



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

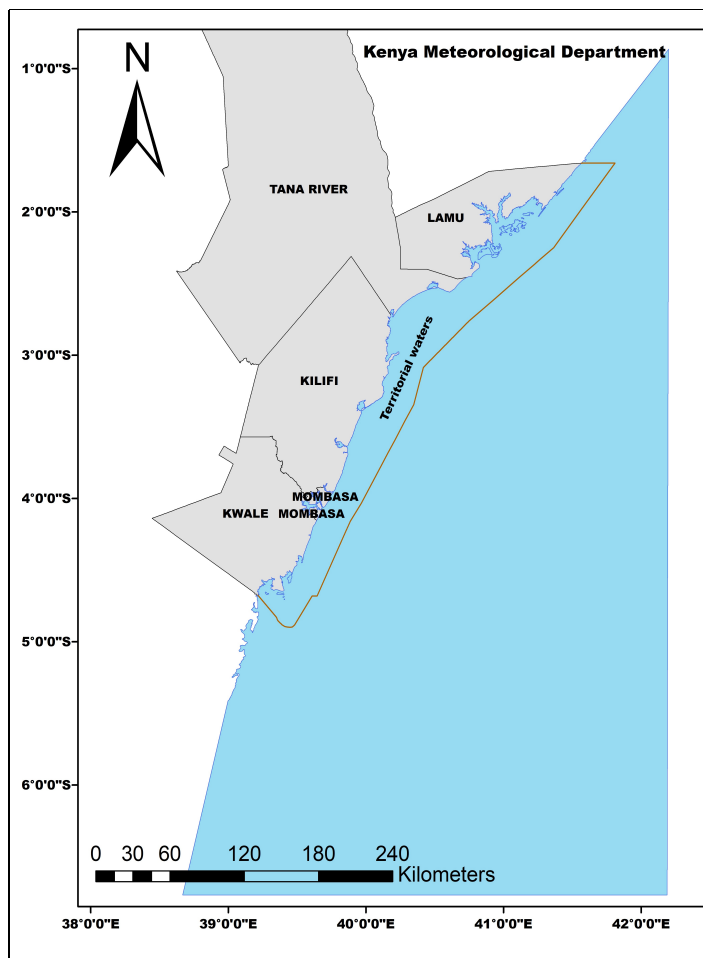
**KENYA METEOROLOGICAL DEPARTMENT**

Dagoretti Corner, Ngong Road, P. O. Box 30259, 00100 GPO, Nairobi, Kenya  
Telephone: 254 (0) 20 3867880-7, Fax: 254 (0) 20 3876955/3877373/3867888,  
e-mail: [director@meteo.go.ke](mailto:director@meteo.go.ke), [info@meteo.go.ke](mailto:info@meteo.go.ke) Website: <http://www.meteo.go.ke>

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

Issued at: 1500 EAT on 24<sup>th</sup> January, 2025

Valid: 0000 EAT on 25<sup>th</sup> January 2025 to 0000 EAT on 26<sup>th</sup> January 2025



**GENERAL OUTLOOK**

**Morning sea state:**

- Light and variable winds (04-16 knots) with slight choppy seas. ESE waves of 4-6 feet (1.2m -1.8m) with small period waves of (7 sec) are expected in Kwale, Mombasa, Kilifi and Lamu.

**Afternoon sea state:**

- Light E to SE winds (11-24 knots) with slight choppy seas. ESE waves of 4-6 feet (1.2m-1.8m) with small period waves of (7 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 12 to 16 knots.
- Morning Waves: ENE 6 feet at 8 seconds.
- Morning sea state: Breezy NNW winds with moderate choppy seas. Moderate short period waves.
- Afternoon Winds: ENE 21 to 24 knots.
- Afternoon Waves: ENE 6 feet at 8 seconds.
- Afternoon sea state: Strong ENE winds with very choppy seas. Small Craft Advisory. Moderate short period waves.
- Visibility: Moderate (9-10 km)
- High Tide: **00:55 AM; 2.7m, 01:48 AM; 2.2m**
- Low Tide: **08:00 AM; 1.3m, 07:20 PM; 1.4m**

### **ii. MOMBASA**

- Morning Winds: NNW 7 to 10 knots.
- Morning Waves: ENE 5 feet at 8 seconds.
- Morning sea state: Light NNW winds with a slight chop. Small short period waves.
- Afternoon Winds: ENE 14 to 16 knots.
- Afternoon Waves: ENE 4 feet at 8 seconds.
- Afternoon sea state: Breezy ENE winds with moderate choppy seas. Small short period waves.
- Sunrise; **5:57AM** and sunset; **6:17PM**
- Visibility: **Moderate (9-10 km)**
- High Tide: **00:44AM; 2.6m, 01:46PM; 2.1m,**
- Low Tide: **07:50AM; 1.3m, 07:13PM; 1.4m**

### **iii. KILIFI**

- Morning Winds: NNE 11 to 12 knots.
- Morning Waves: ENE 6 feet at 8 seconds.
- Morning sea state: Breezy NNE winds with moderate choppy seas. Moderate short period waves.
- Afternoon Winds: ENE 16 to 18 knots.
- Afternoon Waves: ENE 5 feet at 8 seconds.
- Afternoon sea state: Moderate to strong ENE winds with choppy seas. Moderate short period waves.
- Sunrise; **5:57AM** and sunset; **6:15PM**
- Visibility: **Moderate (9-10km)**
- High Tide: **00:42AM; 2.3m, 01:55PM; 1.8m,**
- Low Tide; **07:55AM; 1.1m, 07:12PM; 1.2m**

### **iv. LAMU**

- Morning Winds: NNE 4 to 10 knots.
- Morning Waves: E 4 feet at 8 seconds.
- Morning sea state: Light and variable winds with smooth seas. Small short period waves.
- Afternoon Winds: E 11 to 21 knots.
- Afternoon Waves: E 5 feet at 6 seconds.
- Afternoon sea state: Breezy E winds with moderate choppy seas. Moderate very short period waves.
- Sunrise; **00:38AM** and sunset; **6:10PM**
- Visibility: **Moderate (9-10km)**
- High Tide: **00:42AM; 2.2m, 01:55 AM; 1.7m,**
- Low Tide: **08:00 AM; 1.0m, 07:10 PM; 1.2m**

### Advisory

- Slight sea conditions are expected with a significant wave height of 1.2m - 1.8m in Kwale, Mombasa, Kilifi and Lamu.
- Light breeze to Strong breeze of (04-24 knots) expected in Kwale, Mombasa, Kilifi and Lamu.

### KEY ON SEA STATE

WAVE HEIGHT RANGE (Meters)	DESCRIPTION	IMPACT
0.6 – 1.0 m ( $\approx$ 1.8 – 3.0 ft)	Slight	Conditions suitable for Marine activities
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	Caution on operating marine activities
3.0 – 4.0 m ( $\approx$ 9.0 – 12.0 ft)	Rough	Warning in place!!!! Warning in place and marine activities on hold
4.1 – 5.5 m ( $\approx$ 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 – $\geq$ 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.*

Mr. Kainga M. Misheck  
Duty Analyst  
Marine Forecasting Services

For DIRECTOR,  
KENYA METEOROLOGICAL DEPARTMENT