



**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,

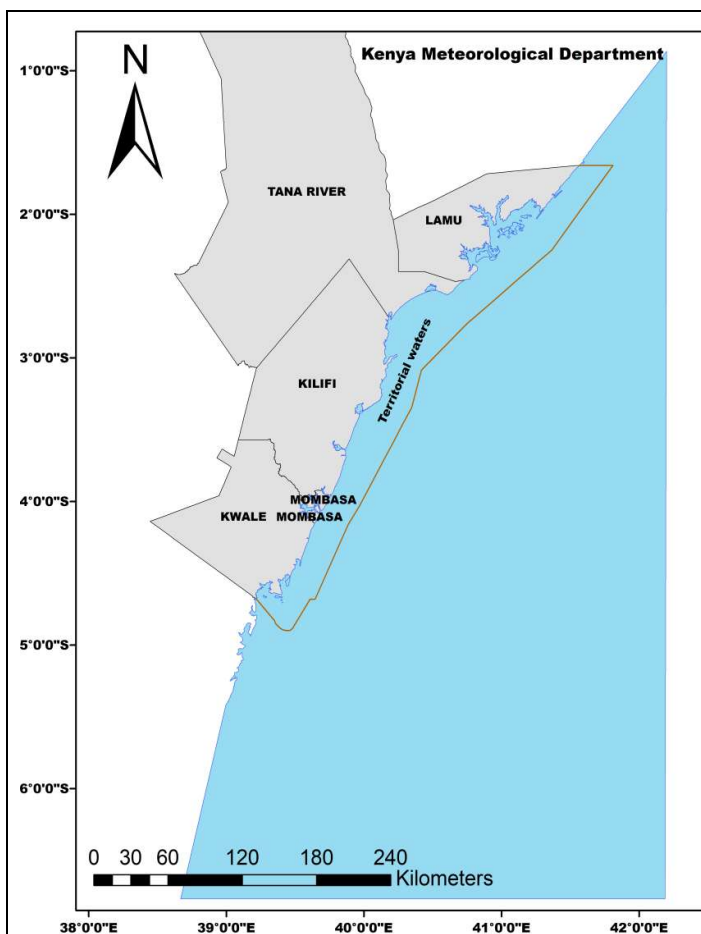
**e-mail:** [director@meteo.go.ke](mailto:director@meteo.go.ke), [info@meteo.go.ke](mailto:info@meteo.go.ke) **Website:** <http://www.meteo.go.ke>

---

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

**Issued at: 1500 EAT on 10<sup>th</sup> June 2025**

**Valid: 0000 EAT on 11<sup>th</sup> June 2025 to 0000 EAT on 12<sup>th</sup> June 2025**



**GENERAL OUTLOOK**

**Morning sea state:**

- Light to Moderate strong S and SW winds (07-17 knots) with choppy seas. SE and ESE waves of 5-7 feet (1.5m – 2.1m) with period waves of 10 sec expected in Kwale, Mombasa, Kilifi and Lamu.

**Afternoon sea state:**

- Light to Moderate strong S and SSE winds (09-19 knots) with choppy seas. SE and ESE waves of 5-8 feet (1.5m- 2.4m) with period waves of 10 sec 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: S 15 to 17 knots.
- Morning Waves: ESE 5 feet at 10 seconds.
- Morning sea state: Moderate to strong S winds with choppy seas. Moderate mid period waves.
- Afternoon Winds: SSE 13 to 16 knots.
- Afternoon Waves: ESE 5 feet at 10 seconds.
- Afternoon sea state: Breezy SSE winds with moderate choppy seas. Moderate mid period waves.
- Sunrise; **6:25AM** and sunset; **6:18PM**
- Visibility: Moderate (**9-10 km**)
- High Tide: **04.12AM; 2.8m, 04.19PM; 3.5m,**
- Low Tide: **09:59AM; 0.8m, 10:47PM; 0.5**

### **ii. MOMBASA**

- Morning Winds: SSW 10 to 16 knots.
- Morning Waves: ESE 7 feet at 10 seconds.
- Morning sea state: Breezy SSW winds with moderate choppy seas. Moderate mid period waves.
- Afternoon Winds: S 15 to 18 knots.
- Afternoon Waves: ESE 7 feet at 10 seconds.
- Afternoon sea state: Breezy S winds with moderate choppy seas. Moderate mid period waves.
- Sunrise; **6:24AM** and sunset; **6:17PM**
- Visibility: **Moderate (9-10 km)**
- High Tide: **04:18AM; 2.7m, 04:23PM; 3.4m,**
- Low Tide: **09:59AM; 0.8m, 10:48PM; 0.5m,**

### **iii. KILIFI**

- Morning Winds: SW 8 to 17 knots.
- Morning Waves: ESE 7 feet at 10 seconds.
- Morning sea state: Light SW winds with a slight chop. Moderate mid period waves.
- Afternoon Winds: S 12 to 18 knots.
- Afternoon Waves: ESE 8 feet at 10 seconds.
- Afternoon sea state: Breezy S winds with moderate choppy seas. Moderate mid period waves.
- Sunrise; **6:23AM** and sunset; **6:18PM**
- Visibility: **Moderate (9-10km)**
- High Tide: **04:11AM; 2.4m, 04:13PM; 3.1m,**
- Low Tide; **09:53AM; 0.6m; 10:42PM; 0.3m;**

### **iv. LAMU**

- Morning Winds: S 7 to 17 knots.
- Morning Waves: SE 7 feet at 10 seconds.
- Morning sea state: Light S winds with a slight chop. Moderate mid period waves.
- Afternoon Winds: S 9 to 19 knots
- Afternoon Waves: SE 8 feet at 10 seconds.
- Afternoon sea state: Light S winds with a slight chop. Moderate mid period waves.
- Sunrise; Sunrise; **6:16AM** and sunset; **6:15PM**
- Visibility: **Moderate (9-10km)**
- High Tide: **04.11AM; 2.3m, 04.13PM; 3.0m,**
- Low Tide: **09:54AM; 0.6m, 10:45PM; 0.3m,**

### **Advisory**

- Moderate to Rough Sea conditions are expected with a significant wave height of 1.5m – 2.4m in Kwale, Mombasa, Kilifi and Lamu.
- Light to Moderate breeze of (07-19 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!!!!
4.1 – 5.5 m ( $\approx$ 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 – $\geq$ 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**