



**REPUBLIC OF KENYA**  
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*Our Ref: MET/MSA-CNTY WEEK 2JAN2025*

*Date of Issue: 6<sup>TH</sup> DECEMBER 2024*





























## **MOMBASA COUNTY WEEKLY WEATHER FORECAST VALID 7<sup>TH</sup> – 13<sup>TH</sup> JAN 2025**

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### **PART-I: Mombasa County Weekly Weather Outlook**

- 1 Dry weather conditions are expected throughout the forecast week. No significant rainfall expected during the week.
  - 2 The expected range of daytime MAXIMUM temperature is 31- 32 °C; the average MINIMUM temperature will be around 25 °C.
  - 3 Wind strength will vary between 4 - 6 m/s (8 – 12 Kt) throughout the forecast period.
  - 4 Slight to Moderate Ocean conditions (0.8 – 1.8 m) will prevail throughout the forecast week and is favourable for marine activities. Significant waves of more than 1.8 m will be experienced towards the end of the forecast week.
  - 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 7/1/2024	Wed 8/1/2025	Thurs 9/1/2025	Fri 10/1/2025	Sat 11/1/2025	Sun 12/1/2025	Mon 13/1/2025
<b>Rainfall</b>	<b>Morning</b>	 Cloudy and Sunny	 Cloudy and Sunny	 Slight showers and Sunny	 Cloudy and Sunny	 Cloudy and Sunny	 Cloudy and Sunny	 Cloudy and Sunny
	<b>Afternoon</b>	 Cloudy Sunny intervals	 Cloudy and Sunny	 Cloudy and Sunny	 Cloudy and Sunny	 Cloudy and Sunny	 Cloudy and Sunny	 Cloudy and Sunny
	<b>Night</b>	 Partly Cloudy	 Partly Cloudy	 Partly Cloudy	 Partly Cloudy	 Partly cloudy	 Partly Cloudy	 Partly Cloudy
	<b>Distribution</b>	 Several places	 Several Places	 Several places	 Several places	 Several places	 Several places	 Several places
<b>Temperature</b>	<b>Maximum</b>	32 °C	32 °C	31 °C	32 °C	32 °C	31 °C	32 °C
	<b>Minimum</b>	25 °C	25 °C	25 °C	25 °C	25 °C	25 °C	25 °C
<b>Humidity</b>	<b>Maximum</b>	82 %	80 %	80 %	82 %	82 %	85 %	84 %
	<b>Minimum</b>	72 %	70 %	70 %	70 %	72 %	75 %	73 %
<b>Wind Maximum</b>	<b>Speed &amp; Direction</b>	North East @ 6 m/s	North East @ 5 m/s	East @ 4 m/s	North East @ 4 m/s	North East @ 4 m/s	North East @ 6 m/s	North East @ 6 m/s
<b>Significant Ocean wave height</b>		1.3 – 1.8 m Moderate	0.8 – 1.2 m Slight	0.8 – 1.2 m Slight	0.8 – 1.2 m Slight	0.8 – 1.2 m Slight	1.2 – 1.8 m Moderate	1.2 – 1.8 m Moderate

## PART-III: WEATHER SYMBOLS

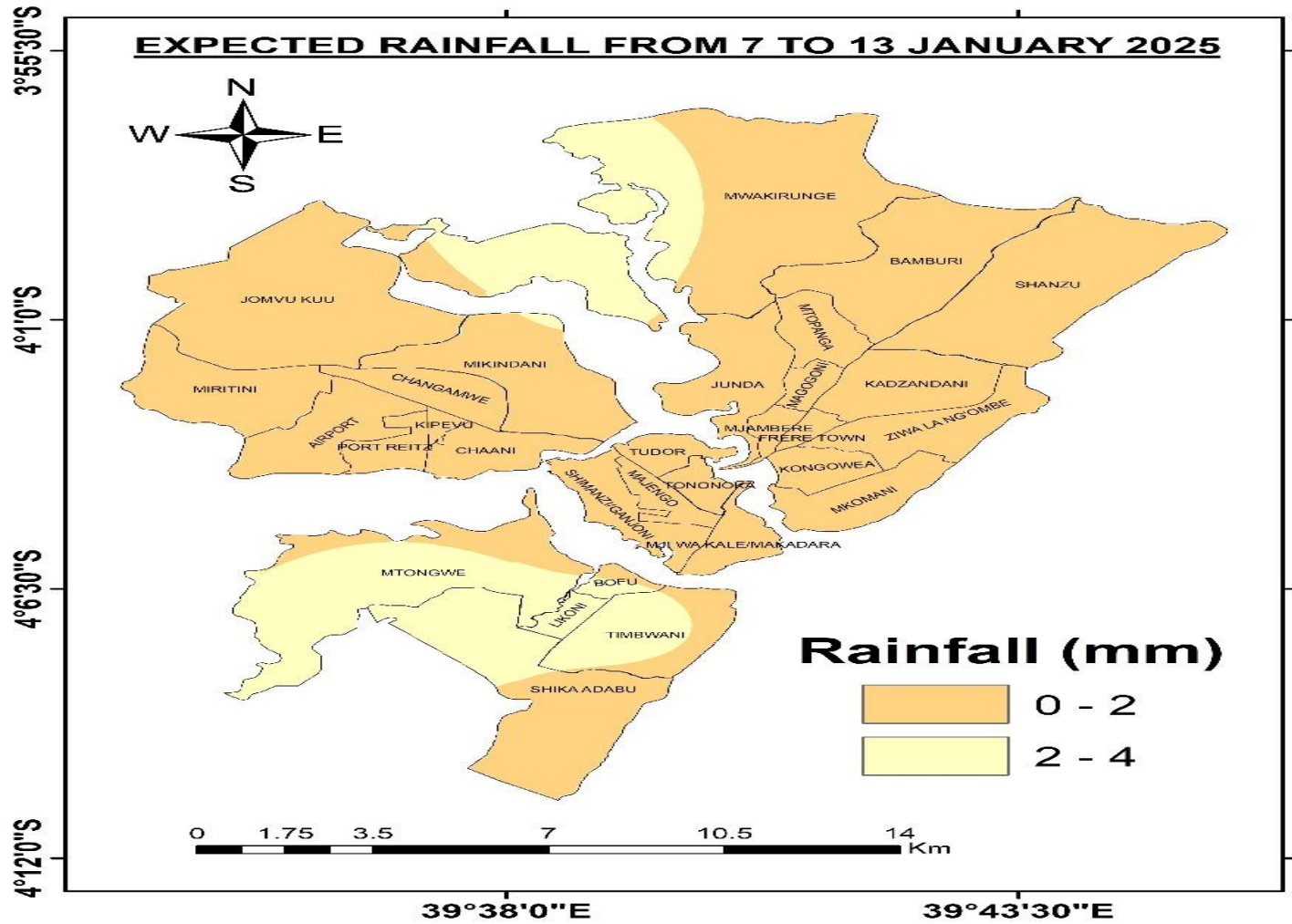
### Key for Marine Hazard Symbols

WAVE HEIGHT RANGE (Metres)		DESCRIPTION	IMPACT
0.5 – 1.0		SLIGHT SEA STATE	<p>Conditions suitable for Marine activities</p> <p>Caution when operating marine activities</p> <p>Warning in place!!!!</p> <p>Warning in place on marine activities</p>
1.1 – 2.0		MODERATE SEA STATE	
2.1 – 3.0		ROUGH	
>3.0		VERY ROUGH	
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:	<p>1 – 6 knots, the Ocean is relatively calm with very little disturbance. Suitable for Marine operations</p> <p>7 – 17 knots, small boats are likely to be filled with water sprays and become unstable.</p> <p>Caution in carrying our marine activities</p> <p>More than 20 knots, the ocean state is very much disturbed and the prevailing conditions is dangerous for marine operations. Warning in place!!!!</p>
	1 – 3 Knots	-Light air: rising smoke drifts	
	4 – 6 Knots	-Light breeze: can feel wind on the face, small wavelets develop.	
	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	
	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

**WEEKLY RAINFALL DISTRIBUTION FOR MOMBASA COUNTY 7<sup>TH</sup> 13<sup>TH</sup> JAN. 2025**



**Prepared by The Mombasa County Director of Meteorological Services**

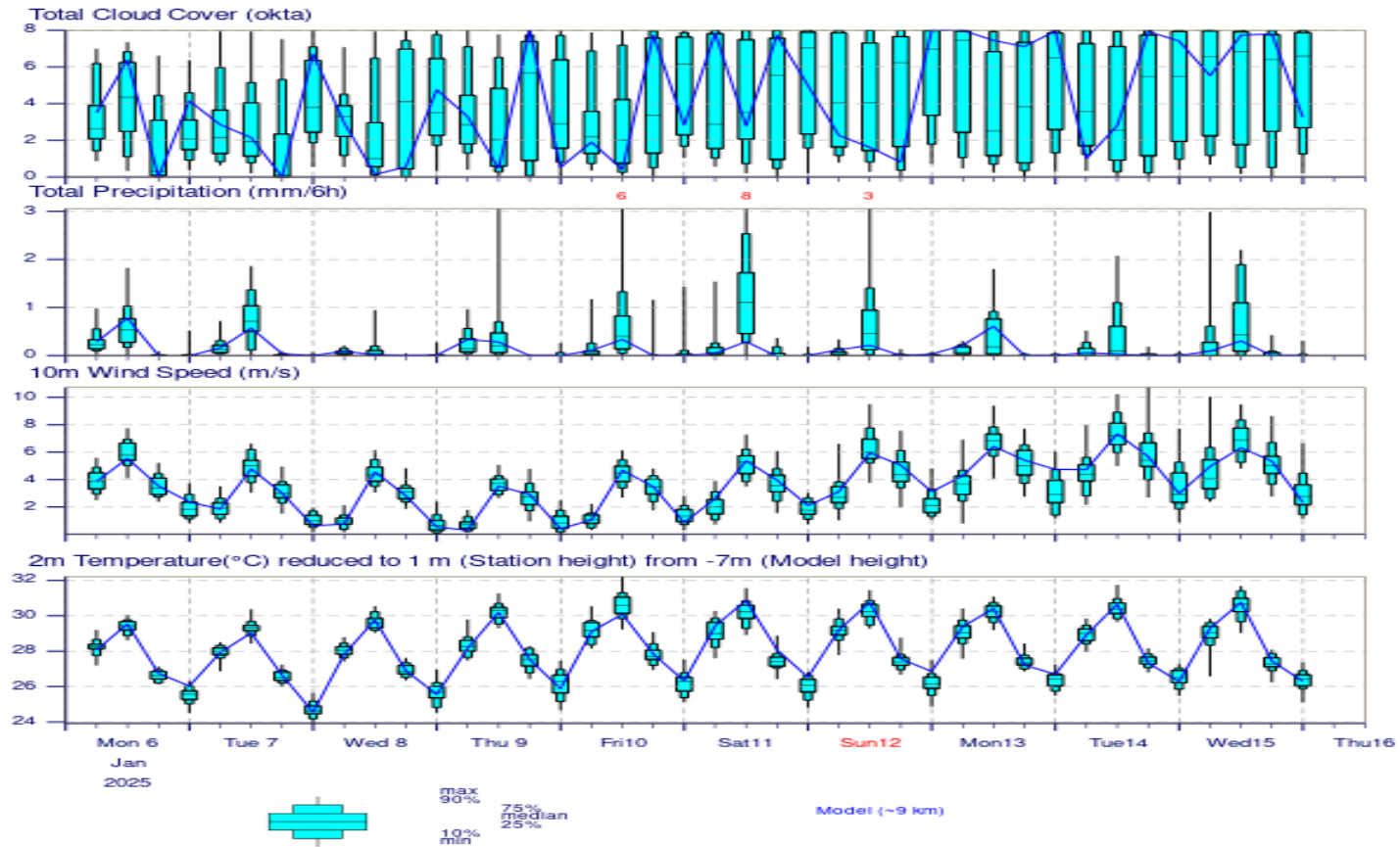
## ADDITIONAL INFORMATION

### 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 6 January 2025 00 UTC



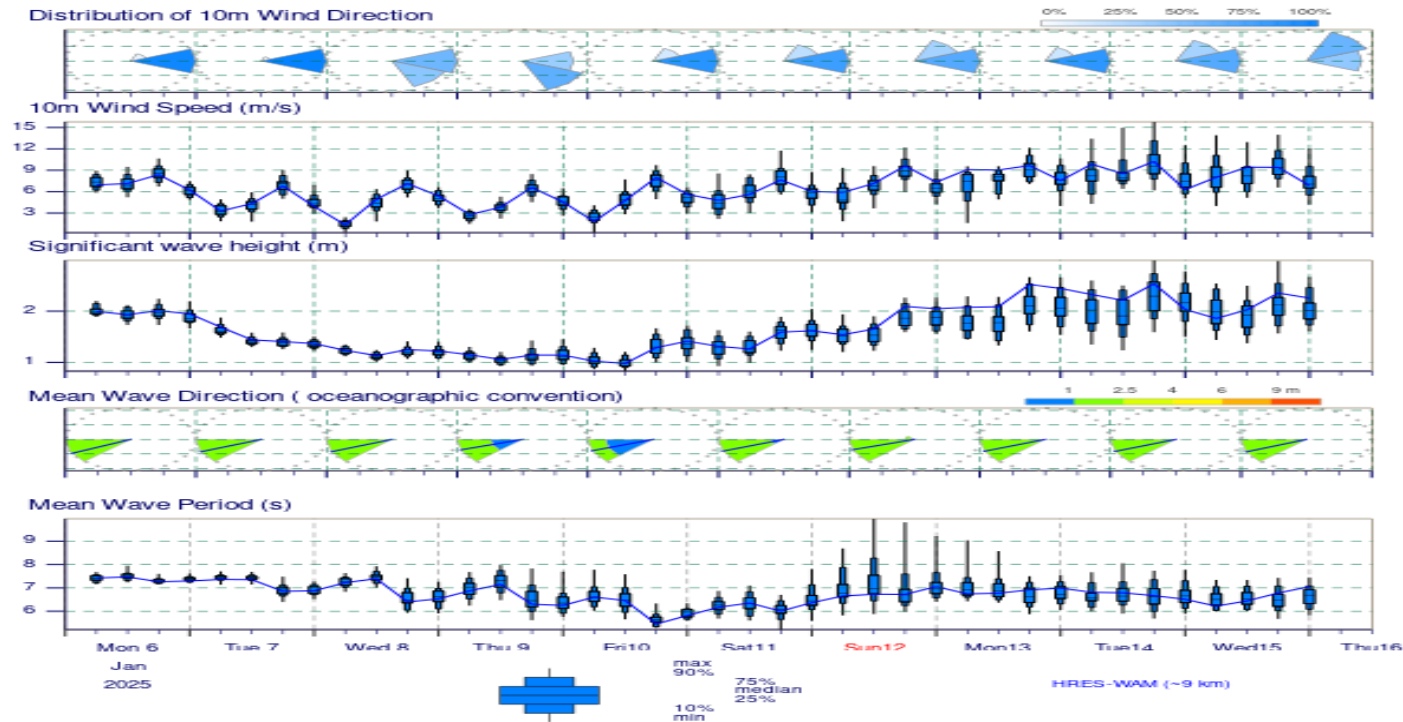
# TEN DAYS SIGNIFICANT WAVE HEIGHTS, WINDS, OVER SOUTH WEST INDIAN OCEAN

Wave ENSgram

3.2°S 40.39°E (ENS sea point)

Monday 6 January 2025 00 UTC

Distribution of 10m Wind Direction



*The distribution of wind directions is North East, throughout the 10 days forecast period, the wind speeds vary between 4 m/s and 8 m/s, the wave heights vary between 1.0 m and 1.6 m. The wave directions are Northeasterly (NE) and the wave periods between 5 and 7 seconds*