



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

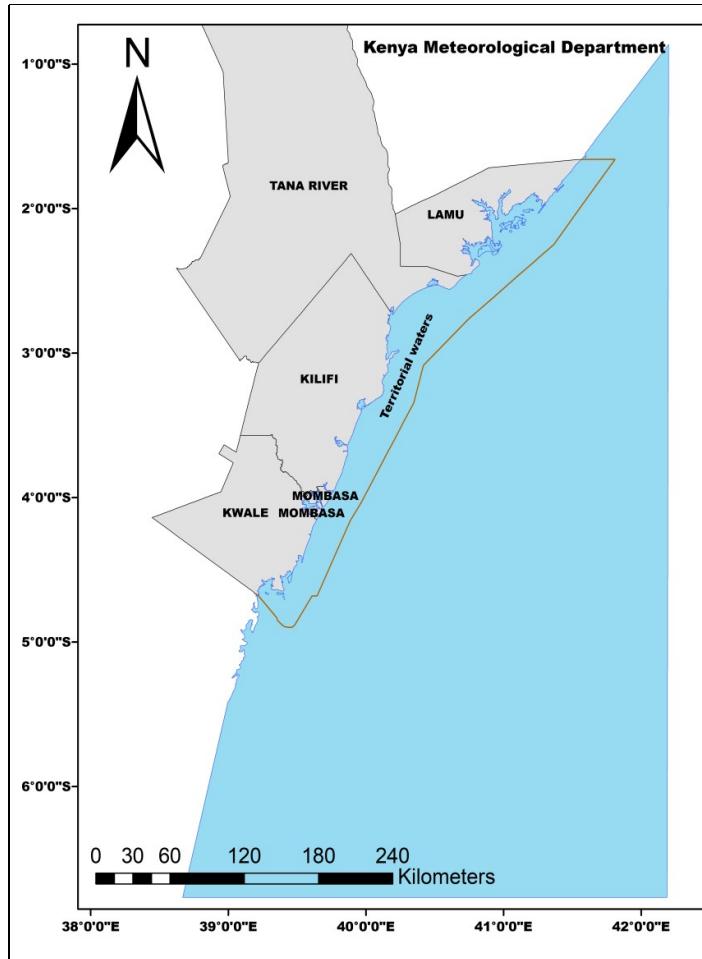
Dagoretti Corner, Ngong Road, P. O. Box 30259, 00100 GPO, Nairobi, Kenya  
Telephone: 254 (0) 20 3867880-7, Fax: 254 (0) 20 3876955/3877373/3867888,  
e-mail: [director@meteo.go.ke](mailto:director@meteo.go.ke), [info@meteo.go.ke](mailto:info@meteo.go.ke) Website: <http://www.meteo.go.ke>

---

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

**Issued at: 1500 EAT on 02<sup>nd</sup> January, 2026**

**Valid: 0000 EAT on 03<sup>rd</sup> January, 2026 to 0000 EAT on 04<sup>th</sup> January, 2026**



**GENERAL OUTLOOK**

**Morning sea state:**

- Light to breeze N to NNE winds (03-12 knots) with slight to moderate choppy seas. ENE to ESE waves of (3-4 ft) (0.9 – 1.2 m) with small short to small mid period waves of (7-11 sec) are expected in Kwale, Mombasa, Kilifi and Lamu.

**Afternoon sea state:**

- Breezy to strong NE to E winds (11-20 knots) with moderate choppy to choppy seas. ESE waves of 4-5 feet (1.2-1.5 m) with very small to mid-short period waves of (5-10 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: N 7 to 12 knots.
- Morning Waves: ESE 3 feet at 11 seconds.
- Morning sea state: Light N winds with a slight chop. Small mid period waves.
- Afternoon Winds: NE 16 to 20 knots.
- Afternoon Waves: ESE 4 feet at 10 seconds.
- Afternoon sea state: Moderate to strong NE winds with choppy seas. Small mid period waves.
- Sunrise; **6.15 AM** and sunset; **6:38 PM**
- Visibility: Moderate (**9-10 km**)
- High Tide: **3:43 AM; 3.76 m, 4:17 PM; 3.1 m**
- Low Tide: **10:13 AM; 0.27 m, 10:09 PM; 0.47 m**

### **ii. MOMBASA**

- Morning Winds: N 7 to 11 knots.
- Morning Waves: ESE 4 feet at 11 seconds.
- Morning sea state: Light N winds with a slight chop. Small mid period waves.
- Afternoon Winds: NE 15 to 17 knots.
- Afternoon Waves: ESE 4 feet at 10 seconds.
- Afternoon sea state: Breezy NE winds with moderate choppy seas. Small mid period waves.
- Sunrise; **6.15 AM** and sunset; **6:36 PM**
- Visibility: **Moderate (9-10 km)**
- High Tide: **00:58 AM; 3.69 m, 1:39 PM; 2.97 m**
- Low Tide: **10:18 AM; 0.28 m, 10:08 PM; 0.48 m**

### **iii. KILIFI**

- Morning Winds: NNE 10 to 11 knots.
- Morning Waves: ENE 4 feet at 7 seconds.
- Morning sea state: Breezy NNE winds with moderate choppy seas. Small short period waves.
- Afternoon Winds: ENE 14 to 15 knots.
- Afternoon Waves: ENE 4 feet at 7 seconds.
- Afternoon sea state: Breezy ENE winds with moderate choppy seas. Very small short period waves.
- Sunrise; **6.13 AM** and sunset; **6:33 PM**
- Visibility: **Moderate (9-10 km)**
- High Tide: **3:39 AM; 3.39 m, 4:16PM; 2.66 m**
- Low Tide: **10:11 AM; 0.09 m, 10:01 PM; 0.32 m**

### **iv. LAMU**

- Morning Winds: ENE 3 knots.
- Morning Waves: E 4 feet at 7 seconds.
- Morning sea state: Light and variable winds with smooth seas. Very small short period waves
- Afternoon Winds: E 11 to 19 knots.
- Afternoon Waves: E 5 feet at 5 seconds.
- Afternoon sea state: Breezy E winds with moderate choppy seas. Small very short period waves.
- Sunrise; **6:13 AM** and Sunset; **6:28 PM**
- Visibility: **Moderate (9-10 km)**
- High Tide: **3:39 AM; 3:27 m, 4:16 PM; 2:51 m**
- Low Tide: **10:14 AM; 0.07 m, 10:01 PM; 0.32 m**

## **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 fresh breeze of (03-20 knots) expected in Kwale, Mombasa Kilifi and Lamu throughout the forecast period. Caution in carrying out marine activities.

### **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.*

Mr. Willy Esibwe Amukune.  
KENYA METEOROLOGICAL DEPARTMENT