



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

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REF.NO: KMD/FCST/05-2026/MARINE/20

Date: Issued on 16th May, 2026

7-Day Marine Forecast for the Kenya Coast and Off Shore Areas
Along the Western Indian Ocean Region
Validity: 17/05/2026 - 23/05/2026

1.0 GENERAL OUTLOOK

1.1 Wind Speed & Direction:

Southerly to West-South-Westerly winds are expected over Somalia waters with wind speeds of **12 to 28 knots (06-14 m/s)** throughout the forecast period.

South-Easterly to South-Westerly winds are expected over Kenya and Tanzania waters with wind speeds of **04 to 21 knots (2-10.5 m/s)** throughout the forecast period.

1.2 Sig. Wave Height and Direction:

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

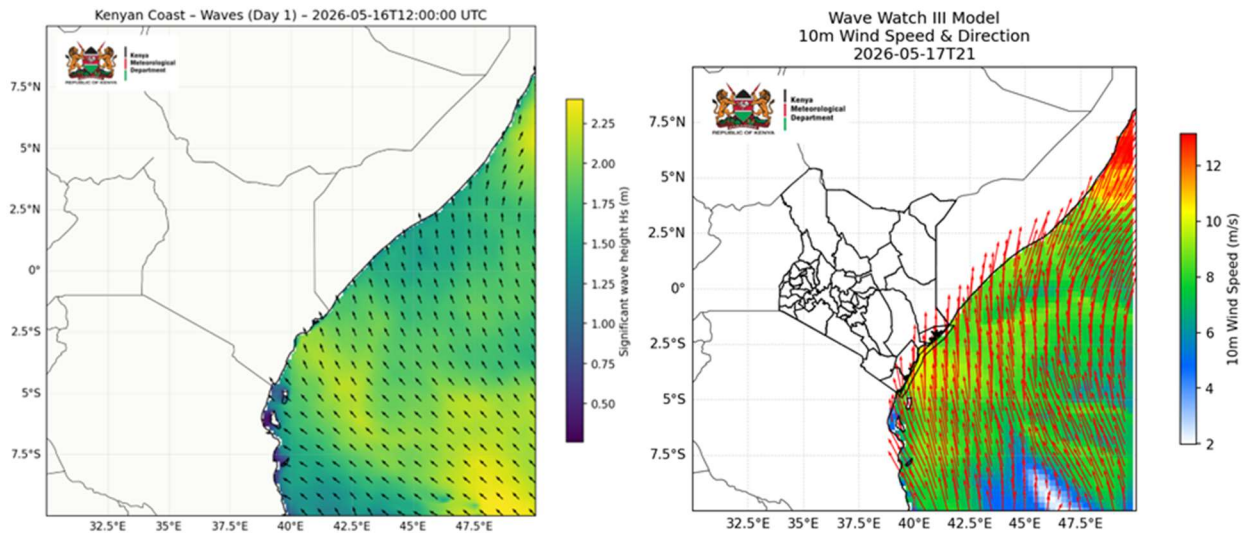
1.3 Sea conditions

- **Slight to moderate sea condition with wave heights of 0.25–2.5m (\approx 0.75–7.5ft) expected over the Somalia, Kenya and Tanzania waters throughout the forecast period.**
- **Light breeze to fresh breeze with wind speeds of 2–10m/s (04 to 20 Knots) expected Kenya, and Tanzania waters throughout the forecast period.**
- **Gentle breeze to strong breeze with wind speeds of 06–14m/s (12 to 28 Knots) expected over Somalia waters throughout the forecast period.**

2.0 WINDS AND SIGNIFICANT WAVE HEIGHTS FORECAST FOR THE PERIOD 17TH MAY, 2026 TO 23RD MAY, 2026.

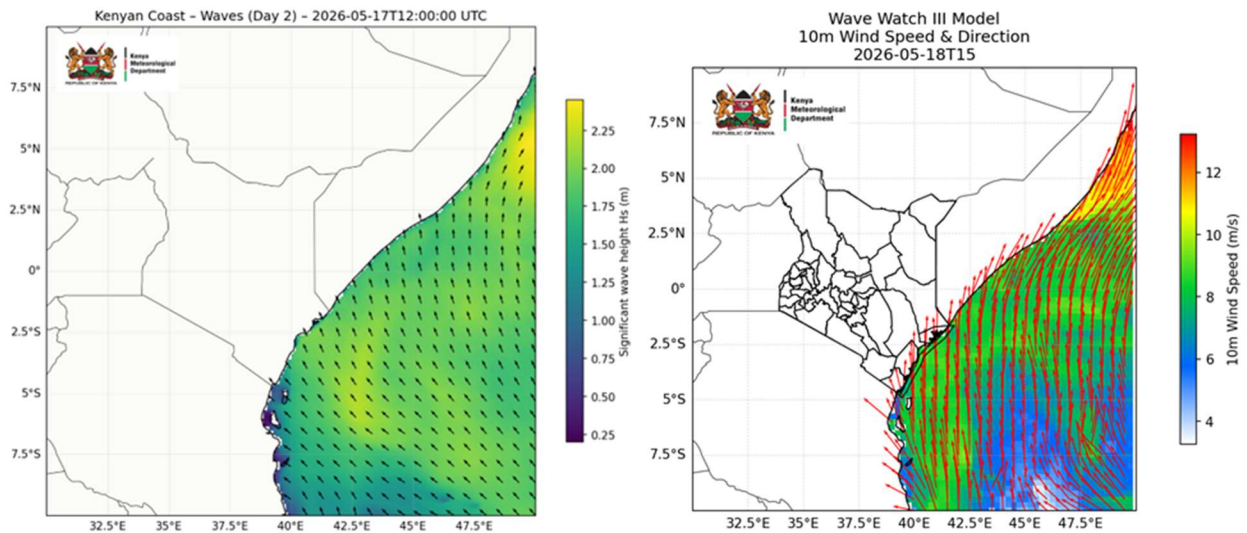
2.1 Sunday 17th May, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

Wave height: 0.5 m to 2.25m (\approx 1.5– 6.75ft) 10m Winds: 04-24 knots (\approx 2 – 12m/s)



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

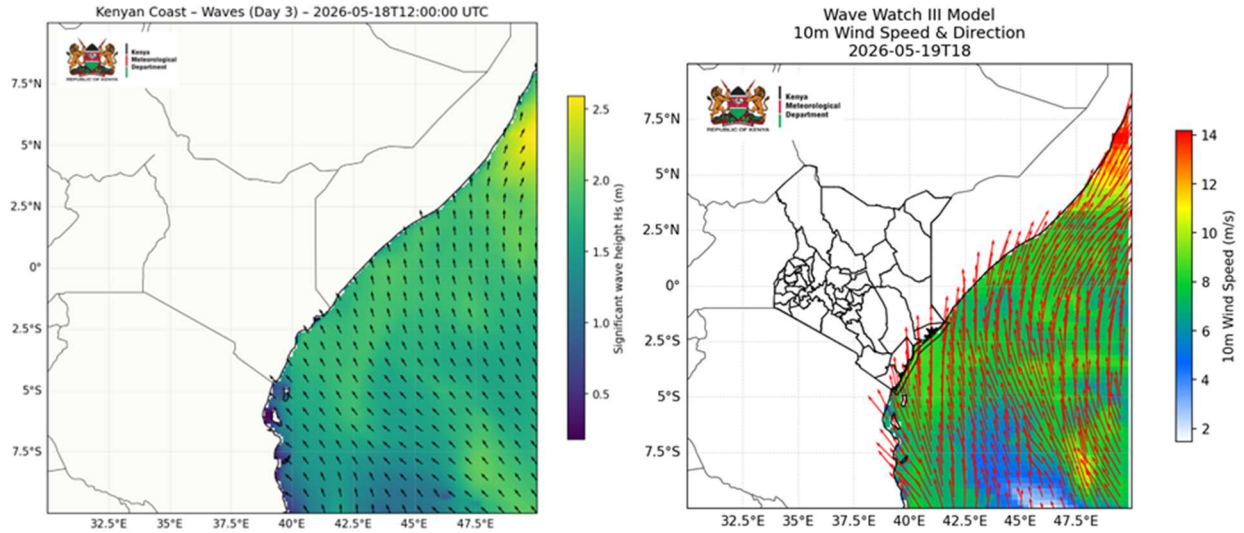
Wave height: 0.25 m to 2.25m (\approx 0.75– 6.75ft) 10m Winds: 08-24 knots (\approx 4– 12 m/s)



2.3 Tuesday 19th May, 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)

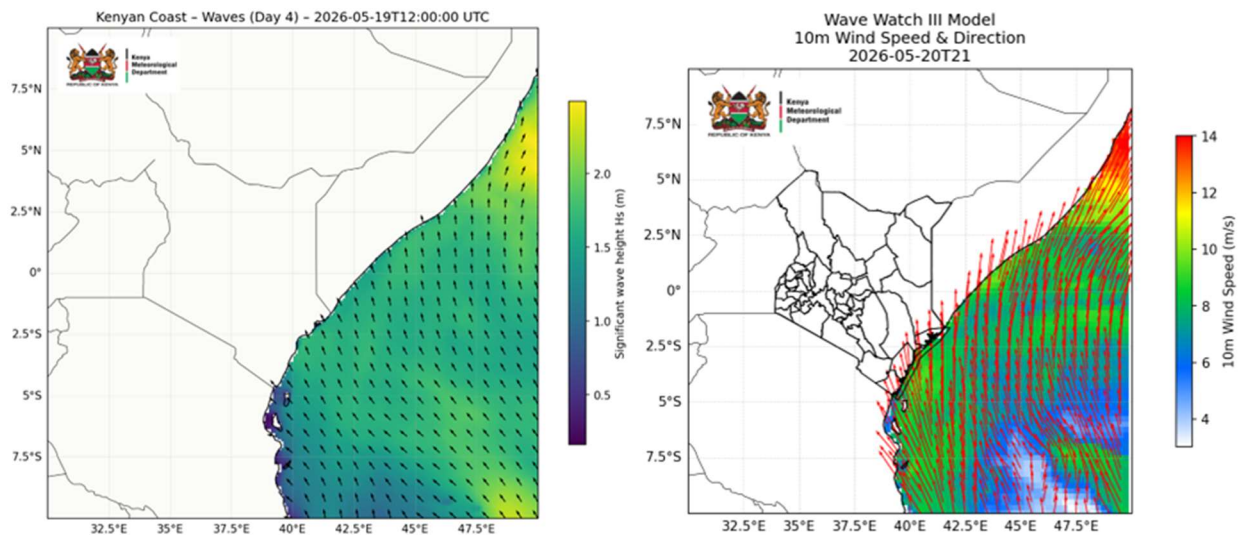
10m Winds: 04-28 knots (\approx 2– 14 m/s)



2.4 Wednesday 20th May, 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)

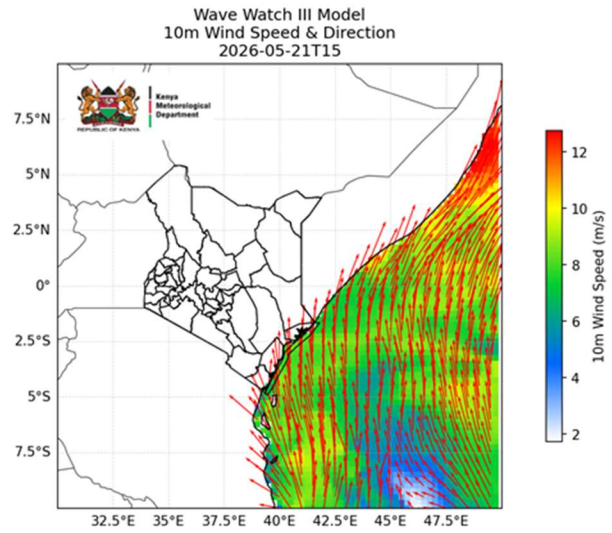
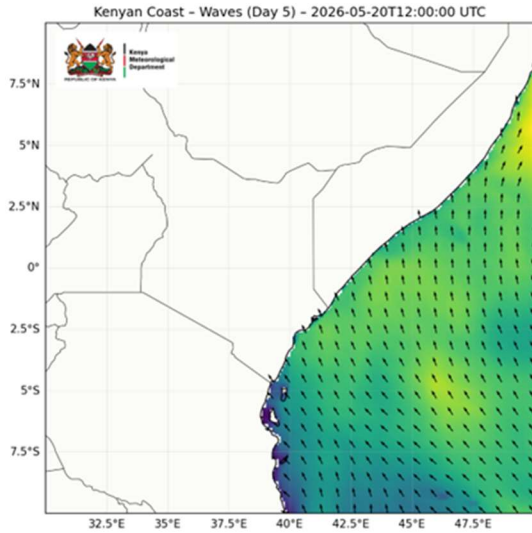
10m Winds: 08 -24 knots (\approx 4– 14m/s)



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

Wave height: 0.25 m to 2.25m (\approx 0.75– 6.75ft)

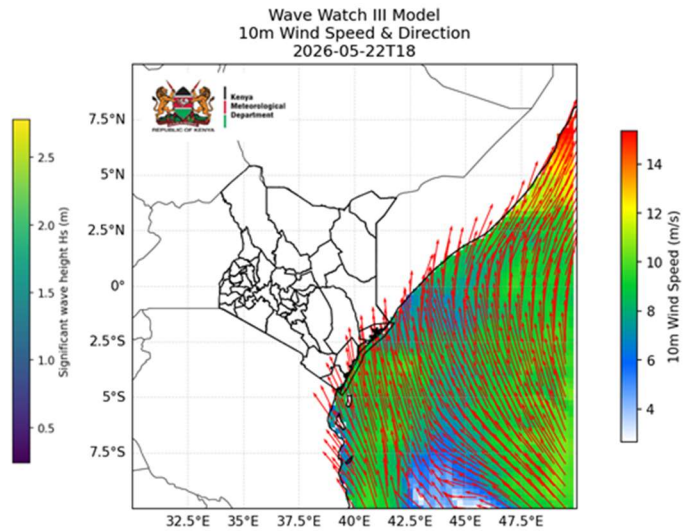
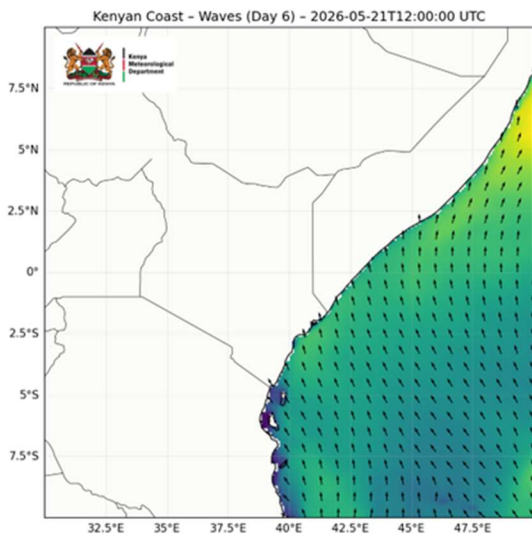
10m Winds: 04-24 knots (\approx 2 – 12m/s)



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

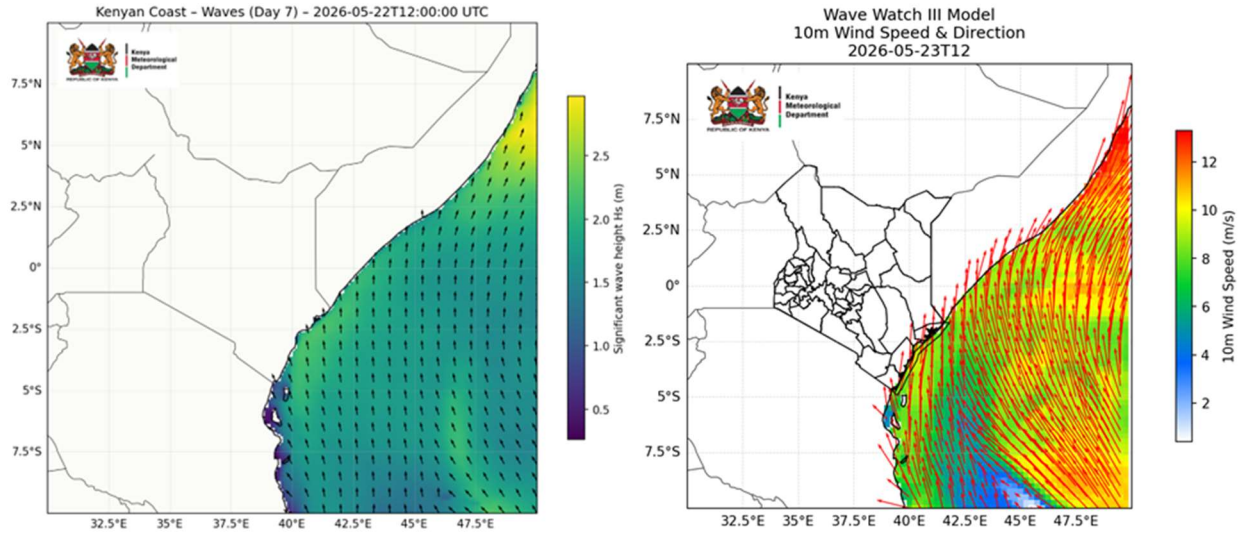
Wave height: 0.5 m to 2.5m (\approx 1.5– 7.5ft)

10m Winds: 08-24 knots (\approx 4– 14m/s)



2.7 Saturday 23rd May, 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: 08-24knots (\approx 2 – 12m/s)

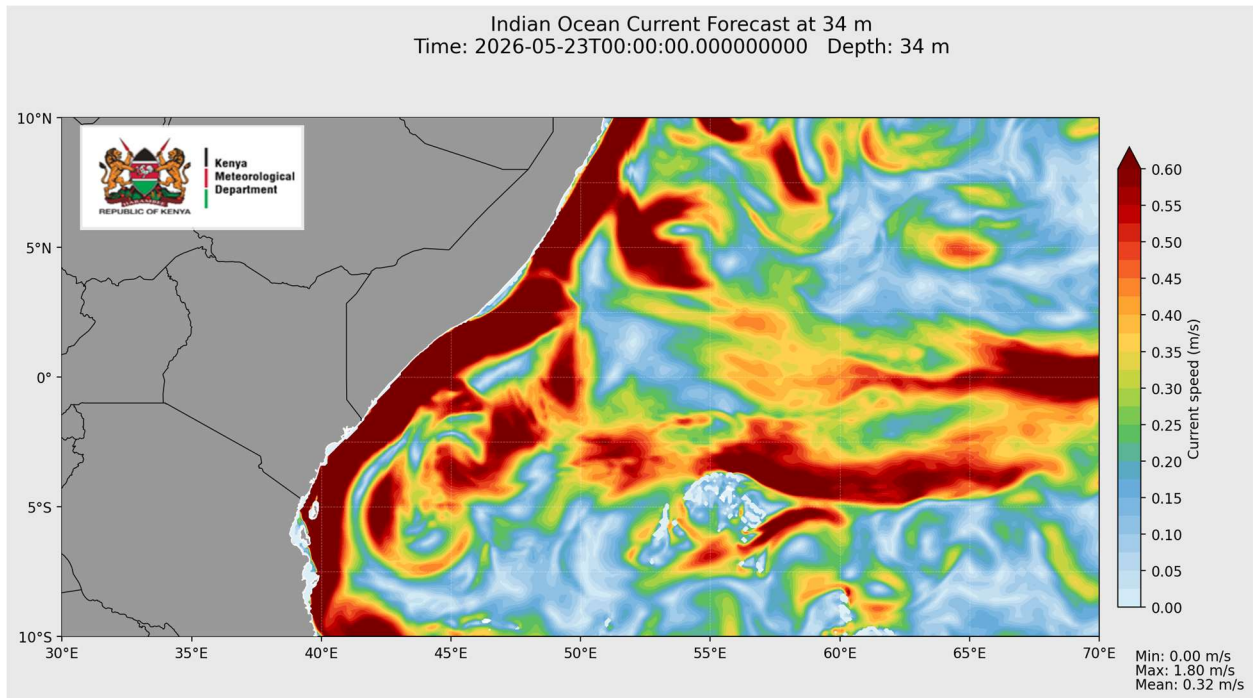


3.0 TIDE FORECAST VALID FROM 17TH MAY, 2026 TO 23RD MAY, 2026.

Date	Description	High Tide		Low Tide	
		Time	Height	Time	Height
Sun 17 th May, 2026	1 st Tide	04:03 AM	3.51 m	10:01 AM	0.28 m
	2 nd Tide	04:18 PM	4.33 m	10:45 PM	0.04 m
Mon 18 th May, 2026	1 st Tide	04:46 AM	3.51 m	10:42 AM	0.26 m
	2 nd Tide	05:01 PM	4.31 m	11:27 PM	0.10 m
Tue 19 th May, 2026	1 st Tide	05:31 AM	3.43 m	11:25 AM	0.34 m
	2 nd Tide	05:47 PM	4.16 m		
Wen 20 th May, 2026	1 st Tide	06:19 AM	3.29 m	12:11 AM	0.25 m
	2 nd Tide	06:36 PM	3.91 m	12:09 PM	0.52 m

Thu 21st May, 2026	1st Tide	07:13 AM	3.12 m	12:57 AM	0.48 m
	2nd Tide	07:31 PM	3.59 m	12:58 PM	0.78 m
Fri 22nd May, 2026	1st Tide	08:16 AM	2.96 m	01:48 AM	0.74 m
	2nd Tide	08:35 PM	3.26 m	01:55 PM	1.07 m
Sat 23rd May, 2026	1st Tide	09:30 AM	2.88 m	02:47 AM	0.99 m
	2nd Tide	09:50 PM	2.99 m	03:08 PM	1.33 m

**4.0 7 DAYS OCEAN SURFACE CURRENT IN METERS PER SECONDS (M/S)
FORECAST VALID 17/05/2026 TO 23/05/2026**



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.

K. Langat.

FOR DIRECTOR OF KENYA METEOROLOGICAL DEPARTMENT