

PART I: 7day weather forecast summary

- The county is expected to experience mainly sunny and dry weather conditions with a chance for light-moderate occasional showers over few places on especially Thursday.
- Maximum/Daytime temperatures are expected to remain high, ranging from 30– 35 °C in areas within the coastline and 31-37 °C in the hinterlands.
- The Minimum/Night temperatures are expected to range from 24-29 °C in areas within the coastline and 22-29 °C in the hinterlands.
- Very Strong winds are expected in the first half of the forecast period and mainly East North Easterlies, ranging from moderate to very strong (5-15m/s).
- Stronger winds of up to 14-15m/s are expected from 4th to 7th February 2025 in the afternoon and evening in areas within the coastline and hinterlands respectively.
- Areas within the coastline are expected to experience moderate to very strong ENE winds ranging from 5-14m/s.
- The hinterlands are expected to experience moderate to very strong ENE winds ranging from 5-15m/s.
- There's need for caution from 4th to 7th February 2025 due to very strong winds of up to 15m/s in the afternoon and evening.

PART II: Rainfall and winds forecast per Sub County

Magarini subcounty:

Mainly sunny and dry weather conditions expected with a chance for light occasional showers on Thursday.

Winds are expected to be stronger and mainly ENE ranging from moderate to very strong 5-14m/s .

Very strong winds expected from 4th to 6th Feb, 2025 afternoon and evening.

Malindi subcounty:

Mainly sunny and dry weather conditions expected with a chance for light occasional showers on Thursday.

Winds are expected to be stronger and mainly ENE ranging from moderate to very strong 6-14m/s .

Very strong winds expected from 4th to 6th Feb, 2025 afternoon and evening.

Ganze subcounty:

Mainly sunny and dry weather conditions expected with a chance for light occasional showers on Thursday.

Winds are expected to be stronger and mainly ENE ranging from moderate to very strong 6-15m/s .

Very strong winds expected from 4th to 6th Feb, 2025 afternoon and evening.

Kilifi north subcounty:

Mainly sunny and dry weather conditions expected with a chance for light occasional showers on Thursday.

Winds are expected to be stronger and mainly ENE ranging from moderate to very strong 6-14m/s .

Very strong winds expected from 4th to 6th Feb, 2025 afternoon and evening.

Kilifi south subcounty:

Mainly sunny and dry weather conditions expected with a chance for light occasional showers on Thursday.

Winds are expected to be stronger and mainly ENE ranging from moderate to very strong 6-13.5m/s .

Very strong winds expected from 4th to 6th Feb, 2025 afternoon and evening.

Kaloleni subcounty:

Mainly sunny and dry weather conditions expected with a chance for light occasional showers on Thursday.

Winds are expected to be stronger and mainly ENE ranging from moderate to very strong 5-13.5m/s .

Very strong winds expected from 4th to 6th Feb, 2025 afternoon and evening.

Rabai subcounty:

Mainly sunny and dry weather conditions expected with a chance for light occasional showers on Thursday.

Winds are expected to be stronger and mainly ENE ranging from moderate to very strong 5-14m/s .

Very strong winds expected from 4th to 6th Feb, 2025 afternoon and evening.

Table I: INLAND WINDS PER SUB COUNTY

	WIND SPEED IN m/s (INLAND WINDS)						
sub county	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday
Magarini	5-12.5 Moderate- strong	6-13.5 Moderate- very strong	6-14 Moderate- very strong	6-12 Moderate- strong	6-12 Moderate- strong	6-11 Moderate- strong	5-11 Moderate- strong
Malindi	6.5-12.5 Moderate- strong	7-13.5 Moderate- very strong	6.5-14 Moderate- very strong	6-12 Moderate- strong	6-11 Moderate- strong	6-11.5 Moderate- strong	5-11.5 Moderate- strong
Ganze	7-13.5 Moderate- strong	6-13.5 Moderate- very strong	7.5-15 Moderate- very strong	7-13 Moderate- very strong	6-12 Moderate- strong	6-12.5 Moderate- strong	6-12.5 Moderate- strong
Kilifi north	7-12.5 Moderate- strong	7-4 Moderate- very strong	7-13 Moderate- very strong	6-12 Moderate- strong	6-12 Moderate- strong	6-12 Moderate- strong	6-11 Moderate- strong
Kilifi south	7-13 Moderate- very strong	7.5-13 Moderate- very strong	7.5-13.5 Moderate- very strong	6-12 Moderate- strong	6-12 Moderate- strong	6-11.5 Moderate- strong	5-11.5 Moderate- strong
Kaloleni	6.5-12.5	6-13	7.5-13.5	6-12.5	5-12	5-12	5-11.5

	Moderate-strong	Moderate-very strong	Moderate-very strong	Moderate-strong	Moderate-strong	Moderate-strong	Moderate-strong
Rabai	6.5-12.5 Moderate-strong	6-12.5 Moderate-very strong	6.5-14 Moderate-very strong	6-12.5 Moderate-strong	6-11 Moderate-strong	6-11 Moderate-strong	5-12 Moderate-strong

PART III: Agro-weather advice to farmers concerning February –April season

- February is expected to be generally sunny and dry with a slight chance for occasional showers in a few places.
- Temperatures are expected to be higher than the climatological average.
- February, March and April fall within the active period for tropical storms as they approach their peak in May, ocean users are advised to follow the weekly Marine weather forecasts.
- This week, 4 Tropical storms/cyclones are anticipated in Southern Indian Ocean and could be influencing the very strong ENE winds expected to be experienced in the first half of the forecast period.
- Farmers, fishers and general public are advised to follow the weekly forecasts for more information.
- MAM Long rains season forecast indicate a possibility of Early to Near normal rainfall Onset, depressed rainfall for northern parts of Kilifi County lying within the hinterlands, Near average rainfall in Southern parts of Kilifi County lying within the coastline, poor to fair distribution, and dry spells coupled with occasional storms.
- The MAM rainfall season is expected to run into June hence coincide with the KUSI season from June to August which is normally characterized by light rains in areas within the Coastline.
- The season may also be affected by intra-seasonal variability systems such as cyclones or Madden Julian Oscillations which may either enhance or further depress the rains.
- The downscaled forecast for Kilifi County is being compiled and will be released soon.

PART IV: 7days Marine weather forecast.

Ocean conditions are expected to have a marked deterioration in the first half of the forecast period especially from 4th to 6th February, 2025, with moderate to very strong winds and moderate to strong winds the rest of the forecast period.

- Moderate to rough Sea conditions with wind speed ranging from 10-14m/s and wave heights of 1-3.0m are expected.
- Small vessels are advised to avoid venturing from Tuesday to Thursday 4th to 6th Feb 2025 due to moderate to very strong winds and moderate to high waves.
- Small vessels are advised to venture with caution the rest of the forecast period.

Table II: Ocean wave height and wind speed for Kenyan waters

Max. wind	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday
In m/s	10-12	10-13	10-14	10-12	10-12	10-11	10-11
Wave in m	2-2.7	2-3.0	2-2.7	1.5-2.5	1.5-2.0	1-1.5	1-1.5

PART IV: Key on Ocean State

(A)	WAVE HEIGHT RANGE (Metres)	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
(B)	WIND RANGE	DESCRIPTION	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.
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In concurrence with outputs from relevant marine data platforms, acknowledgment 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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