



REPUBLIC OF KENYA
MINISTRY OF ENVIRONMENT, CLIMATE CHANGE AND FORESTRY
KENYA METEOROLOGICAL DEPARTMENT
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Our Ref: MET/MSA-CNTY WEEK 2 MARCH 2025





























Date of Issue: 10th MARCH 2025

MOMBASA COUNTY WEEKLY WEATHER FORECAST VALID 11TH – 17TH MARCH 2025

PART-I: Mombasa County Weekly Weather Outlook

- 1 Mixed weather in the County throughout the forecast week. Some slight showers at the beginning of the forecast week and significant showers expected around Changamwe, and Mtongwe areas of the County over the weekend of the forecast week.
 - 2 The expected range of daytime MAXIMUM temperature is 32- 33 °C; the average MINIMUM temperature will be around 26 °C.
 - 3 Wind strength will vary between 4 - 8 m/s (8– 16 Kt) throughout the forecast period.
 - 4 **Moderate to Slight Ocean conditions throughout the forecast week.** Ocean conditions (0.7 – 1.8 m).
 - 5 CAUTION IS HOWEVER ADVISED WHILE CONDUCTING MARINE ACTIVITIES IN DEEP SEAS
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PART-II: Detailed Weekly Weather Forecast for Mombasa County

		Probable weather						
		Notes: Light rains < 1-5 mm; Moderate rains 5-20 mm; Heavy rains > 20 mm						
		Tue 11/3/2025	Wed 12/3/2025	Thurs 13/3/2025	Fri 14/3/2025	Sat 15/3/2025	Sun 16/3/2025	Mon 17/3/2025
Rainfall	Morning	 Light showers and sunny	 Cloudy and Sunny	 Cloudy and Sunny	 Cloudy and Sunny	 Cloudy and sunny	 Showers and Cloudy	 Cloudy and sunny
	Afternoon	 Cloudy Sunny intervals	 Cloudy and Sunny	 Cloudy and Sunny	 Cloudy and Sunny	 Cloudy and Sunny	 Cloudy and Sunny	 Cloudy and Sunny
	Night	 Partly Cloudy	 Partly Cloudy	 Partly Cloudy	 Partly Cloudy	 Partly cloudy	 Partly Cloudy	 Partly Cloudy
	Distribution	 Several places	 Several Places	 Several places	 Several places	 Several places	 Several places	 Several places
Temperature	Maximum	33 °C	33 °C	33 °C	33 °C	33 °C	31 °C	32 °C
	Minimum	26 °C	26 °C	26 °C	26 °C	26 °C	26 °C	26 °C
Humidity	Maximum	82 %	80%	80 %	80 %	80 %	80 %	86 %
	Minimum	72 %	70 %	70 %	72 %	72 %	74 %	75 %
Wind Maximum	Speed & Direction	North East @ 7 m/s	North East @ 8 m/s	North East @ 6 m/s	North East @ 4 m/s	North East @ 4 m/s	South East @ 5 m/s	South @ 5 m/s
Significant Ocean wave height		1.0 – 1.5 m Slight	1.2 - 1.8 m Slight	0.8 – 1.5 m Slight	0.7 – 1.2 m Slight	0.8 – 1.4 m Slight	0.7 – 1.2 m Slight	0.7 – 1.2 m Moderate

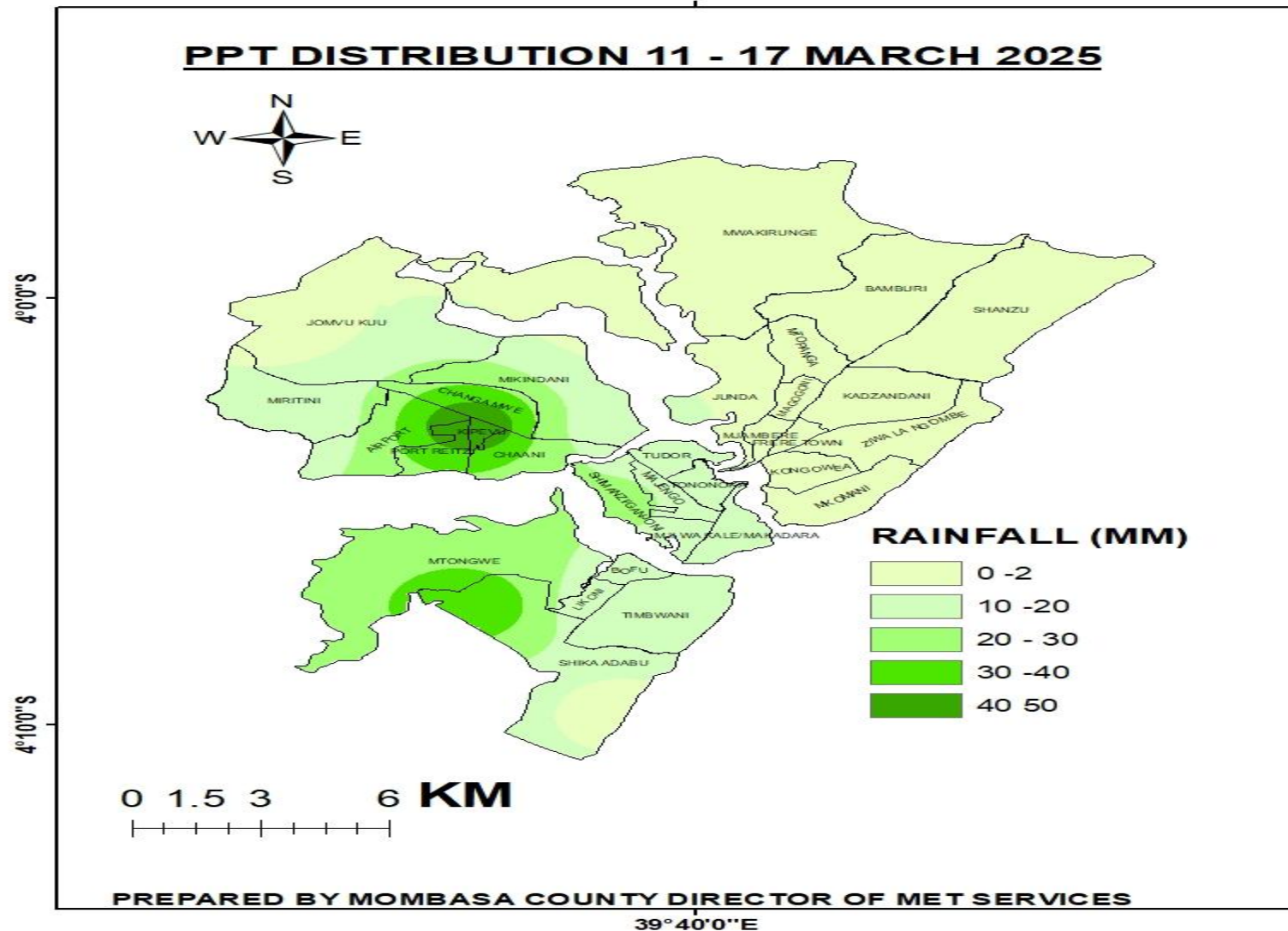
PART-III: WEATHER SYMBOLS

Key for Marine Hazard Symbols

WAVE HEIGHT RANGE (Metres)		DESCRIPTION	IMPACT
0.5 – 1.0		SLIGHT SEA STATE	Conditions suitable for Marine activities
1.1 – 2.0		MODERATE SEA STATE	
2.1 – 3.0		ROUGH	
>3.0		VERY ROUGH	Warning in place!!!! Warning in place on marine activities
Conditions suitable for Marine Activities			
Caution required when operating Marine Activities in deep seas (Significant high waves)			
Warning in Place (Sea significantly Rough)			
WIND SPEEDS	RANGE	DESCRIPTIONS	IMPACT
	< 1	-Calm:	1 – 6 knots, the Ocean is relatively calm with very little disturbance. Suitable for Marine operations
	1 – 3 Knots	-Light air: rising smoke drifts	
	4 – 6 Knots	-Light breeze: can feel wind on the face, small wavelets develop.	7 – 17 knots, small boats are likely to be filled with water sprays and become unstable. Caution in carrying our marine activities
	7 – 10 Knots	-Gentle breeze: Light weight flags extend, small wavelets, some whitecaps develop	
	11 – 16 Knots	-Moderate Breeze: Small waves develop and become longer	More than 20 knots, the ocean state is very much disturbed and the prevailing conditions is dangerous for marine operations. Warning in place!!!!
	17 – 21 Knots	-Fresh breeze: white crested wavelets form with some sprays	
	22 – 27 Knots	-Strong breeze: large waves form, white caps and sprays:	
	28 – 33 Knots	-Very strong winds: larger waves develop and white foams from breaking waves begin to be blown	
	>34 Knots	Extremely strong. Larger waves with blown foams	
DIRECTIONS	N, E, S, W	The pointer indicates the direction from which the wind is blowing from	

Mr. Joseph Amollo
County Director of Meteorological Services, Mombasa County

PRECIPITATION DISTRIBUTION OVER MOMBASA COUNTY 11 – 17 MARCH 2025



ADDITIONAL INFORMATION

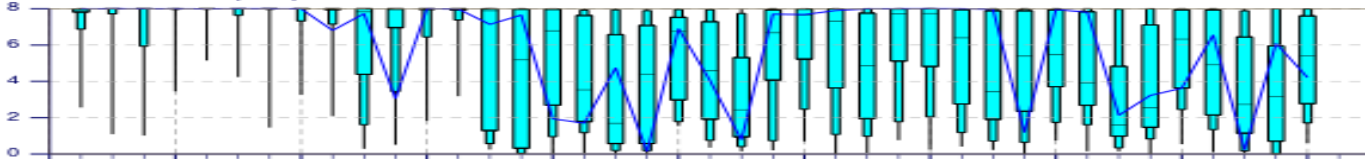
10 DAYS FORECASTS FOR WINDS, PRECIPITATIONS AND TEMPERATURE MOMBASA

ENS Meteogram

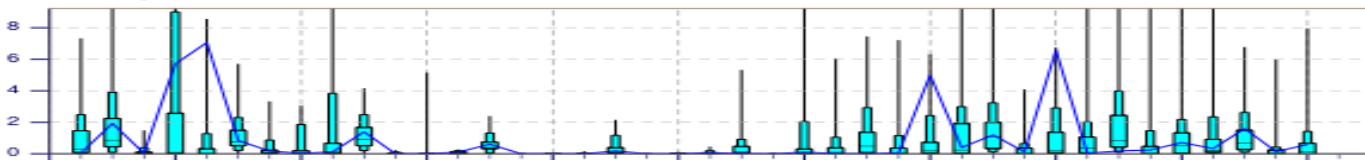
4.04°S 39.68°E (ENS land point) 1 m

Control Forecast and ENS Distribution Monday 10 March 2025 00 UTC

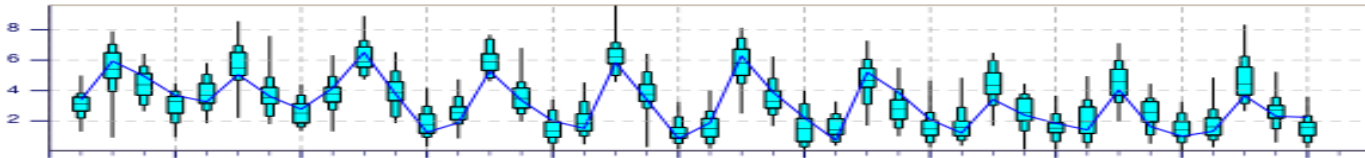
Total Cloud Cover (okta)



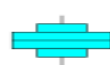
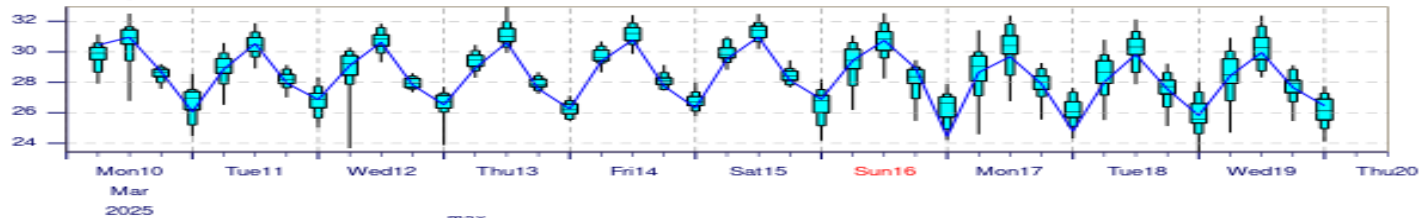
Total Precipitation (mm/6h)



10m Wind Speed (m/s)



2m Temperature(°C) reduced to 1 m (Station height) from -7m (Model height)

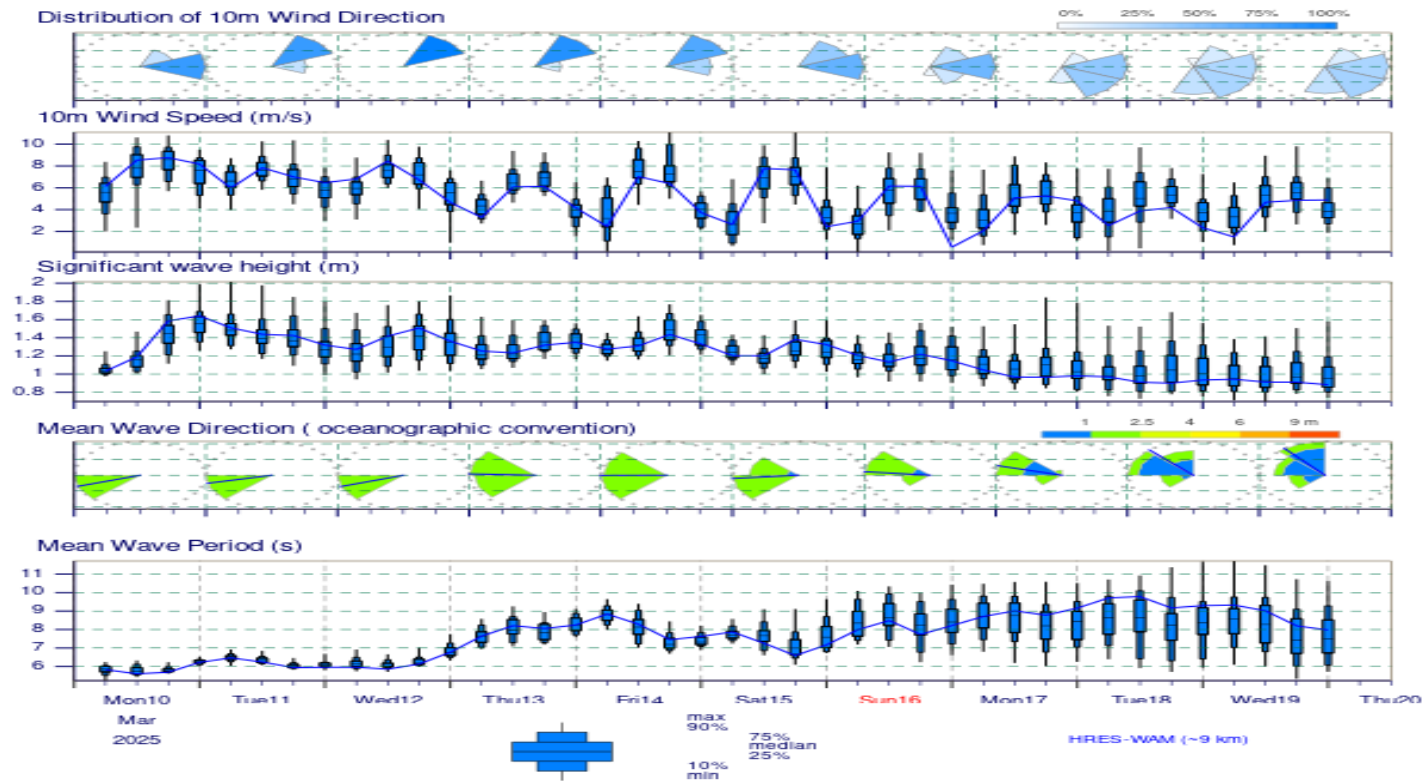


max
90%
75%
median
25%
10%
min

Model (~9 km)

TEN DAYS SIGNIFICANT WAVE HEIGHTS, WINDS, OVER SOUTH WEST INDIAN OCEAN

Wave ENSgram
3.76°S 40.06°E (ENS sea point)
Monday 10 March 2025 00 UTC



The distribution of wind directions is South East, throughout the 10 days forecast period, the wind speeds vary between 3 m/s and 9 m/s, the wave heights vary between 1.0 m and 1.8 m. The wave directions are Southeasterly (SE) and the wave periods between 5 and 9 seconds