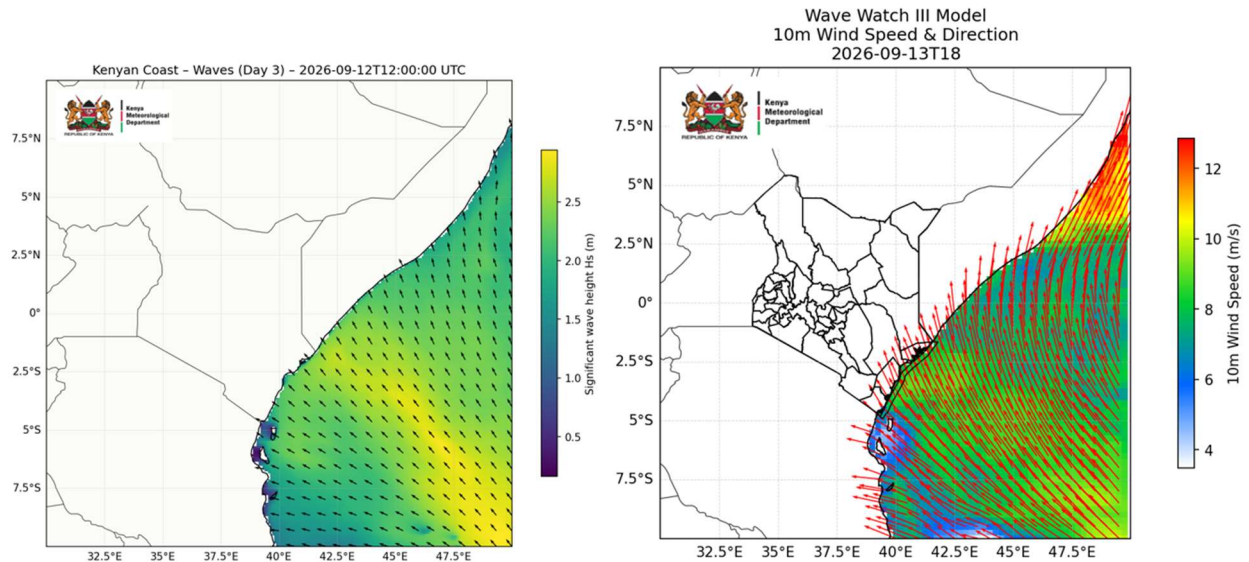
10m Winds: 10-22 knots ( $\approx 5$ – $11$ m/s)



## 2.3 Sunday 13<sup>th</sup> September, 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 ( $\approx 1.5$ – 7.5 ft)

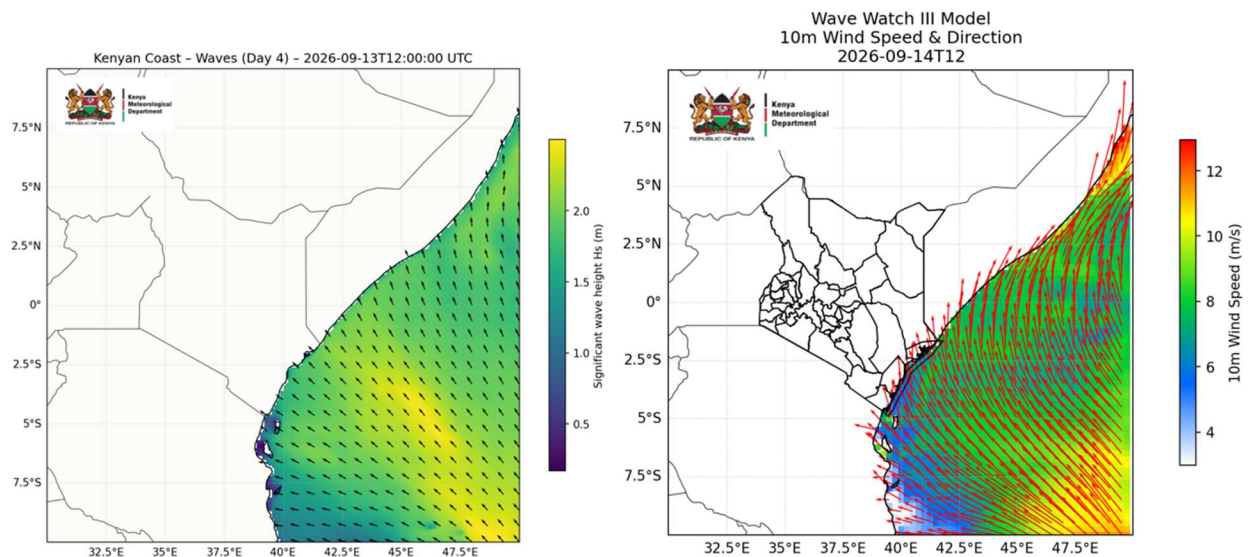
10m Winds: 08-24 knots ( $\approx 04$ –12m/s)



## 2.4 Monday 14<sup>th</sup> September, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

Wave height: 0.4 m to 2.5m ( $\approx 1.2$ – 7.2ft)

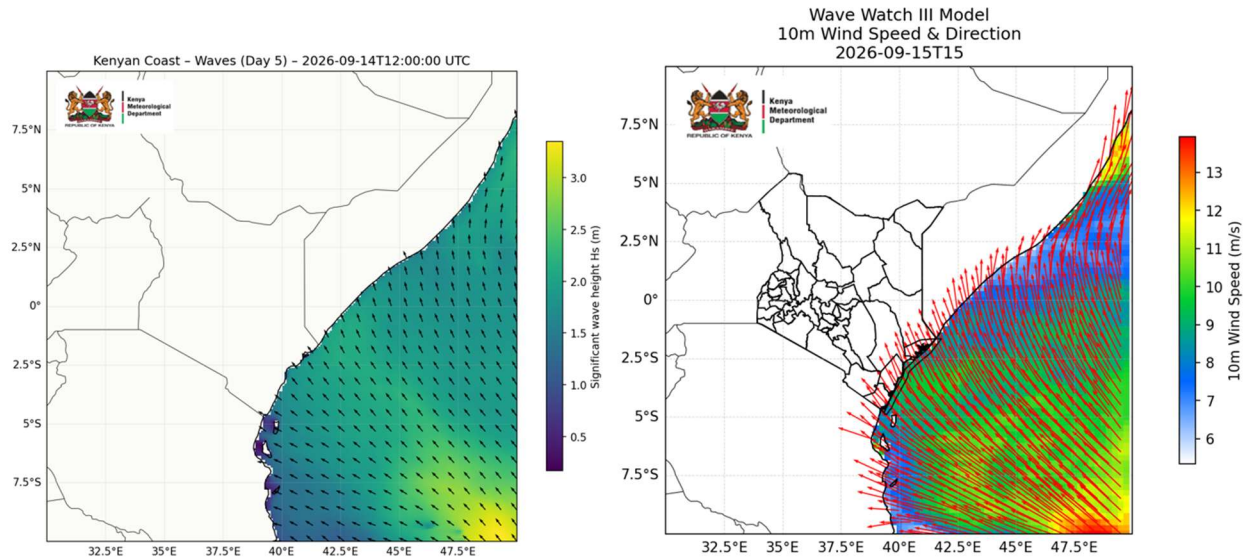
10m Winds: 04-24 knots ( $\approx 2$ – 12m/s)





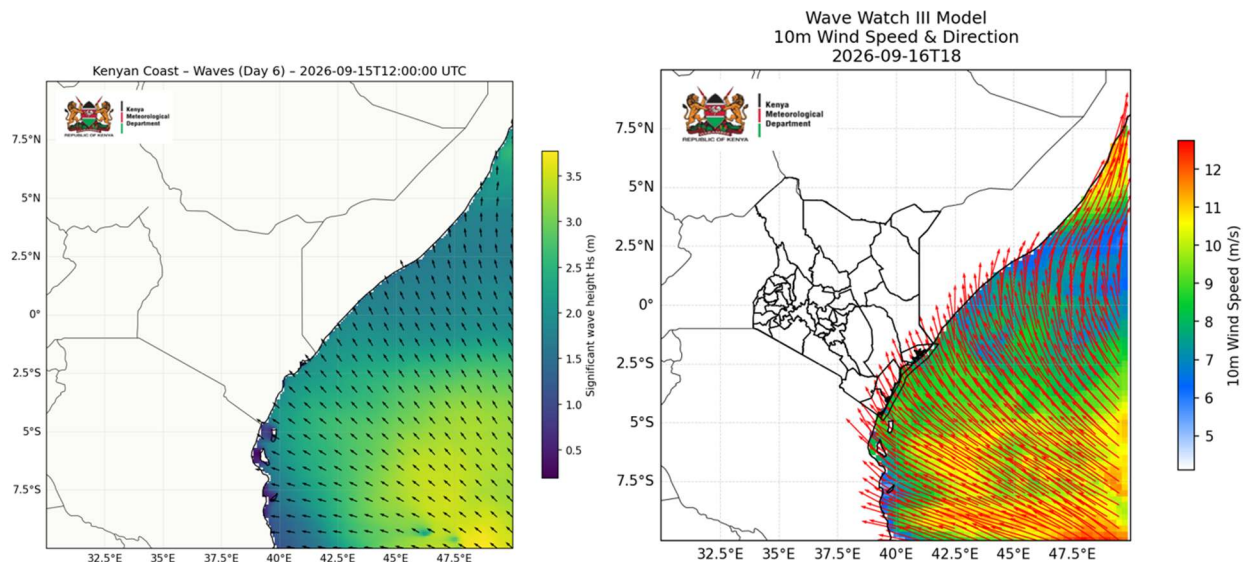
## 2.5 Tuesday 15<sup>th</sup> September, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

Wave height: 0.5m to 2.5m ( $\approx 1.5 - 7.5$ ft)      10m Winds: 12-24 knots ( $\approx 6 - 12$  m/s)



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

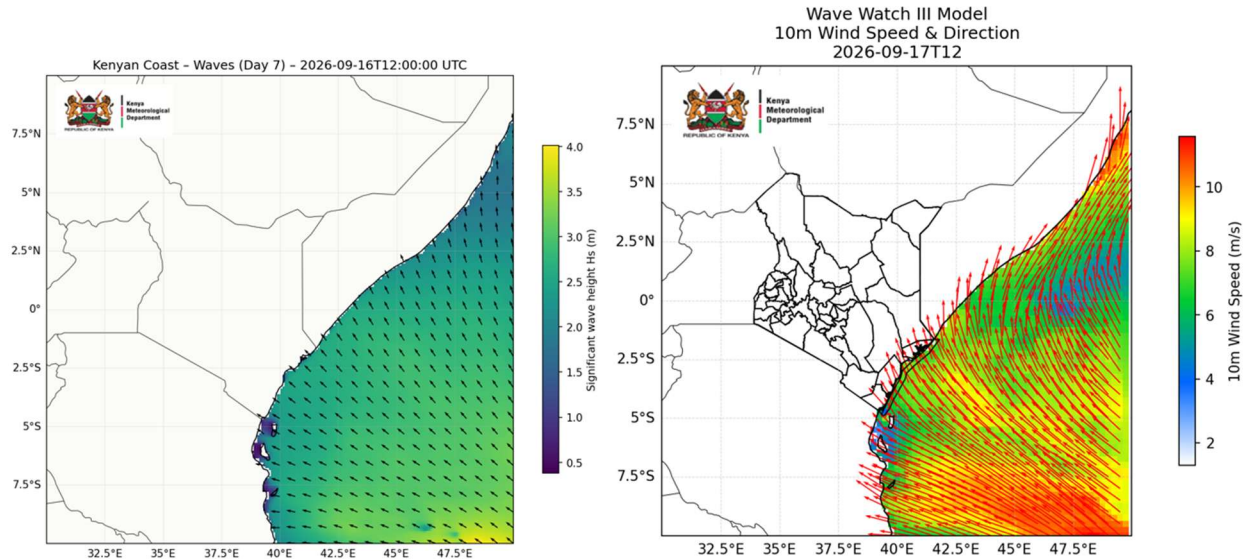
Wave height: 0.5 m to 2.5m ( $\approx 1.5 - 7.5$ ft)      10m Winds: 10-24 knots ( $\approx 5 - 12$  m/s)



## 2.7 Thursday 17<sup>th</sup> September, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

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

10m Winds: 04-22 knots ( $\approx 2 - 11$ m/s)

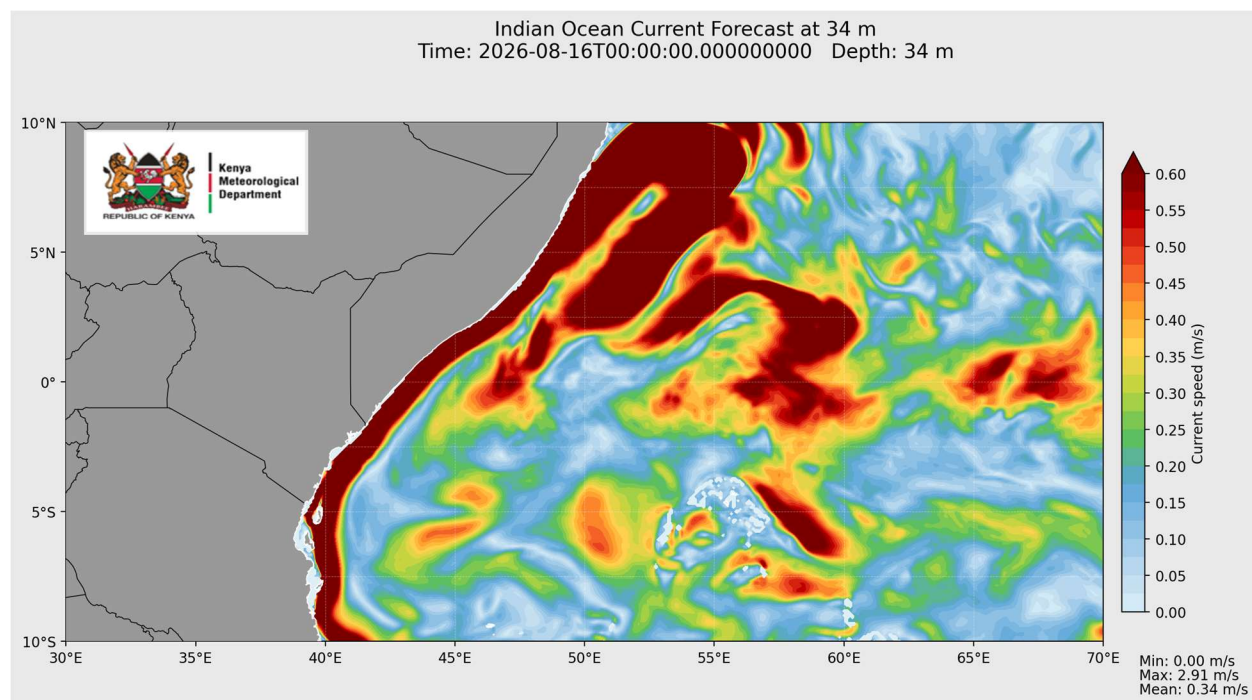


## 3.0 TIDE FORECAST VALID FROM 11<sup>TH</sup> SEPTEMBER, 2026 TO 17<sup>TH</sup> SEPTEMBER, 2026.

| Date                                 | Description          | High Tide |        | Low Tide |        |
|--------------------------------------|----------------------|-----------|--------|----------|--------|
|                                      |                      | Time      | Height | Time     | Height |
| Fri 11 <sup>th</sup> September, 2026 | 1 <sup>st</sup> Tide | 4:17 AM   | 3.43 m | 10:19 AM | 0.19 m |
|                                      | 2 <sup>nd</sup> Tide | 4:31 PM   | 3.54 m | 10:36 PM | 0.09 m |
| Sat 12 <sup>th</sup> September, 2026 | 1 <sup>st</sup> Tide | 4:49 AM   | 3.61 m | 10:54 AM | 0.09 m |
|                                      | 2 <sup>nd</sup> Tide | 5:04 PM   | 3.52 m | 11:05 PM | 0.07 m |
| Sun 13 <sup>th</sup> September, 2026 | 1 <sup>st</sup> Tide | 5:21 AM   | 3.68 m | 11:26 AM | 0.09 m |
|                                      | 2 <sup>nd</sup> Tide | 5:35 PM   | 3.42 m | 11:33 PM | 0.13 m |
| Mon 14 <sup>th</sup> September, 2026 | 1 <sup>st</sup> Tide | 05:50 AM  | 3.64 m | 11:58 AM | 0.18 m |
|                                      | 2 <sup>nd</sup> Tide | 6:05 PM   | 3.25 m |          |        |

|                                            |                            |          |        |          |        |
|--------------------------------------------|----------------------------|----------|--------|----------|--------|
| <b>Tue 15<sup>th</sup> September, 2026</b> | <b>1<sup>st</sup> Tide</b> | 06:19 AM | 3.52 m | 00:00 AM | 0.26 m |
|                                            | <b>2<sup>nd</sup> Tide</b> | 6.33 PM  | 3.02 m | 12:29 PM | 0.36 m |
| <b>Wed 16<sup>th</sup> September, 2026</b> | <b>1<sup>st</sup> Tide</b> | 06:48 AM | 3.32 m | 00:27 AM | 0.44 m |
|                                            | <b>2<sup>nd</sup> Tide</b> | 07:00 PM | 2.77 m | 1:00 PM  | 0.59 m |
| <b>Thu 17<sup>th</sup> September, 2026</b> | <b>1<sup>st</sup> Tide</b> | 07:17 AM | 3.07 m | 00:53 AM | 0.68 m |
|                                            | <b>2<sup>nd</sup> Tide</b> | 07:28 PM | 2.49 m | 1:33 PM  | 0.87 m |

#### 4.0 7 DAYS OCEAN SURFACE CURRENT IN METERS PER SECONDS (M/S) FORECAST VALID 11/09/2026 TO 17/09/2026



**KEY ON SEA STATE**

| <b>WAVE HEIGHT RANGE<br/>(Meters)</b>   | <b>DESCRIPTION</b> | <b>IMPACT</b>                                                                  |
|-----------------------------------------|--------------------|--------------------------------------------------------------------------------|
| 0.6 – 1.0 m ( $\approx$ 1.8 – 3.0 ft)   | Slight             | <b>Conditions suitable for Marine activities</b>                               |
| 1.0 – 1.9 m ( $\approx$ 3.0 – 5.7 ft)   | Slight – Moderate  |                                                                                |
| 2.0 – 2.9 m ( $\approx$ 6.0 – 8.7 ft)   | Moderate-Rough     | <b>Caution on operating marine activities</b>                                  |
| 3.0 – 4.0 m ( $\approx$ 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 ( $\approx$ 12.3 – 16.5 ft) | Very Rough         |                                                                                |

**KEY ON SEA STATE**

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

***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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Duty Analysts

Marine Forecasting Services

For

DIRECTOR,

KENYA METEOROLOGICAL DEPARTMENT