



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

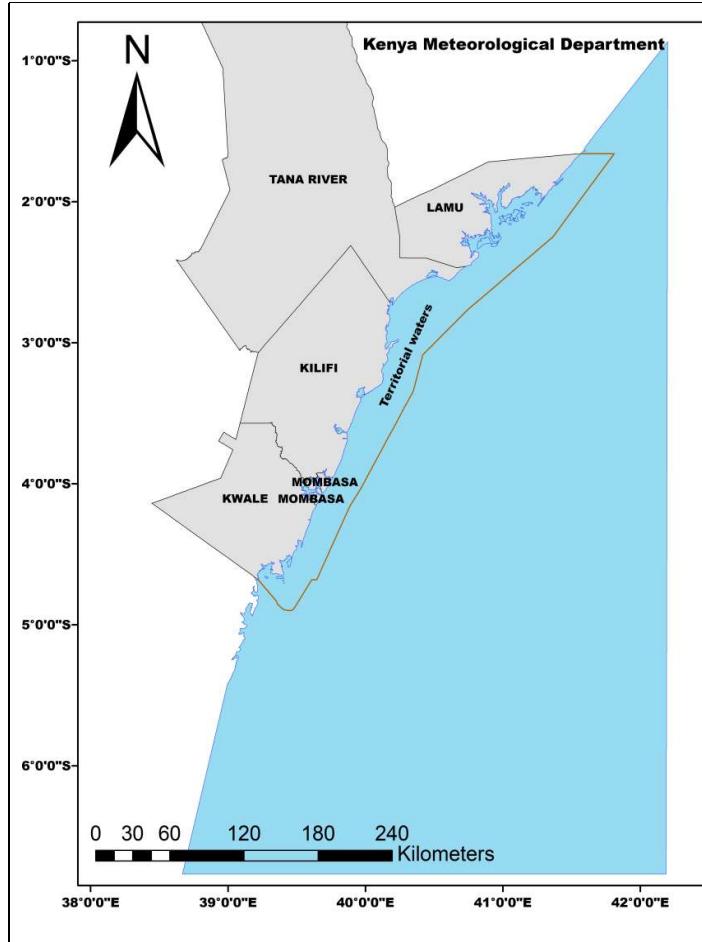
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**DAILY MARINE NEAR SHORE FORECAST FOR KENYAN COAST**

**Issued at: 1500 EAT on 20<sup>th</sup> December, 2025**

**Valid: 0000 EAT on 21<sup>st</sup> December, 2025 to 0000 EAT on 22<sup>nd</sup> December, 2025**



**GENERAL OUTLOOK**

**Morning sea state:**

- Light to Breezy NNE to NE winds (03-12 knots) with smooth to Moderate choppy seas. ESE waves of 3-4 ft (0.9-1.2 m) with very small to small short period waves of (9-10 sec) are expected in Kwale, Mombasa, Kilifi and Lamu.

**Afternoon sea state:**

- Breezy NE to E winds (11-19 knots) with moderate choppy seas. ESE waves of 4-5 feet (1.2-1.5 m) with small period waves of (10-11 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 4 to 5 knots.
- Morning Waves: ESE 3 feet at 10 seconds.
- Morning sea state: Light and variable winds with smooth seas. Very small mid period waves.
- Afternoon Winds: NE 12 to 15 knots.
- Afternoon Waves: ESE 4 feet at 11 seconds.
- Afternoon sea state: Breezy NE winds with moderate choppy seas. Small mid period waves.
- Sunrise: **6:10AM** and sunset: **6:32PM**
- Visibility: Moderate (9-10 km)
- High Tide: **4:44AM;3.54m, 5:11PM;2.89m**
- Low Tide: **11:11AM;0.50m, 10:59PM;0.69m**

### **ii. MOMBASA**

- Morning Winds: NNE 7 to 10 knots.
- Morning Waves: ESE 3 feet at 10 seconds.
- Morning sea state: Light NNE winds with a slight chop. Small mid period waves.
- Afternoon Winds: ENE 13 to 16 knots.
- Afternoon Waves: ESE 4 feet at 11 seconds.
- Afternoon sea state: Breezy ENE winds with moderate choppy seas. Small mid period waves.
- Sunrise: **6:08AM** and sunset: **6:30PM**
- Visibility: Moderate (9-10 km)
- High Tide: **4:48AM;3.41m, 5:17PM;2.81**
- Low Tide: **11:12AM;0.46m, 10:59PM;0.73m**

### **iii. KILIFI**

- Morning Winds: NE 12 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 13 to 15 knots.
- Afternoon Waves: ESE 4 feet at 11 seconds.
- Afternoon sea state: Breezy NE winds with moderate choppy seas. Small mid period waves.
- Sunrise: **6.09AM** and sunset: **6:29PM**
- Visibility: Moderate (9-10km)
- High Tide: **4:40AM;3.13m, 5:10PM;2.54m**
- Low Tide: **11:07 AM;0.26m, 10:55PM;0.54m**

### **iv. LAMU**

- Morning Winds: ENE 3 knots.
- Morning Waves: ESE 3 feet at 9 seconds.
- Morning sea state: Light and variable winds with smooth seas. Small short period waves.
- Afternoon Winds: E 11 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: **6:06AM** and Sunset: **6:22PM**
- Visibility: Moderate (9-10km)
- High Tide: **4:40AM;3.02m, 5:11PM;2.41m**
- Low Tide: **11:10AM;0.24m, 10:55PM;0.53m**

### **Advisory**

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

### **KEY ON SEA STATE**

| WAVE HEIGHT RANGE<br>(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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