



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

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REF.NO: KMD/FCST/05-2026/MARINE/23

Date: Issued on 2nd June, 2026

7-Day Marine Forecast for the Kenya Coast and Off Shore Areas
Along the Western Indian Ocean Region
Validity: 03/06/2026 - 09/06/2026

1.0 GENERAL OUTLOOK

1.1 Wind Speed & Direction:

South-Easterly to South-Westerly winds are expected over Somalia waters with wind speeds of 07 to 24 knots (3.5-12 m/s) throughout the forecast period.

East-North-Easterly to South-Westerly winds are expected over Kenya and Tanzania waters with wind speeds of 03 to 18 knots (1.5-09 m/s) throughout the forecast period.

1.2 Sig. Wave Height and Direction:

Easterly to South-South-westerly waves are expected over Somalia, Kenya, and Tanzania waters with wave heights of 0.2–2.5m (\approx 0.6–7.5ft) throughout the forecast period.

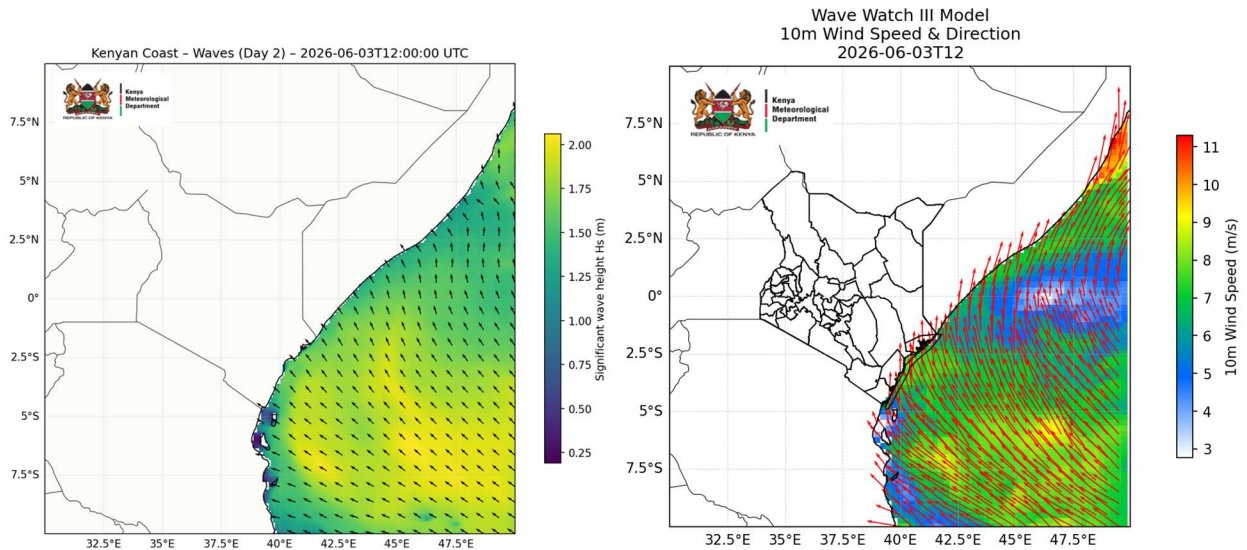
1.3 Sea condition

- Gentle breeze to strong breeze with wind speeds of 3.5–12m/s (07 to 24 Knots) expected over Somalia waters throughout the forecast period.
- Light breeze to fresh breeze with wind speeds of 1.5–09m/s (03 to 18 Knots) expected Kenya, and Tanzania waters throughout the forecast period.
- Slight to moderate sea condition with wave heights of 0.2–2.5m (\approx 0.6–7.5ft) expected over the Somalia, Kenya and Tanzania waters throughout the forecast period.

2.0 WINDS AND SIGNIFICANT WAVE HEIGHTS FORECAST FOR THE PERIOD 3RD JUNE, 2026 TO 9TH JUNE, 2026.

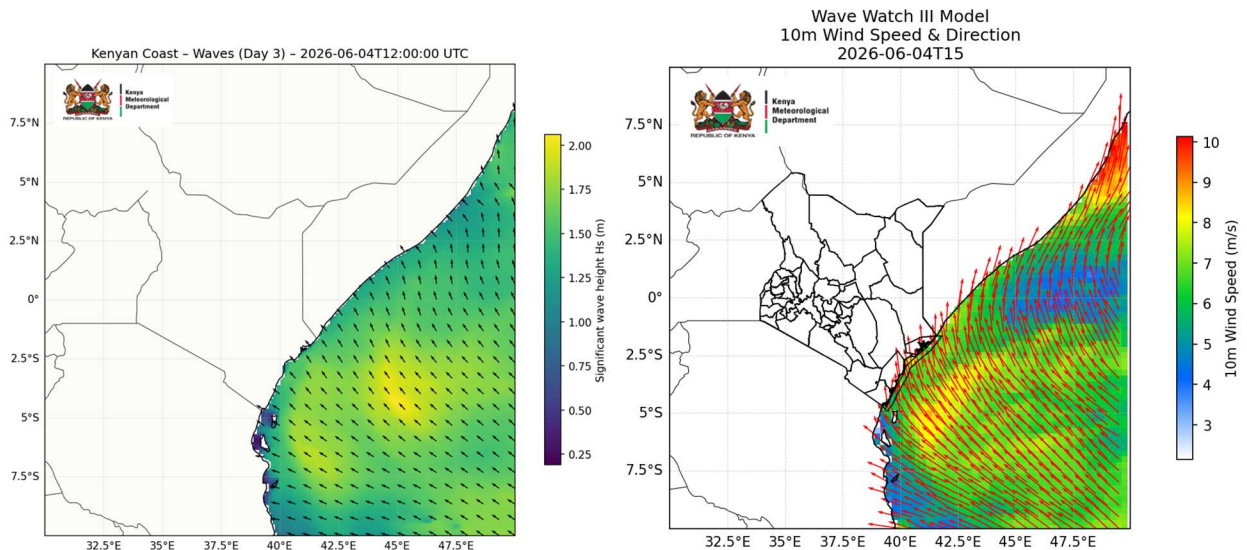
2.1 Wednesday 3rd June, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

Wave height: 0.25 m to 2.0m (\approx 0.75- 6.0ft) 10m Winds: 04-20 knots (\approx 2– 10 m/s)



2.2 Thursday 4th June, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

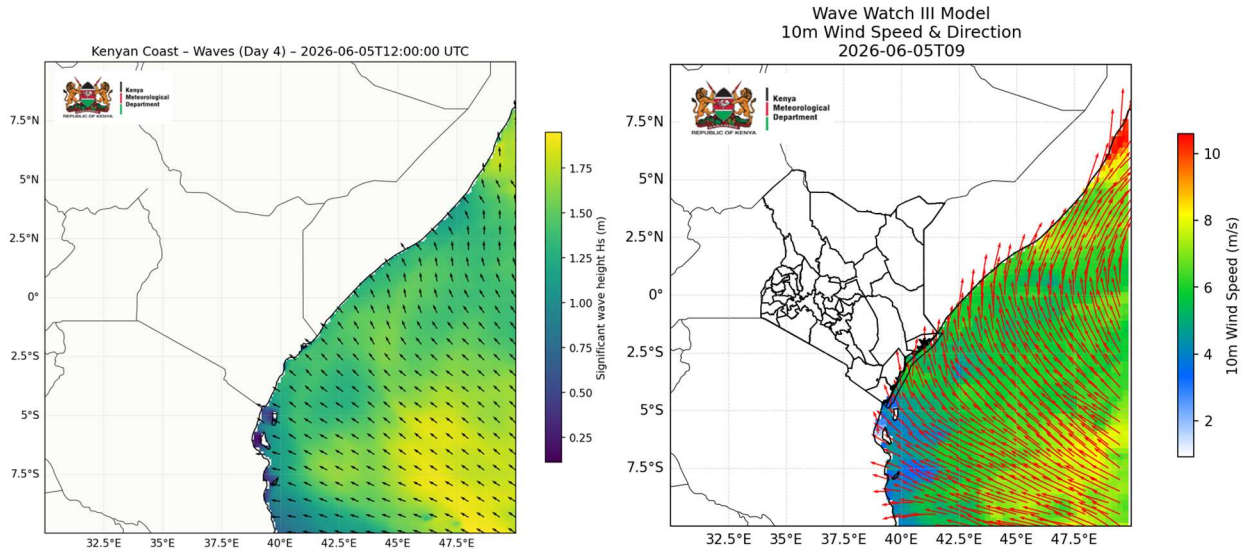
Wave height: 0.25 m to 2.0m (\approx 0.675– 6.0ft) 10m Winds: 04-18 knots (\approx 2– 09 m/s)



2.3 Friday 5th June, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

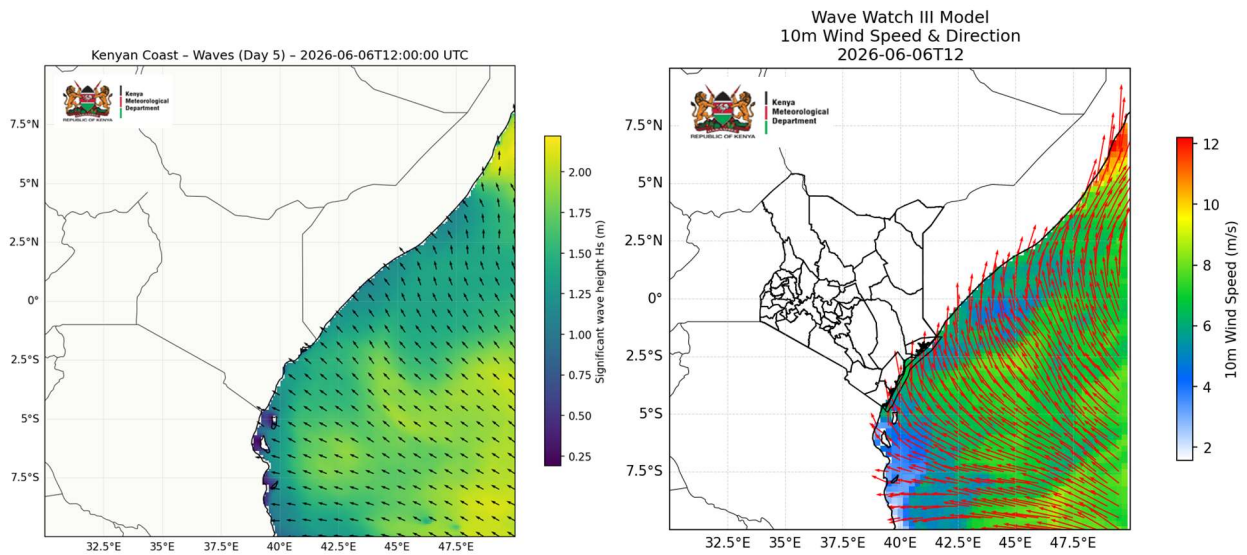
Wave height: 0.25 m to 2.0m (\approx 0.675– 6.0ft)

10m Winds: 04 -20 knots (\approx 2– 10m/s)



2.4 Saturday 6th June, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

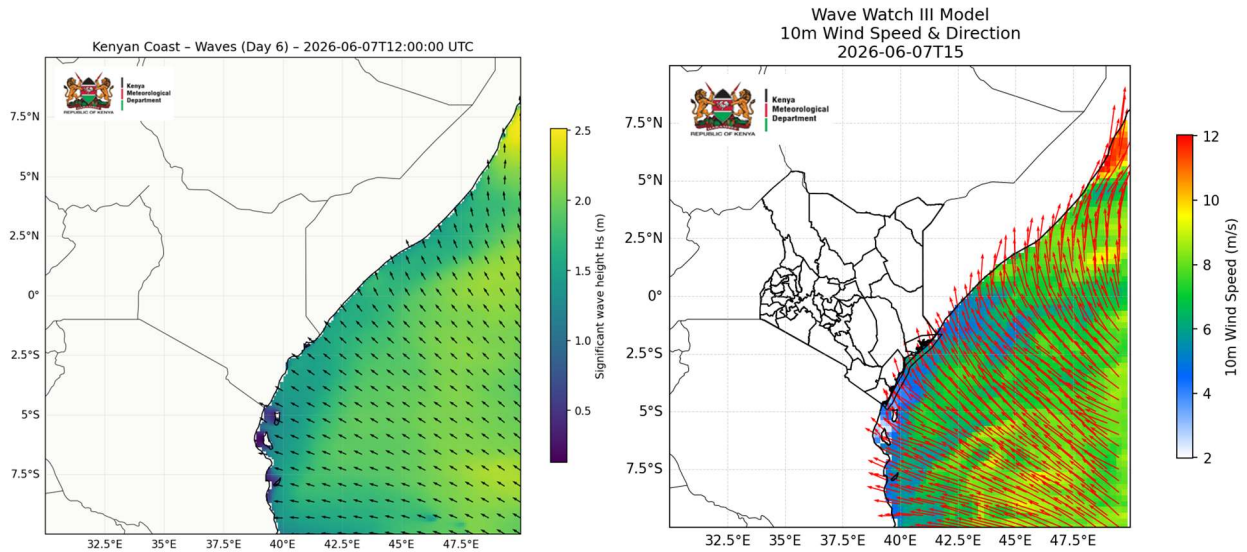
Wave height: 0.25 m to 2.2m (\approx 0.75– 6.6ft) 10m Winds: 06-22 knots (\approx 3 – 11m/s)



2.5 Sunday 7th June, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

Wave height: 0.4 m to 2.5m (\approx 1.2– 7.5 ft)

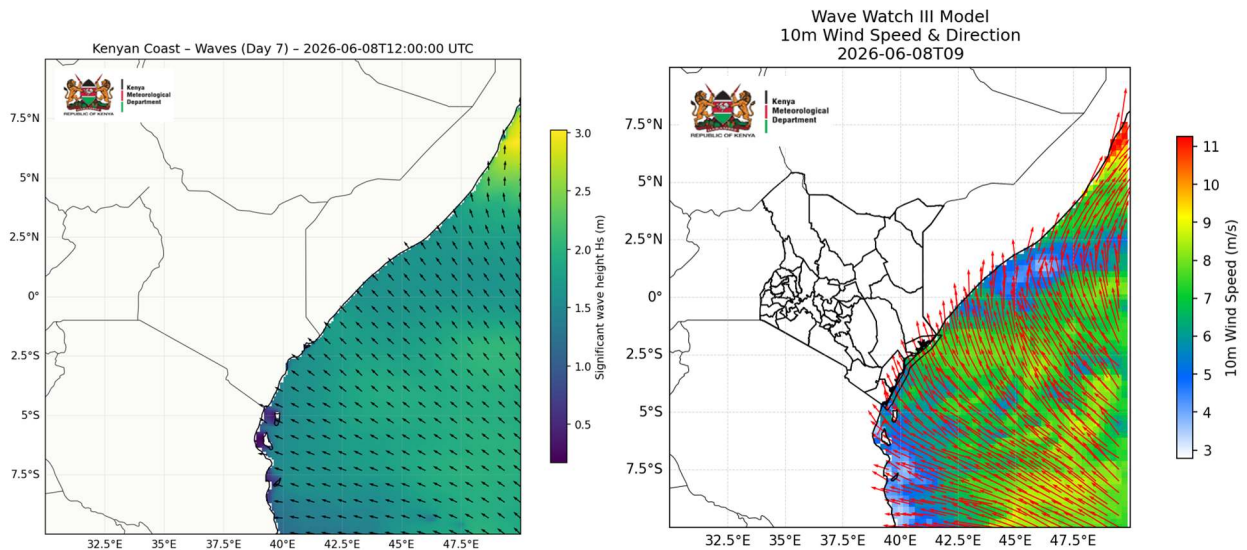
10m Winds: 04-24 knots (\approx 2– 12m/s)



2.6 Monday 8th June, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

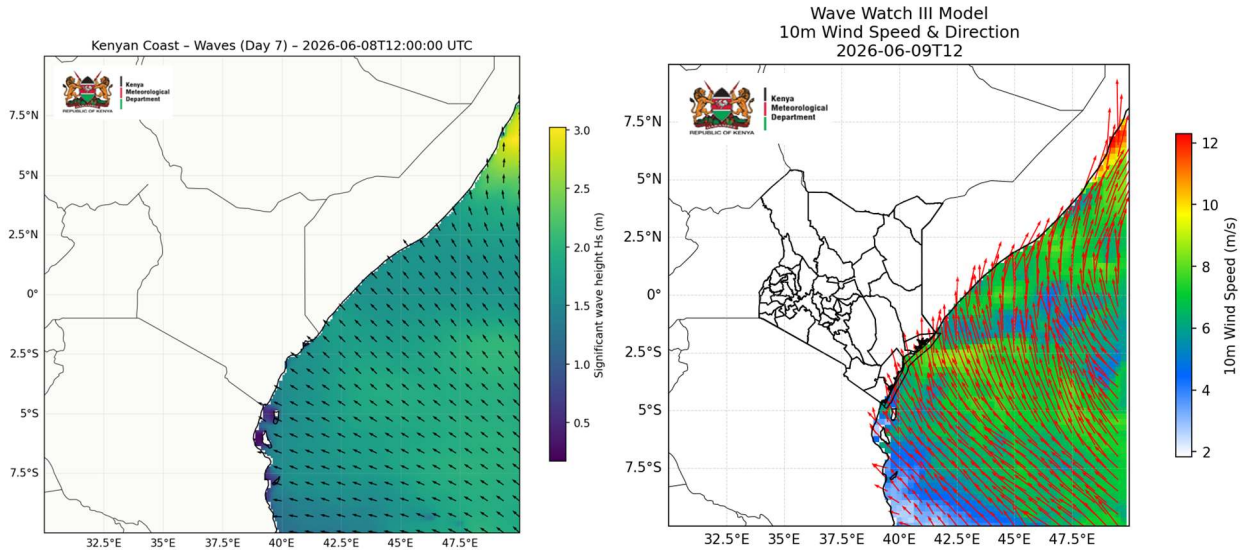
Wave height: 0.4 m to 2.5m (\approx 1.2– 7.5ft)

10m Winds: 04-24knots (\approx 2 – 12m/s)



2.7 Tuesday 9th June, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

Wave height: 0.4 m to 1.8m (\approx 1.2– 4.8ft) 10m Winds: 05-20 knots (\approx 2.5 – 10m/s)

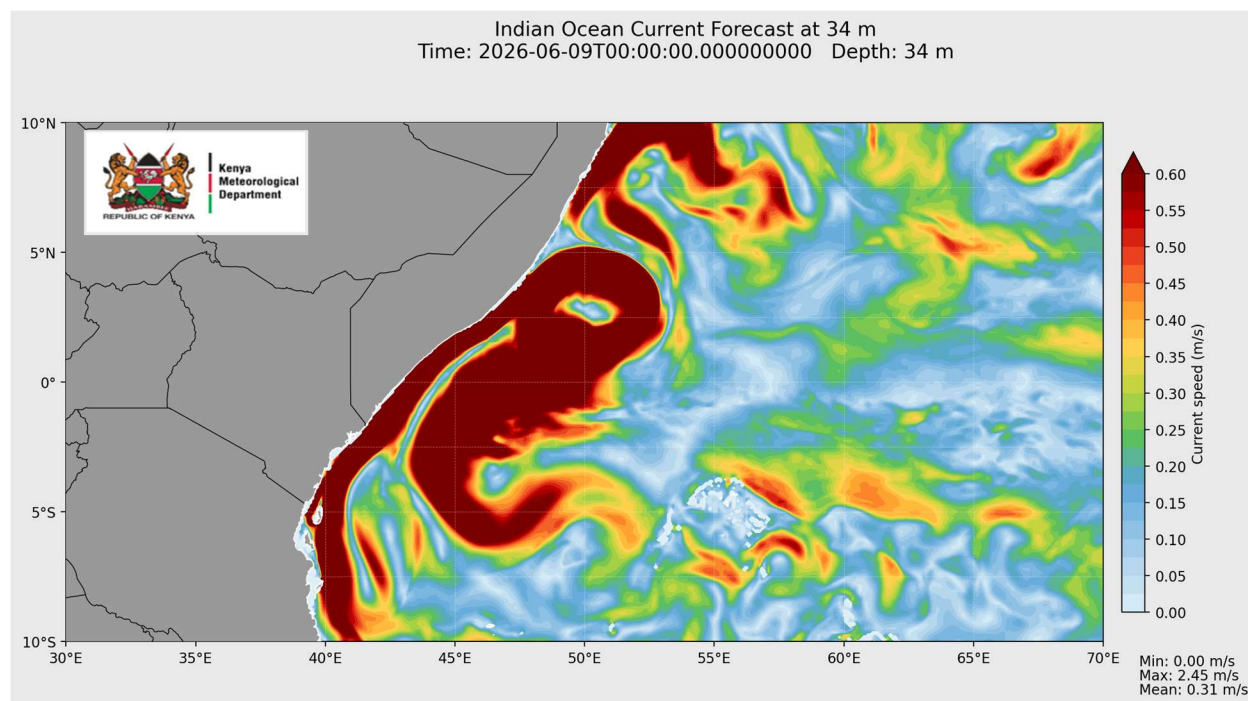


3.0 TIDE FORECAST VALID FROM 3RD JUNE, 2026 TO 9TH JUNE, 2026.

| Date | Description | High Tide | | Low Tide | |
|---------------------------------|----------------------|-----------|--------|----------|--------|
| | | Time | Height | Time | Height |
| Wed 3 rd June, 2026 | 1 st Tide | 05:51 AM | 2.77 m | 11:33 AM | 0.80 m |
| | 2 nd Tide | 05:55 PM | 3.30 m | | |
| Thur 4 th June, 2026 | 1 st Tide | 06:26 AM | 2.71 m | 12:20 AM | 0.60 m |
| | 2 nd Tide | 06:30 PM | 3.19 m | 12:07 PM | 0.90 m |
| Fri 5 th June, 2026 | 1 st Tide | 07:04 AM | 2.64 m | 12:55 AM | 0.69 m |
| | 2 nd Tide | 07:07 PM | 3.04 m | 12:45 PM | 1.01 m |
| Sat 6 th June, 2026 | 1 st Tide | 07:47 AM | 2.58 m | 01:33 AM | 0.79 m |
| | 2 nd Tide | 07:49 PM | 2.87 m | 01:29 PM | 1.13 m |

| | | | | | |
|--------------------------------------|----------------------------|----------|--------|----------|--------|
| Sun 7th June, 2026 | 1st Tide | 08:37 AM | 2.55 m | 02:16 AM | 0.89 m |
| | 2nd Tide | 08:40 PM | 2.69 m | 02:24 PM | 1.24 m |
| Mon 8th June, 2026 | 1st Tide | 09:36 AM | 2.56 m | 03:06 AM | 0.98 m |
| | 2nd Tide | 09:43 PM | 2.53 m | 03:35 PM | 1.30 m |
| Tue 9th June, 2026 | 1st Tide | 10:40 AM | 2.96 m | 03:48 AM | 1.17 m |
| | 2nd Tide | 10:56 PM | 2.79 m | 04:38 PM | 1.43 m |

4.0 7 DAYS OCEAN SURFACE CURRENT IN METERS PER SECONDS (M/S) FORECAST VALID 03/06/2026 TO 09/06/2026



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!!!! Warning in place and marine activities on hold |
| 4.1 – 5.5 m (≈ 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 – ≥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!!!! |

N.B: This forecast should be used in conjunction with the daily marine forecast issued by this Department.

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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FOR DIRECTOR OF KENYA METEOROLOGICAL DEPARTMENT