



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

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REF.NO: KMD/FCST/08-2026/MARINE/38

Date: Issued on 15th September, 2026

7-Day Marine Forecast for the Kenya Coast and Off Shore Areas
Along the Western Indian Ocean Region
Validity: 16/09/2026 - 22/09/2026

1.0 GENERAL OUTLOOK

1.1 Wind Speed & Direction:

Southerly to South-Westerly winds are expected over Somalia waters with wind speeds of 12 to 22 knots (6-11m/s) throughout the forecast period.

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

1.2 Sig. Wave Height and Direction:

Easterly to South-South-Westerly waves are expected over Kenya, and Tanzania waters with wave heights of 0.5-2.5m ($\approx$ 1.5–7.5ft) throughout the forecast period.

1.3 Sea condition

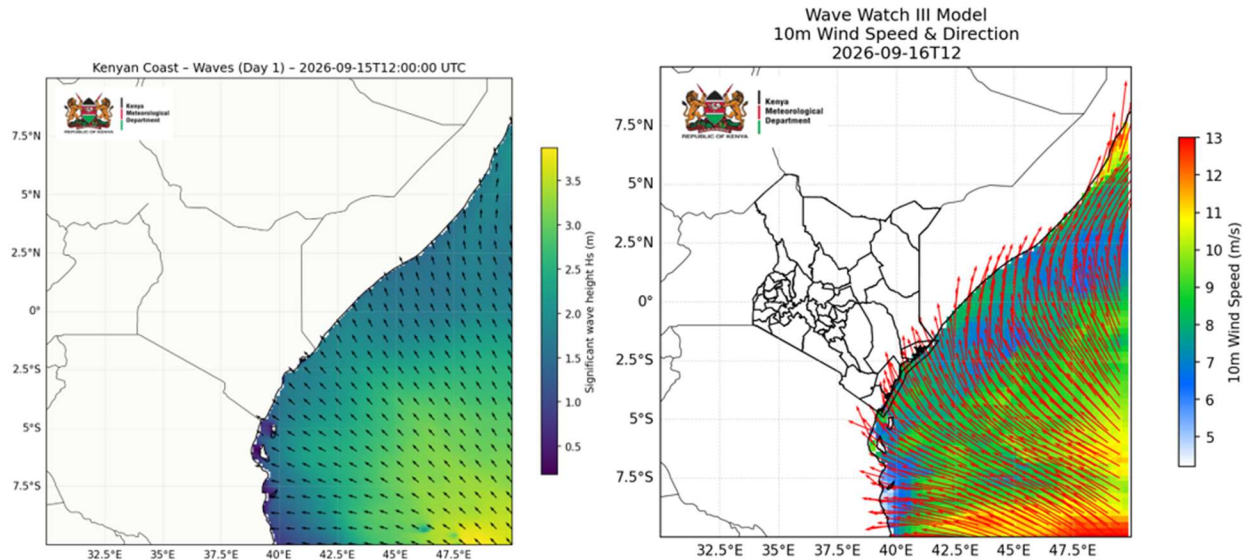
- Light to fresh breeze with wind speeds of 02–10m/s (04 to 20 Knots) expected over Kenya and Tanzania waters throughout the forecast period.
- Gentle breeze to strong breeze with wind speeds of 06–11m/s (12 to 22 Knots) expected over Somalia waters throughout the forecast period
- Slight to Rough sea condition with wave heights of 0.5-2.5m ($\approx$ 1.5–7.5 ft) expected over Kenya, Tanzania and Somalia waters throughout the forecast period.

2.0 WINDS AND SIGNIFICANT WAVE HEIGHTS FORECAST FOR THE PERIOD 16TH SEPTEMBER, 2026 TO 22ND SEPTEMBER, 2026.

2.1 Wednesday 16th September, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

Wave height: 0.5 m to 2.0 m (≈ 1.5 –6.0ft)

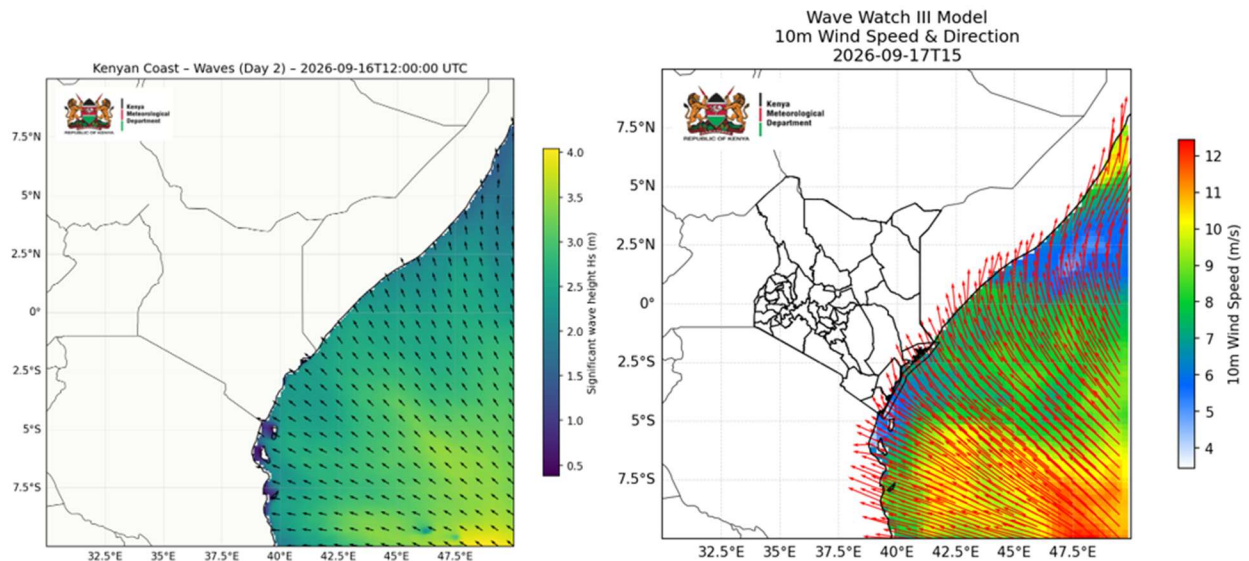
10m Winds: 10-22 knots (≈ 5 – 11m/s)



2.2 Thursday 17th September, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

Wave height: 0.5 m to 2.5m (≈ 1.5 –7.5ft)

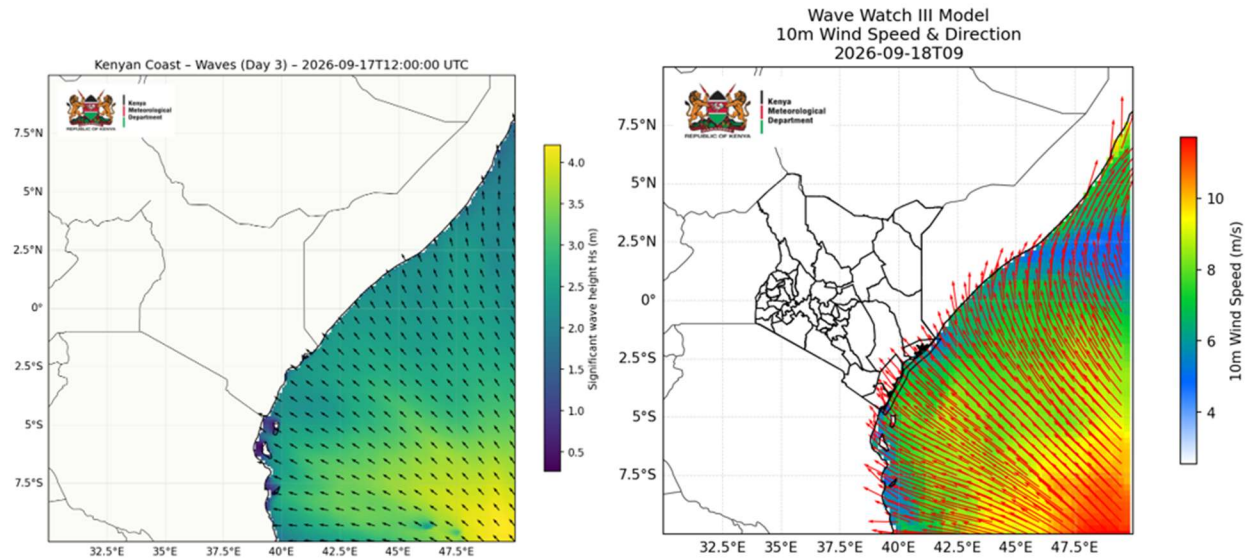
10m Winds: 08-22 knots (≈ 4 – 11m/s)



2.3 Friday 18th 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 ($\approx$ 1.5– 7.5 ft)

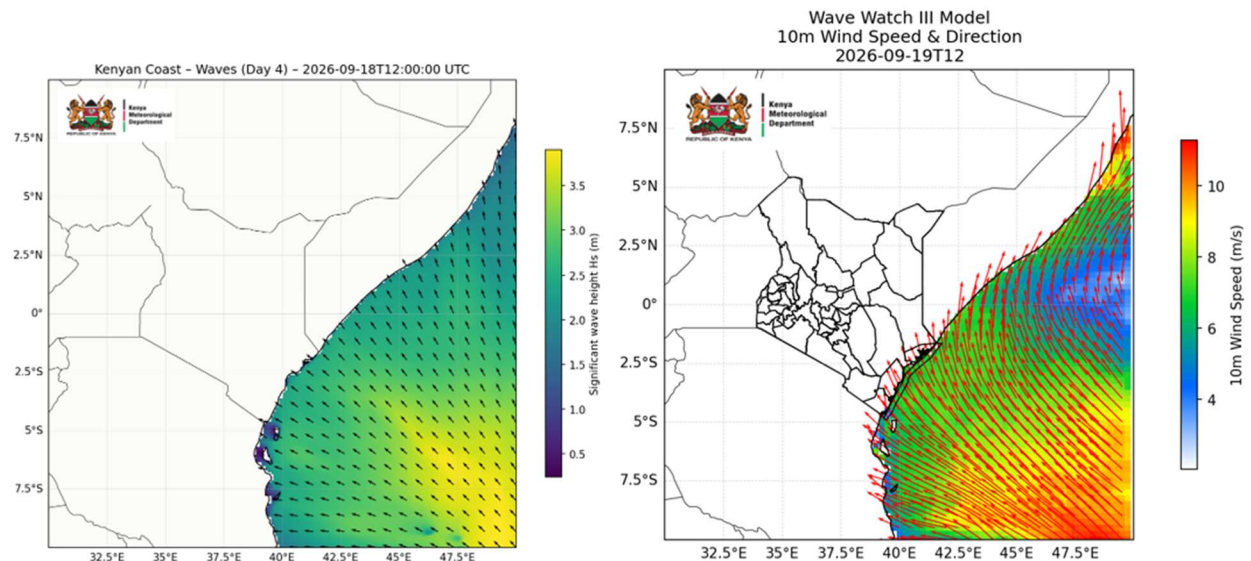
10m Winds: 08-20 knots ($\approx$ 04 –10m/s)



2.4 Saturday 19th September, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

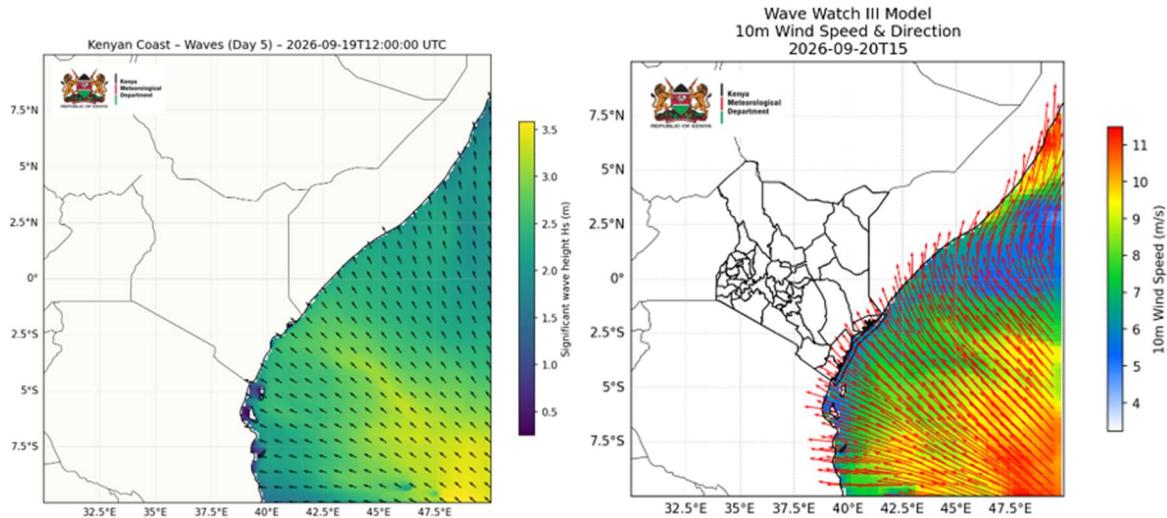
Wave height: 0.5 m to 2.5m ($\approx$ 1.5– 7.5ft)

10m Winds: 08-22 knots ($\approx$ 4– 11m/s)



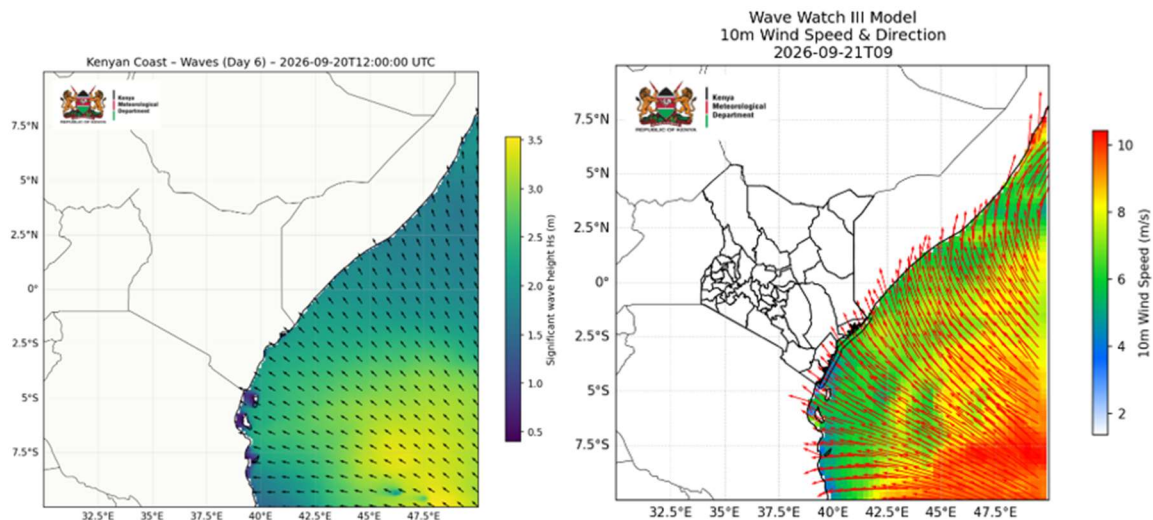
2.5 Sunday 20th September, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

Wave height: 0.5m to 2.5m ($\approx 1.5 - 7.5$ ft) 10m Winds: 12-22 knots ($\approx 6 - 11$ m/s)



2.6 Monday 21st September, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

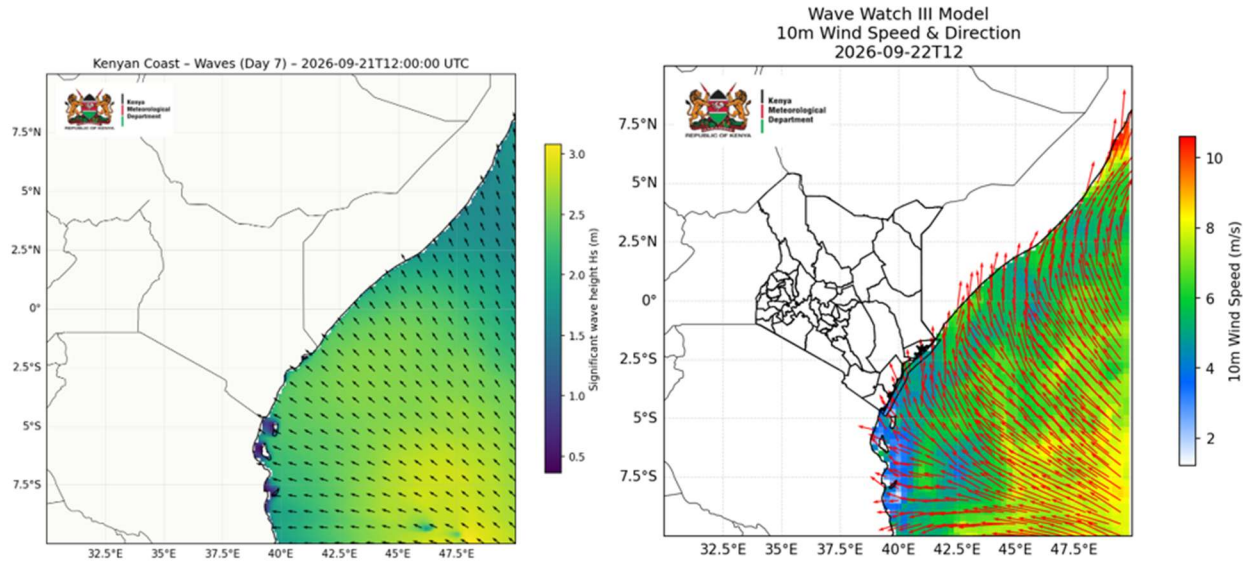
Wave height: 0.5 m to 2.5m ($\approx 1.5 - 7.5$ ft) 10m Winds: 12-20 knots ($\approx 6 - 10$ m/s)



2.7 Tuesday 22ndSeptember, 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:6-24 knots ($\approx$ 3– 10m/s)

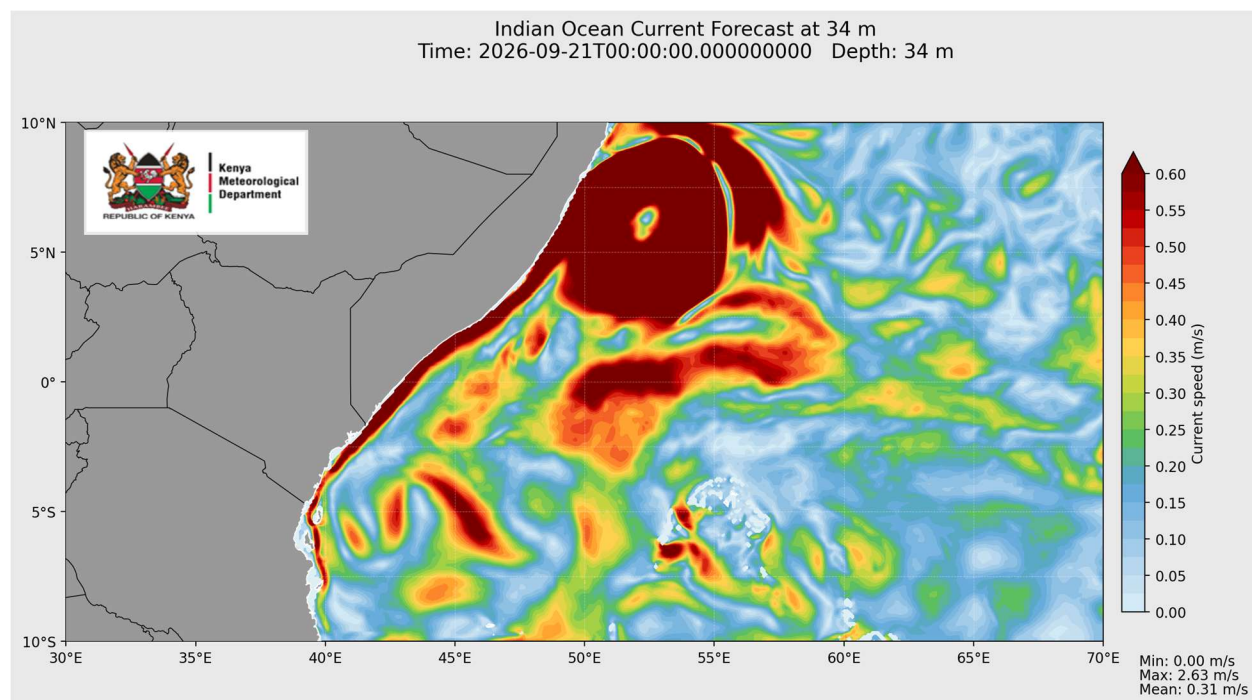


3.0 TIDE FORECAST VALID FROM 16TH SEPTEMBER, 2026 TO 22NDSEPTEMBER, 2026.

Date	Description	High Tide		Low Tide	
		Time	Height	Time	Height
Wed 16 th September, 2026	1 st Tide	06:48 AM	3.32 m	00:27 AM	0.44 m
	2 nd Tide	07:00 PM	2.77 m	1:00 PM	0.59 m
Thu 17 th September, 2026	1 st Tide	07:17 AM	3.07 m	00:53 AM	0.68 m
	2 nd Tide	07:28 PM	2.49 m	1:33 PM	0.87 m
Fri 18 th September, 2026	1 st Tide	07:50 AM	2.79 m	1:20 AM	0.94 m
	2 nd Tide	08:01 PM	2.21 m	2:12 PM	1.17 m
Sat 19 th September, 2026	1 st Tide	08:34 AM	2.5 m	1:50 AM	1.22 m
	2 nd Tide	08:57 PM	1.94 m	3:18 PM	1.44 m

Sun 20th September, 2026	1st Tide	10:07 AM	2.26 m	2:40 AM	1.5 m
	2nd Tide			6:13 PM	1.52 m
Mon 21st September, 2026	1st Tide	00:44 AM	1.87 m	5:59 AM	1.63 m
	2nd Tide	12:53 PM	2.31 m	7:51 PM	1.28 m
Thur 22nd September, 2026	1st Tide	02:06 AM	2.16 m	7:44 AM	1.39 m
	2nd Tide	02:00 PM	2.55 m	8:29 PM	1.02 m

4.0 7 DAYS OCEAN SURFACE CURRENT IN METERS PER SECONDS (M/S) FORECAST VALID 16//09/2026 TO 22/09/2026



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!!!! Warning in place and marine activities on hold
4.1 – 5.5 m ($\approx$ 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 – $\geq$ 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!!!!

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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Duty Analysts

Marine Forecasting Services

For

DIRECTOR,

KENYA METEOROLOGICAL DEPARTMENT