



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

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REF.NO: KMD/FCST/07-2026/MARINE/29

Date: Issued on 16th July, 2026

7-Day Marine Forecast for the Kenya Coast and Off Shore Areas
Along the Western Indian Ocean Region
Validity: 17/07/2026 - 23/07/2026

1.0 GENERAL OUTLOOK

1.1 Wind Speed & Direction:

South-South Easterly to South-Westerly winds are expected over Somalia waters with wind speeds of 10 to 28 knots (05-14 m/s) throughout the forecast period.

South-Easterly to South-South-Westerly winds are expected over Kenya and Tanzania waters with wind speeds of 04 to 21 knots (02-10.5 m/s) throughout the forecast period.

1.2 Sig. Wave Height and Direction:

East-southeasterly to South-Southwesterly waves are expected over Somalia, Kenya and Tanzania waters with wave heights of 0.25-2.5m ($\approx$ 0.75–7.5 ft) throughout the forecast period.

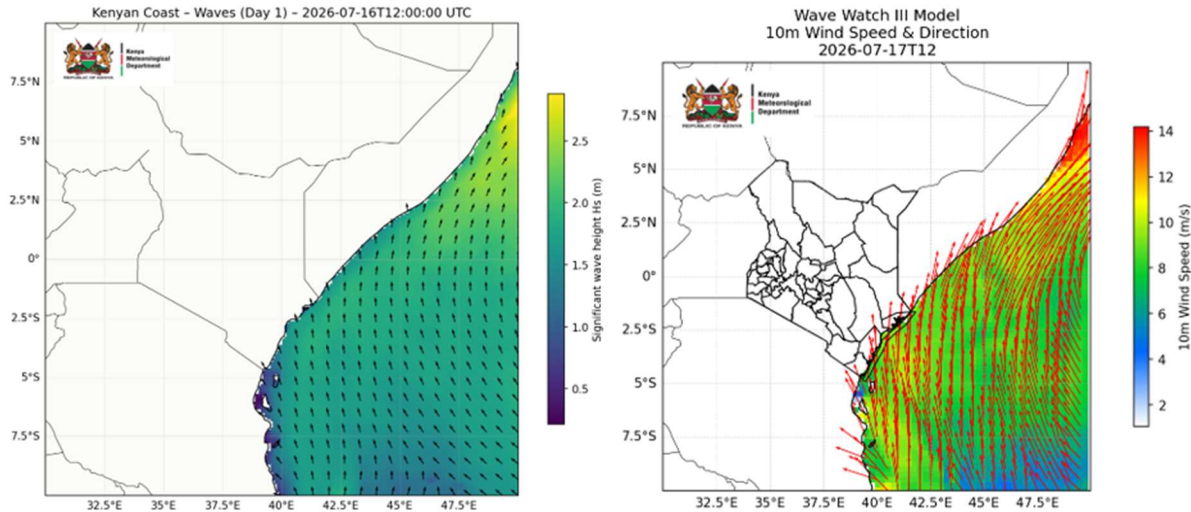
1.3 Sea condition

- Gentle breeze to strong breeze with wind speeds of 05–14m/s (10 to 28 Knots) expected over Somalia waters throughout the forecast period.
- Light breeze to Fresh breeze with wind speeds of 02-10.5m/s (04 to 21 Knots) expected over Kenya, and Tanzania waters throughout the forecast period.
- Slight to moderate sea condition with wave heights of 0.25–2.5m ($\approx$ 0.75–7.5 ft) expected over the Somalia, Kenya and Tanzania waters throughout the forecast period.
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2.0 WINDS AND SIGNIFICANT WAVE HEIGHTS FORECAST FOR THE PERIOD 17TH JULY, 2026 TO 23RD JULY, 2026.

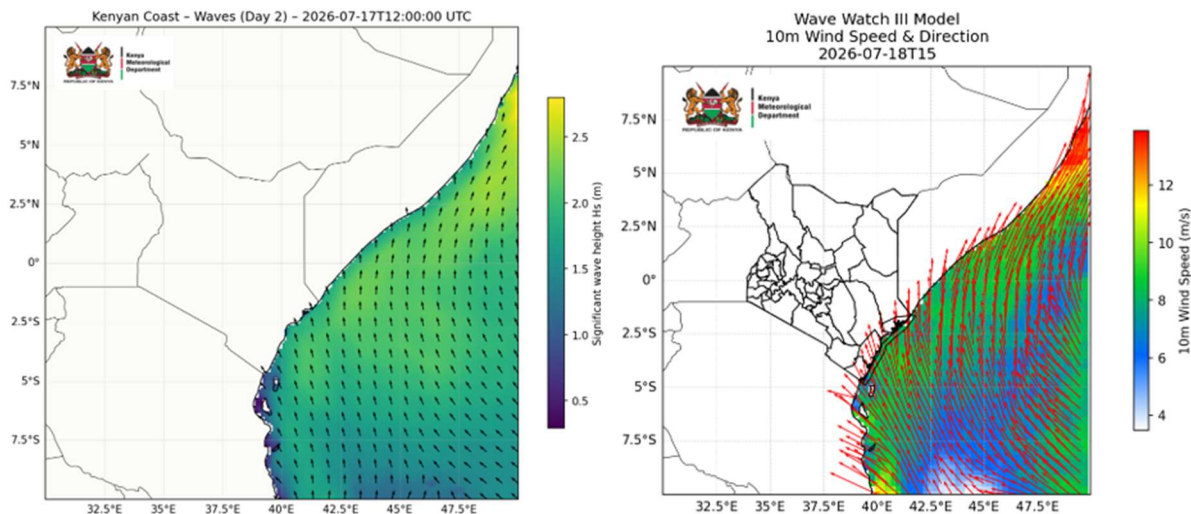
2.1 Friday 17th July, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

Wave height: 0.4 m to 2.25m ($\approx$ 1.2- 6.75ft) 10m Winds: 04-28 knots ($\approx$ 02– 14 m/s)



2.2 Saturday 18th July, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

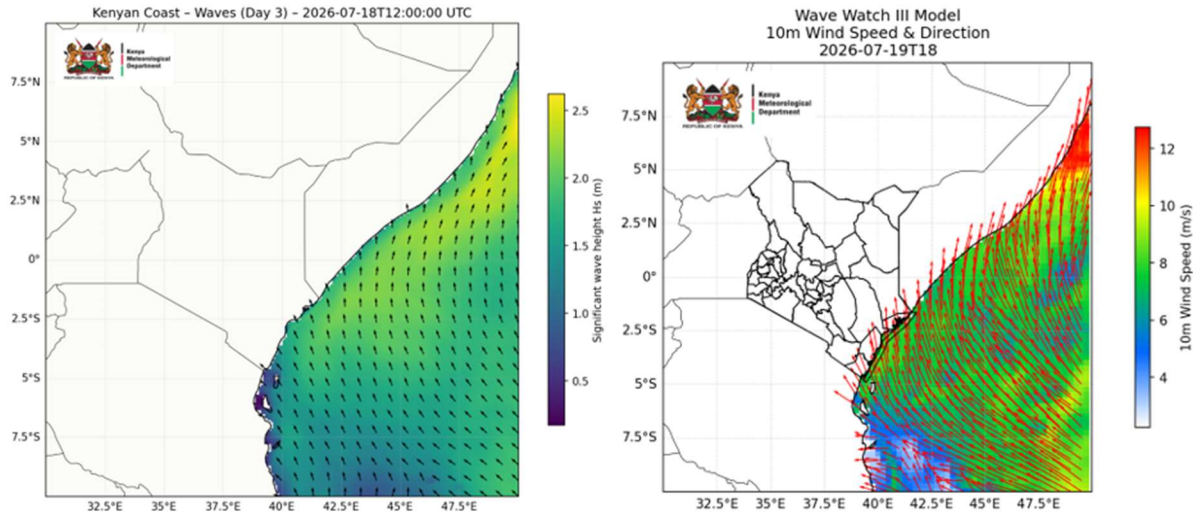
Wave height: 0.5 m to 2.5m ($\approx$ 1.5– 7.5ft) 10m Winds: 08-24 knots ($\approx$ 04– 12 m/s)



2.3 Sunday 19th July, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

Wave height: 0.5 m to 2.5m ($\approx$ 1.5– 7.5ft)

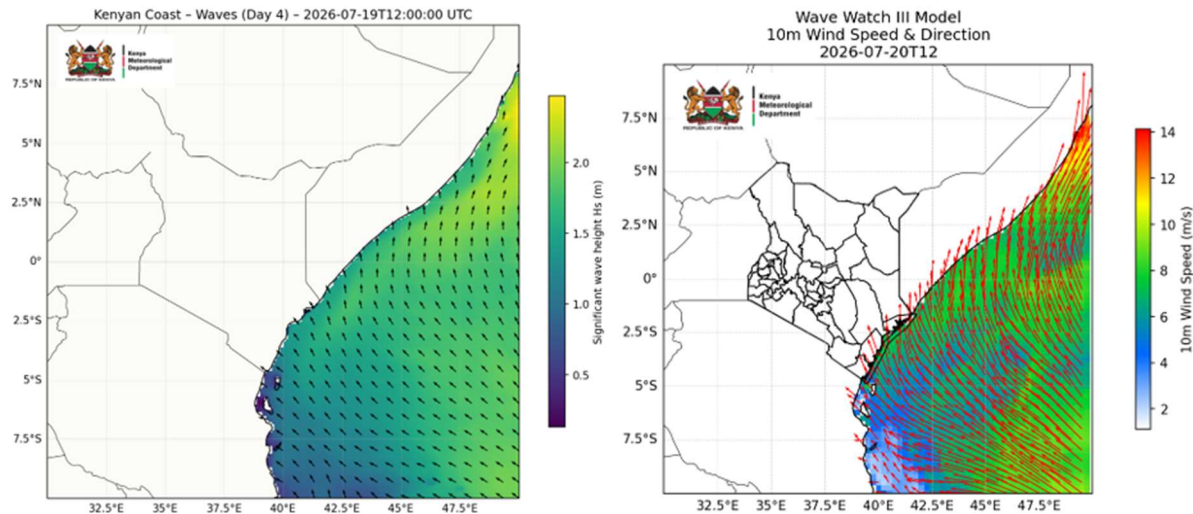
10m Winds: 08 -24 knots ($\approx$ 04– 12m/s)



2.4 Monday 20th July, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

Wave height: 0.5 m to 2.0m ($\approx$ 1.5– 6.0ft)

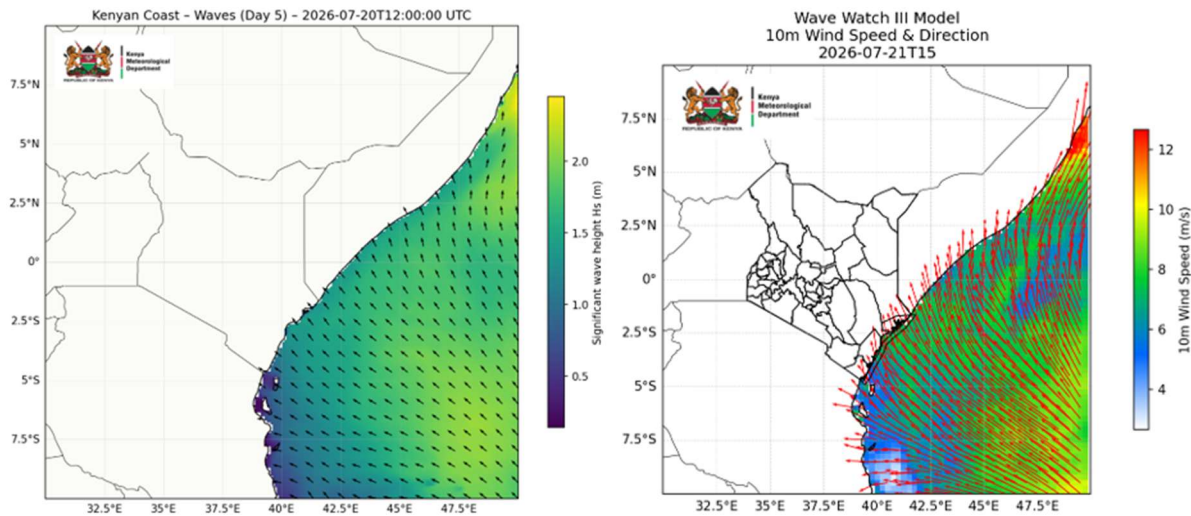
10m Winds: 04-28 knots ($\approx$ 02 – 14m/s)



2.5 Tuesday 21st July, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

Wave height: 0.5 m to 2.0m ($\approx$ 1.5–6.0ft)

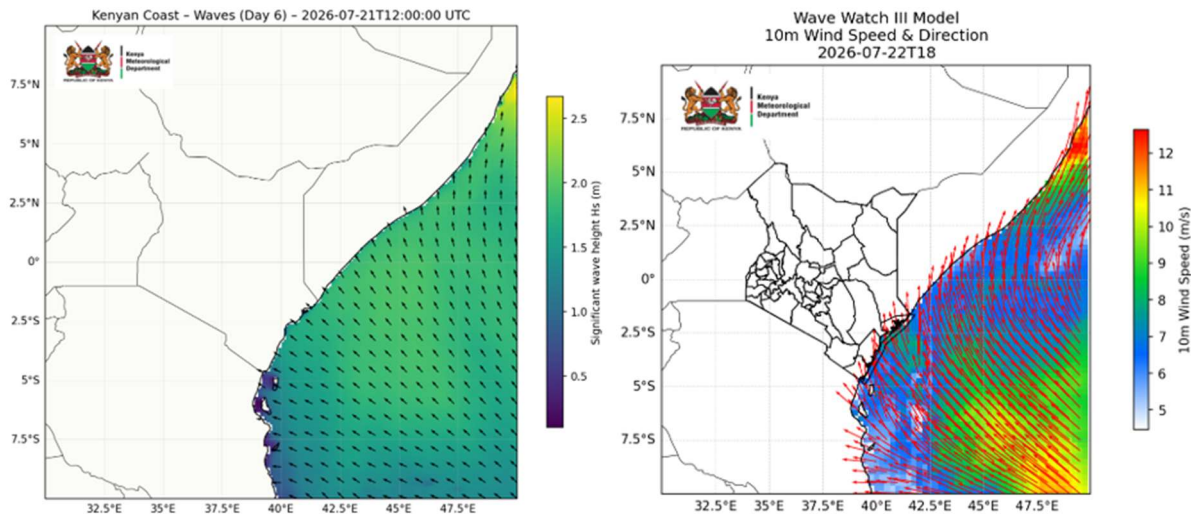
10m Winds: 08-24 knots ($\approx$ 04– 12m/s)



2.6 Wednesday 22nd July, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

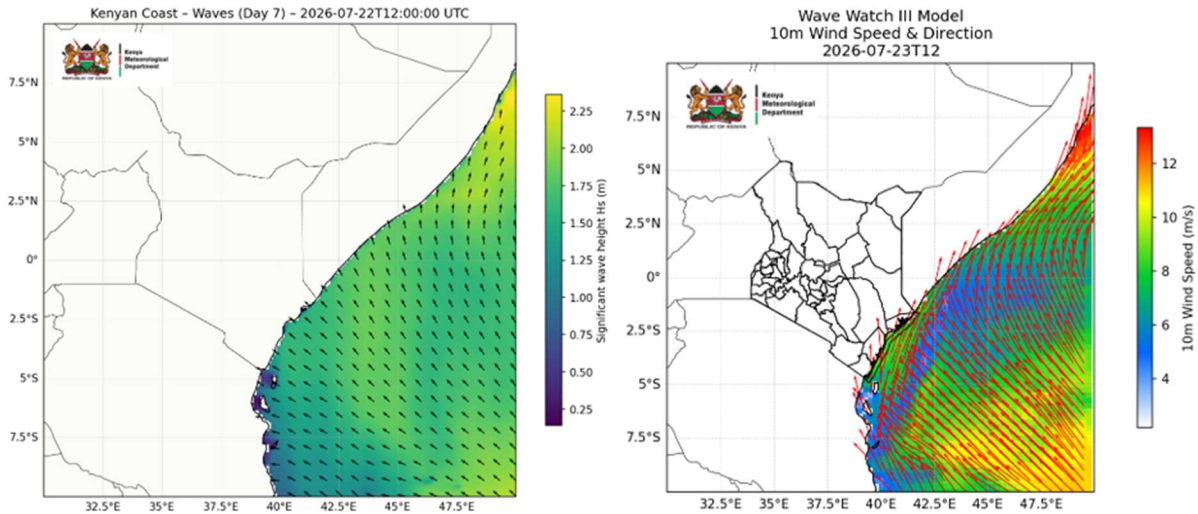
Wave height: 0.5 m to 2.5m ($\approx$ 1.5– 7.5ft)

10m Winds: 10-24knots ($\approx$ 5 –12m/s)



2.7 Thursday 23rd July, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

Wave height: 0.25 m to 2.25m (≈ 0.75 – 6.75ft) 10m Winds: 08-24 knots (≈ 04 – 12m/s)

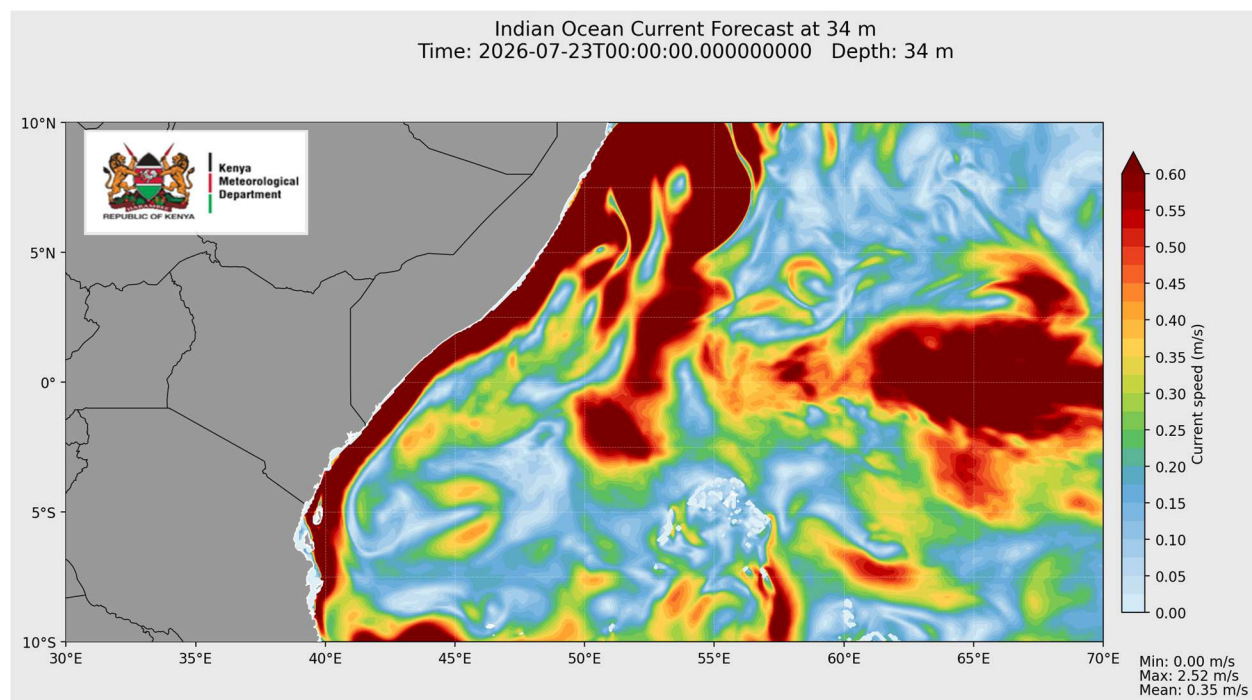


3.0 TIDE FORECAST VALID FROM 17TH JULY, 2026 TO 23RD JULY, 2026.

Date	Description	High Tide		Low Tide	
		Time	Height	Time	Height
Fri 17 th July, 2026	1 st Tide	6:13 AM	3.27 m	00:01 AM	0.12 m
	2 nd Tide	6:24 PM	3.57 m	12:07 PM	0.37 m
Sat 18 th July, 2026	1 st Tide	6:54 AM	3.28 m	00:39 AM	0.18 m
	2 nd Tide	7:05 PM	3.35 m	12:51 PM	0.47 m
Sun 19 th July, 2026	1 st Tide	7:35 AM	3.21m	1:15 AM	0.32 m
	2 nd Tide	7:44 PM	3.07 m	1:36 PM	0.64 m
Mon 20 th July, 2026	1 st Tide	8:17 AM	3.09 m	1:52 AM	0.5 m
	2 nd Tide	8:24 PM	2.77 m	2:22 PM	0.85 m
Tue 21 st July, 2026	1 st Tide	9:01 AM	2.93 m	2:30 AM	0.72 m

	2nd Tide	9:09 PM	2.47 m	3:14 PM	1.07 m
Wed 22nd July, 2026	1st Tide	9:53 AM	2.76 m	3:12 AM	0.95 m
	2nd Tide	10:05 PM	2.20 m	4:18 PM	1.26 m
Thu 23rd July, 2026	1st Tide	11:00 AM	2.63 M	4:04 AM	1.16 m
	2nd Tide	11:31PM	2.03 m	5:45 PM	1.36 m

4.0 7 DAYS OCEAN SURFACE CURRENT IN METERS PER SECONDS (M/S) FORECAST VALID 17/07/2026 TO 23/07/2026



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,
KENYA METEOROLOGICAL DEPARTMENT