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MINISTRY OF ENVIRONMENT, CLIMATE CHANGE AND FORESTRY
KENYA METEOROLOGICAL DEPARTMENT
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REF.NO: KMD/FCST/09-2026/MARINE/36 Date: Issued on 4th September, 2026

7-Day Marine Forecast for the Kenya Coast and Off Shore Areas
Along the Western Indian Ocean Region
Validity: 05/09/2026 - 11/09/2026

1.0 GENERAL OUTLOOK

1.1 Wind Speed & Direction:

South-Easterly to South-Westerly winds are expected over Somalia waters with wind speeds of 8 to 24 knots (04-12 m/s) throughout the forecast period.

East North-Easterly to South South-Westerly winds are expected over Kenya and Tanzania waters with wind speeds of 04 to 20 knots (02-10 m/s) throughout the forecast period.

1.2 Sig. Wave Height and Direction:

South-Easterly to South-South-Westerly waves are expected over Somalia waters, with wave height of 1.5-3.0 m (~4.5 - 9.0 ft), throughout the forecast period.

Easterly to South-South-Easterly waves are expected over Kenya, and Tanzania waters with wave heights of 0.25-2.5 m (≈ 0.75–7.5 ft) throughout the forecast period.

1.3 Sea condition

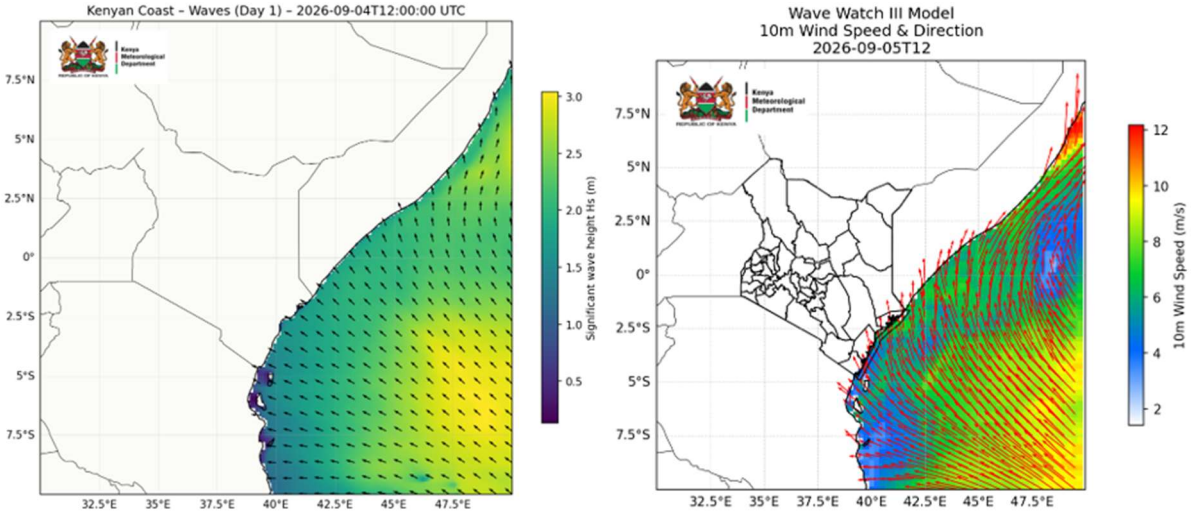
- Light breeze to strong breeze with wind speeds of 04–12 m/s (08 to 24 Knots) expected over Somalia waters throughout the forecast period
- Light to fresh breeze with wind speeds of 02–10 m/s (04 to 20 Knots) expected over Kenya, Tanzania waters throughout the forecast period.
- Slight to Rough Sea condition with wave heights of 1.5-3.0 m (≈ 4.5-9.0 ft) expected over Somalia waters throughout the forecast period.

- Slight to Moderate Sea condition with wave heights of 0.25-2.5 m (≈ 0.75–7.5 ft) expected over Kenya, Tanzania waters throughout the forecast period.

2.0 WINDS AND SIGNIFICANT WAVE HEGHTS FORECAST FOR THE PERIOD 5TH SEPTEMBER, 2026 TO 11TH SEPTEMBER, 2026.

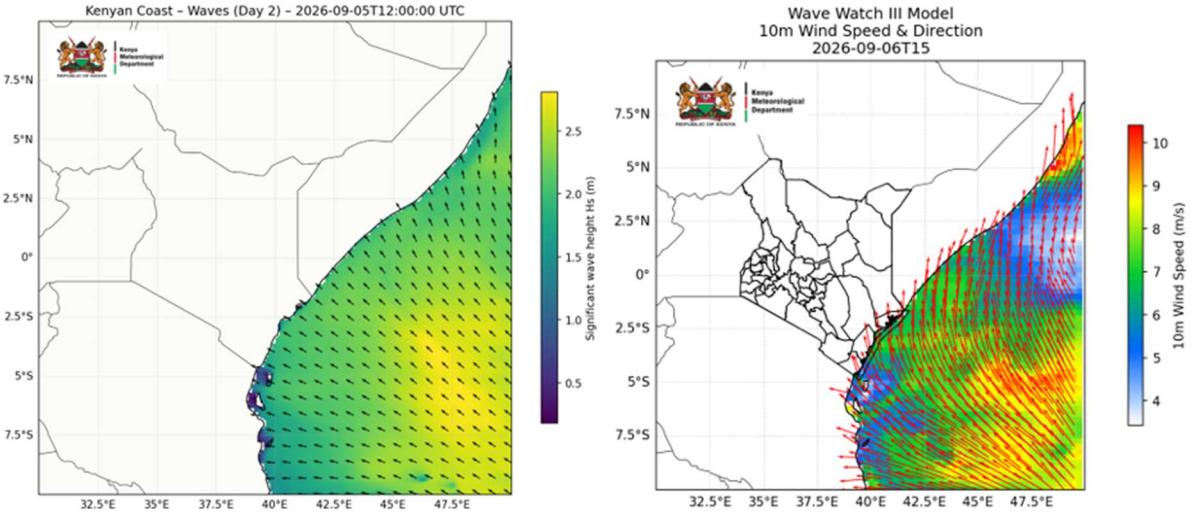
2.1 Saturday 5th September, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

Wave height: 0.4 m to 3.0 m (≈ 1.2– 9.0 ft) 10m Winds: 04-24 knots (≈ 2– 12 m/s)



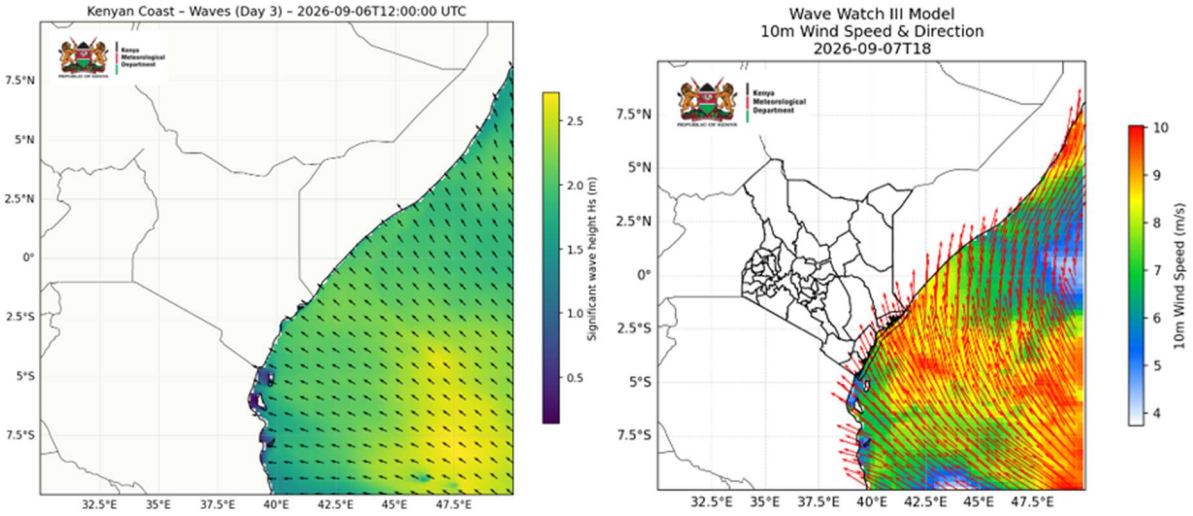
2.2 Sunday 6th September, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

Wave height: 0.5 m to 2.5 m (≈ 1.5– 7.5 ft) 10m Winds:08-20 knots (≈ 4– 10 m/s)



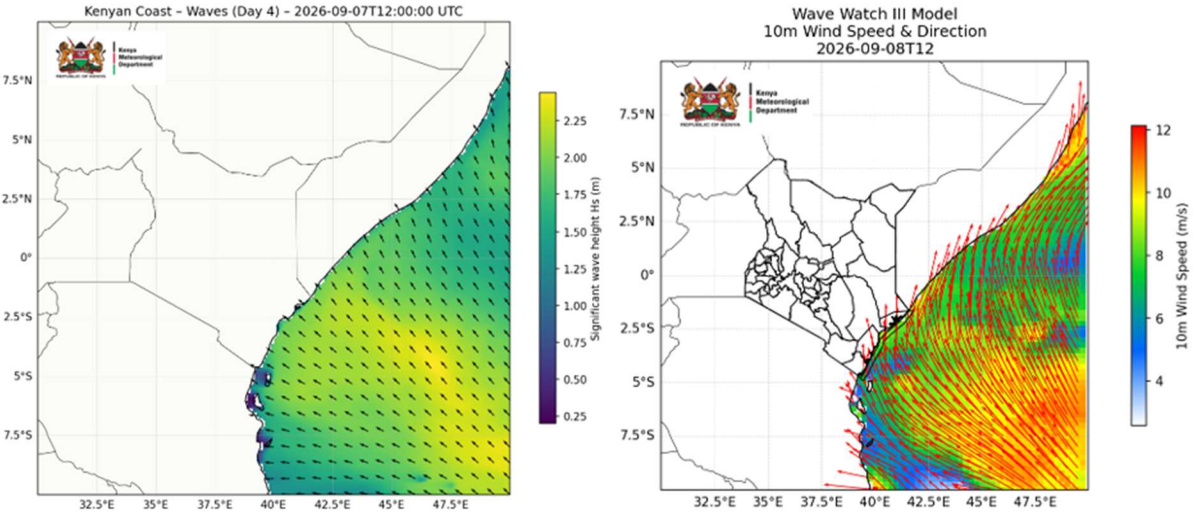
2.3 Monday 7th September, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

Wave height: 0.5 m to 2.5 m (≈ 1.5–7.5 ft) 10m Winds: 08-20 knots (≈ 4 – 10 m/s)



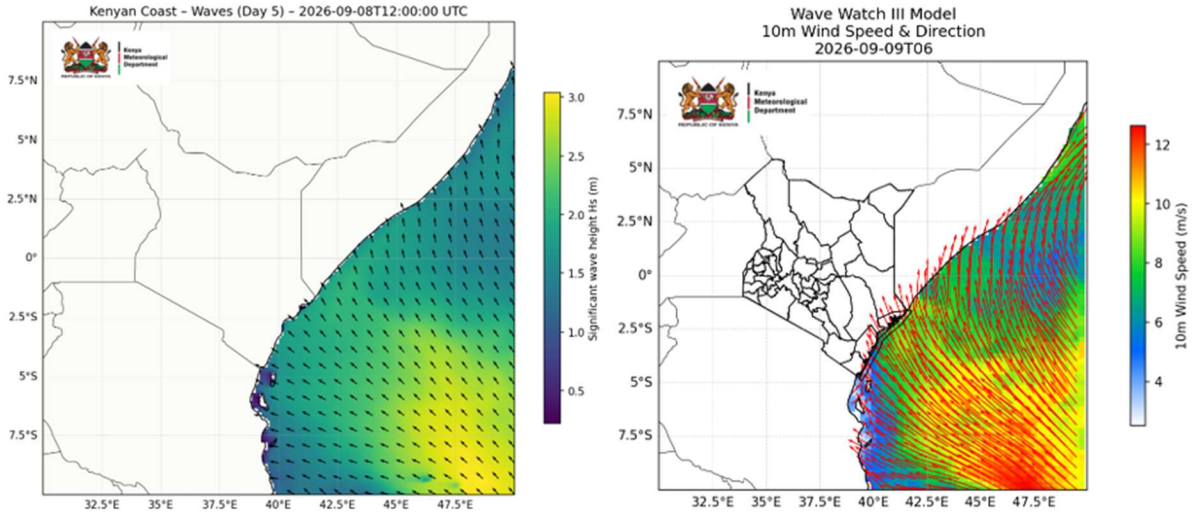
2.4 Tuesday 8th September, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

Wave height: 0.25 m to 2.25 m (≈ 0.75–6.75 ft) 10m Winds: 08-24 knots (≈ 4– 12 m/s)



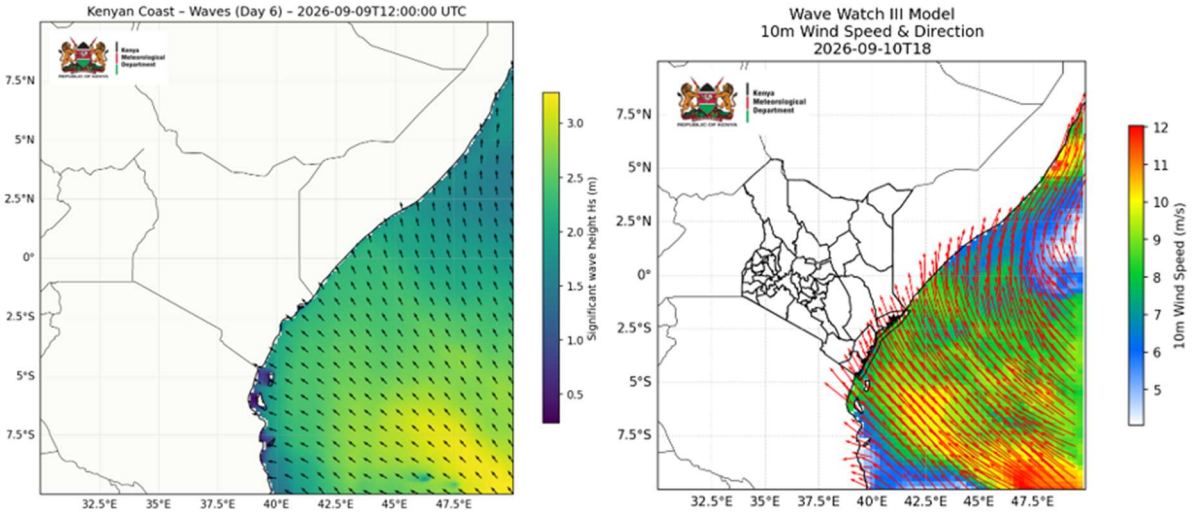
2.5 Wednesday 9th September, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

Wave height: 0.5 m to 3.0 m (≈ 1.5– 9.0 ft) 10m Winds: 08-24 knots (≈ 04 –12 m/s)



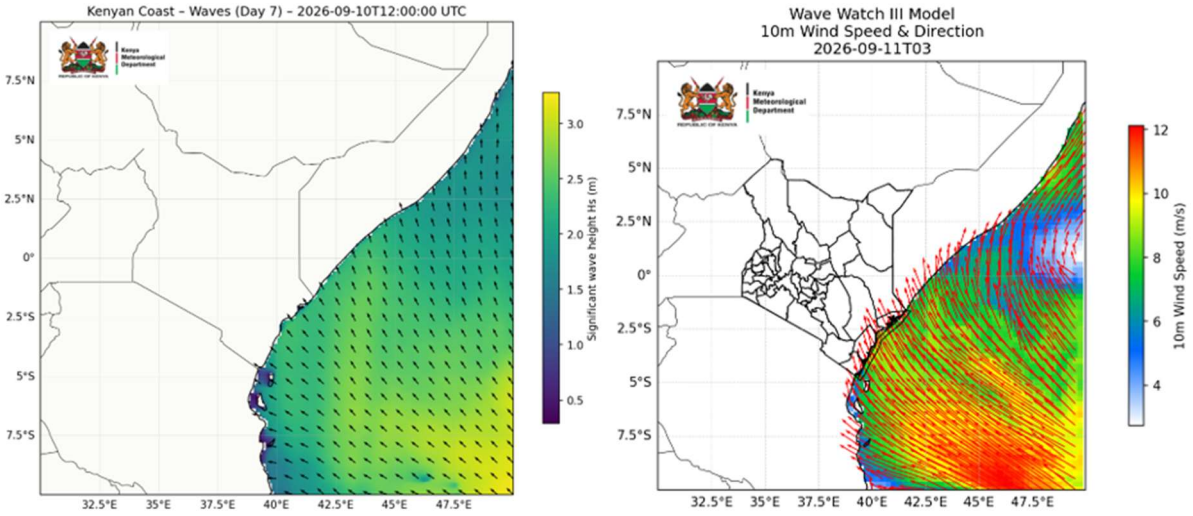
2.6 Thursday 10th September, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

Wave height: 0.5 m to 3.0 m (≈ 1.5– 9.0 ft) 10m Winds: 10-24 knots (≈ 5– 12 m/s)



2.7 Friday 11th September, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

Wave height: 0.5 m to 3.0 m (≈1.5 - 9.0 ft) 10 m Winds: 08-24 knots (≈ 4– 12 m/s)

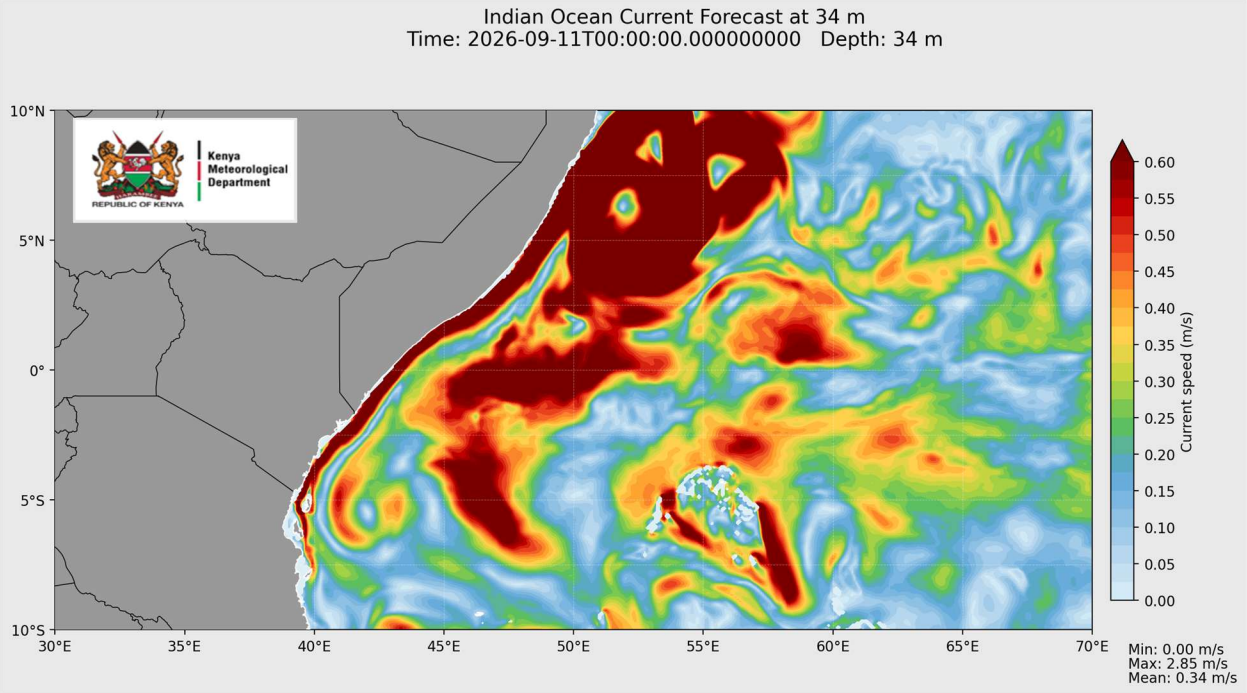


3.0 TIDE FORECAST VALID FROM 5TH SEPTEMBER, 2026 TO 11TH SEPTEMBER, 2026.

Date	Description	High Tide		Low Tide	
		Time	Height	Time	Height
Sat 5th September, 2026	1st Tide	9:34 AM	2.77 m	2:35 AM	1.04 m
	2nd Tide	10:26 PM	2.01 m	4:24 PM	1:26 m
Sun 6th September, 2026	1st Tide	11:30 AM	2.63 m	4:05 AM	1.31 m
	2nd Tide			6:45 PM	1:22 m
Mon 7th September, 2026	1st Tide	00:55 AM	2.09 m	6:32 AM	1.31 m
	2nd Tide	1:20 PM	2.78 m	8:08 PM	0.94 m
Tue 8th September, 2026	1st Tide	2:14 AM	2.44 m	8:02 AM	1.01 m
	2nd Tide	2:27 PM	3.05 m	8:55 PM	0.64 m

Wed 9th September, 2026	**1st Tide**	3:03 AM	2.82 m	8:58 AM	0.68 m
	2nd Tide	3:15 PM	3.3 m	9:32 PM	0.39 m
Thu 10th September, 2026	**1st Tide**	3:41 AM	3.16 m	9:41 AM	0.39 m
	2nd Tide	3:55 PM	3.47 m	10:05 PM	0.2 m
Fri 11th September, 2026	**1st Tide**	4:17 AM	3.43 m	10:19 AM	0.19 m
	2nd Tide	4:31 PM	3.54 m	10:36 PM	0.09 m

4.0 7 DAYS OCEAN SURFACE CURRENT IN METERS PER SECONDS (M/S) FORECAST VALID 05/09/2026 TO 11/09/2026



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!!!!**
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 – 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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