



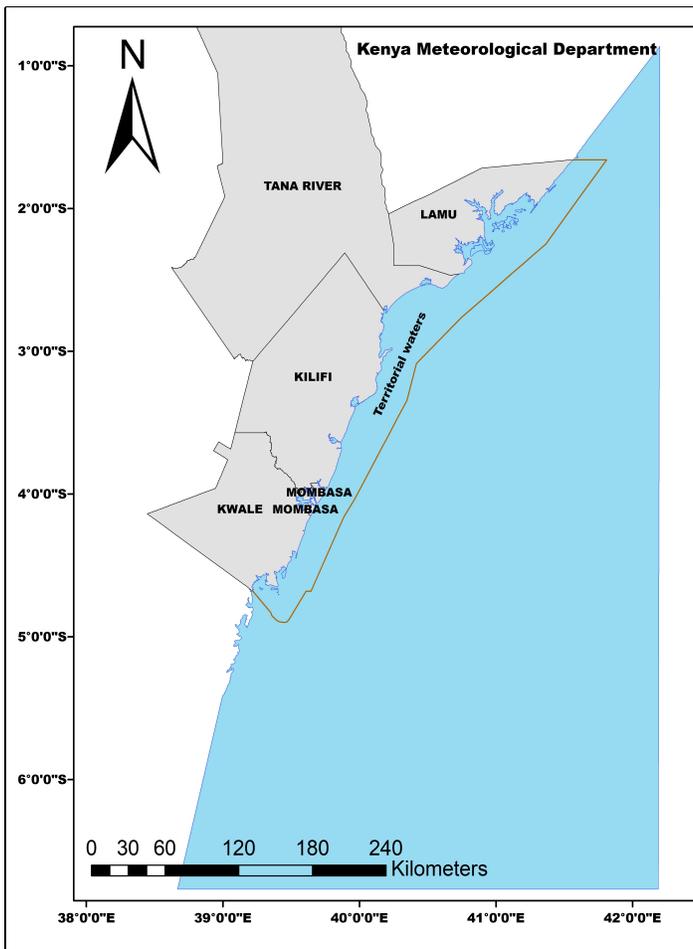
**REPUBLIC OF KENYA**  
**MINISTRY OF ENVIRONMENT, CLIMATE CHANGE AND FORESTRY**

**KENYA METEOROLOGICAL DEPARTMENT**

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**DAILY MARINE NEAR SHORE FORECAST FOR KENYAN COAST**  
**Issued at: 1500 EAT on 24<sup>th</sup> February, 2025**  
**Valid: 0000 EAT on 25<sup>th</sup> February 2025 to 0000 EAT on 26<sup>th</sup> February 2025**



**GENERAL OUTLOOK**

**Morning sea state:**

- Light to breezy NNW to NNE winds (04-13 knots) with slight to moderate choppy seas. E to ENE waves of 4-5ft (1.2-1.5m) with small period waves of (6-7sec) are expected in Kwale, Mombasa, Kilifi and Lamu.

**Afternoon sea state:**

- Breezy to moderately strong E to NE winds (13-26 knots) with moderate choppy seas. E to ENE waves of 5-6feet (1.5-1.8m) with small period waves of (6sec) 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 8 to 10 knots.
- Morning Waves: ENE 4 feet at 7 seconds.
- Morning sea state: Light NW winds with a slight chop. Small short period waves.
- Afternoon Winds: NE 19 to 22 knots.
- Afternoon Waves: ENE 5 feet at 6 seconds.
- Afternoon sea state: Moderate to strong NE winds with choppy seas. Small very short period waves.
- Sunrise; **6:29AM** and sunset; **6:41PM**
- Visibility: Moderate (**9-10 km**)
- High Tide: **2:38AM; 3.02m, 3:11PM; 2.71m**
- Low Tide: **9:12AM;0.88m, 9:03PM;0.92m**

### **ii. MOMBASA**

- Morning Winds: NNW 7 to 8 knots.
- Morning Waves: ENE 4 feet at 7 seconds.
- Morning sea state: Light NNW winds with a slight chop. Small short period waves.
- Afternoon Winds: NE 16 to 19 knots.
- Afternoon Waves: ENE 5 feet at 6 seconds.
- Afternoon sea state: Moderate to strong NE winds with choppy seas. Small very short period waves.
- Sunrise; **6:28AM** and sunset; **6:40PM**
- Visibility: **Moderate (9-10 km)**
- High Tide: **2:36AM; 2.91m, 3:17PM; 2.59m**
- Low Tide: **9:14AM; 0.88m, 9:01PM;1.01m**

### **iii. KILIFI**

- Morning Winds: NNE 12 to 13 knots.
- Morning Waves: ENE 5 feet at 7 seconds.
- Morning sea state: Breezy NNE winds with moderate choppy seas. Small short period waves.
- Afternoon Winds: ENE 17 to 20 knots.
- Afternoon Waves: ENE 5 feet at 6 seconds.
- Afternoon sea state: Moderate to strong ENE winds with choppy seas. Moderate very short period waves.
- Sunrise; **6:27AM** and sunset; **6:39PM**
- Visibility: **Moderate (9-10km)**
- High Tide: **2:32AM; 2.64m, 3:16PM;2.3m**
- Low Tide: **9:10AM; 0.64m, 8:55PM;0.82m**

### **iv. LAMU**

- Morning Winds: NNE 4 to 9 knots.
- Morning Waves: E 4 feet at 6 seconds.
- Morning sea state: Light and variable winds with smooth seas. Small very short period waves.
- Afternoon Winds: E 13 to 26 knots.
- Afternoon Waves: E 6 feet at 6 seconds.
- Afternoon sea state: Breezy E winds with moderate choppy seas. Moderate very short period waves.
- Sunrise; **6:24AM** and Sunset; **6:34PM**
- Visibility: **Moderate (9-10km)**
- High Tide: **2:32AM; 2.54m, 3:17PM;2.18m**
- Low Tide: **9:13AM; 0.6m, 8:55PM;0.8m**

### Advisory

- Slight to moderate sea conditions are expected with a significant wave height of 1.2-1.8m in Kwale, Mombasa, Kilifi and Lamu.
- Light to strong breeze of (04-26knots) expected in Kwale, Mombasa Kilifi and Lamu throughout the forecast period. Small boats and crafts are advised to be cautious while venturing into deep sea areas in Lamu

#### 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!!!!

*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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