



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

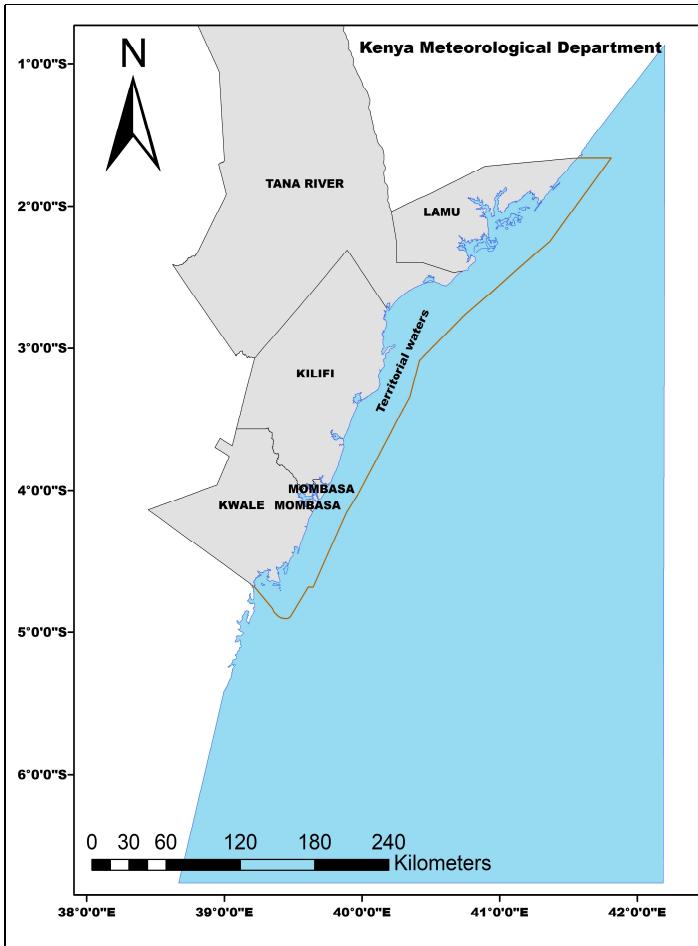
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**DAILY MARINE NEAR SHORE FORECAST FOR KENYAN COAST**

**Issued at: 1500 EAT on 21<sup>st</sup> December, 2025**

**Valid: 0000 EAT on 22<sup>nd</sup> December, 2025 to 0000 EAT on 23<sup>rd</sup> December, 2025**



**GENERAL OUTLOOK**

**Morning sea state:**

- Light to breezy NNW to NE winds (03-11 knots) with smooth to moderate choppy seas. ESE waves of (3-4 ft) (0.9-1.2 m) with small short to mid period waves of (10 sec) are expected in Kwale, Mombasa, Kilifi and Lamu.

**Afternoon sea state:**

- Breezy to moderate strong NE to E winds (10-19 knots) with moderate choppy seas. ESE waves of 4-5 feet (1.2-1.5 m) with small to mid-period waves of (10 sec) are expected in Kwale, Mombasa, Kilifi and Lamu.

**Visibility:**

- Moderate visibility (9-10 km) expected in Kwale, Mombasa, Kilifi and Lamu.

## **COASTAL COUNTIES MARINE NEAR SHORE FORECAST**

### **i. KWALE**

- Morning Winds: NNW 3 knots.
- Morning Waves: ESE 3 feet at 10 seconds.
- Morning sea state: Light NNW winds with a slight chop. Small mid period waves.
- Afternoon Winds: ENE 14 to 18 knots.
- Afternoon Waves: ESE 4 feet at 10 seconds.
- Afternoon sea state: Breezy NE winds with moderate choppy seas. Very small mid period waves.
- Sunrise; **6.09AM** and sunset; **6:33PM**
- Visibility: **Moderate (9-10 km)**
- High Tide: **5:18AM; 3.51m, 5:44PM; 2.9m**
- Low Tide: **11:43AM; 0:51m, 11:34PM; 0.71m**

### **ii. MOMBASA**

- Morning Winds: N 6 to 8 knots.
- Morning Waves: ESE 4 feet at 10 seconds.
- Morning sea state: Light N winds with a slight chop. Small mid period waves.
- Afternoon Winds: NE 13 to 16 knots.
- Afternoon Waves: ESE 4 feet at 10 seconds.
- Afternoon sea state: Breezy NE winds with moderate choppy seas. Small mid period waves.
- Sunrise; **6.09AM** and sunset; **6:30PM**
- Visibility: **Moderate (9-10 km)**
- High Tide: **5:20AM; 3.42m, 5:51PM; 2.82m**
- Low Tide: **11:45AM; 0.45m, 11:33PM; 0.75m**

### **iii. KILIFI**

- Morning Winds: NE 11 knots.
- Morning Waves: ESE 4 feet at 10 seconds.
- Morning sea state: Breezy NE winds with moderate choppy seas. Small mid period waves.
- Afternoon Winds: NE 15 to 16 knots.
- Afternoon Waves: ESE 5 feet at 10 seconds.
- Afternoon sea state: Moderate to strong NE winds with choppy seas. Small mid period waves.
- Sunrise; **6.08AM** and sunset; **6:29 PM**
- Visibility: **Moderate (9-10km)**
- High Tide: **5:12AM; 3.14m, 5:43PM; 2.57m**
- Low Tide: **11:39AM; 0.26m, 11:29 PM; 0.57m**

### **iv. LAMU**

- Morning Winds: N 3 to 7 knots.
- Morning Waves: ESE 4 feet at 10 seconds.
- Morning sea state: Light and variable winds with smooth seas. Very small short period waves
- Afternoon Winds: E 10 to 19 knots.
- Afternoon Waves: ESE 5 feet at 10 seconds.
- Afternoon sea state: Breezy E winds with moderate choppy seas. Small mid period waves
- Sunrise; **6:07AM and Sunset; 6:23PM**
- Visibility: **Moderate (9-10km)**
- High Tide: **5:12AM; 3.03m, 5:45PM; 2.43m**
- Low Tide: **11:42AM; 0.24m, 11:29PM; 0.56m**

**Advisory**

- Slight to moderate sea conditions are expected with a significant wave height of (0.9-1.5 m) in Kwale, Mombasa, Kilifi and Lamu.
- Light breeze to gentle breeze of (03-19 knots) expected in Kwale, Mombasa Kilifi and Lamu throughout the forecast period.

**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 – 6 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!!!!

*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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