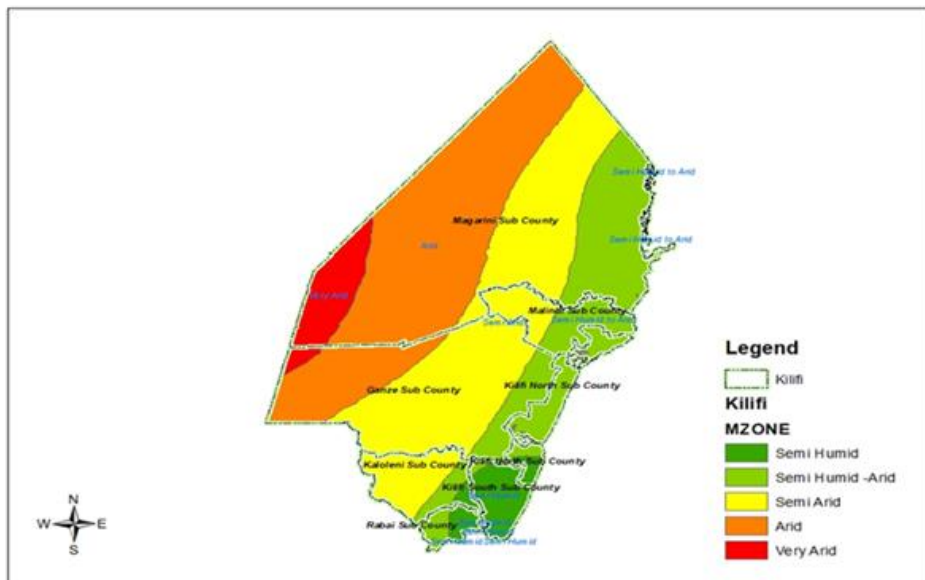


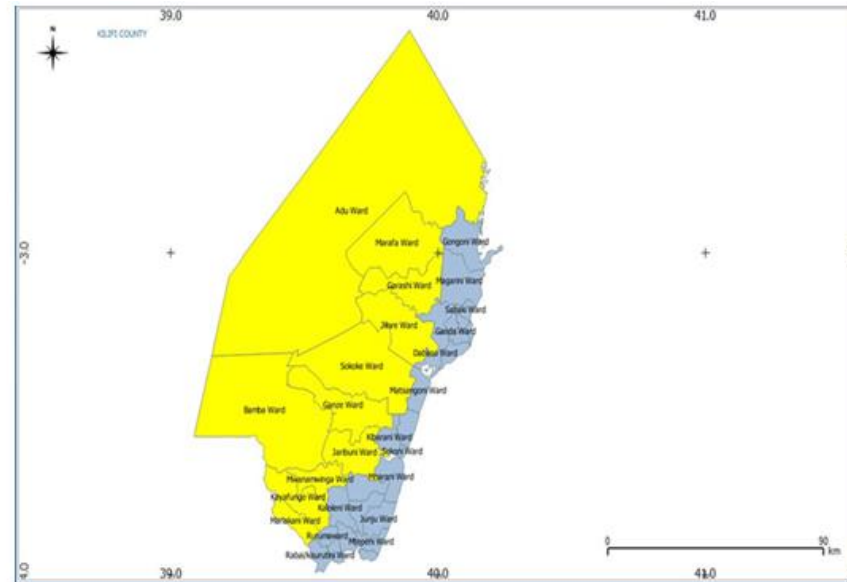


Republic of Kenya
Ministry of Environment, Climate Change and Forestry
Kenya Meteorological Department
County Director of Meteorological Services, Kilifi County
Email: gleshanta@gmail.com

Weekly Weather forecast for Kilifi County valid 21st to 27th January, 2025



The 5 climatic zones of Kilifi County (very arid, arid, semi arid, semi humid, semi humid-arid lands)



The hinterlands (yellow) and the coastline (blue) regions of Kilifi County

PART I: 7day weather forecast summary

- The county is expected to experience mainly sunny and dry weather conditions with a slight chance for light occasional showers over few places on Tuesday, Wednesday or 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.
- Strong winds are expected to prevail and mainly East North Easterlies, ranging from moderate to very strong (5-14.5m/s).
- Very Strong winds of up to 14-14.5m/s are expected from 22nd to 26th January 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 5.5-14.5m/s.
- There's need for caution from 22nd to 26th January 2025 due to very strong winds of up to 14-14.5m/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 mainly ENE ranging from moderate to very strong 5.5-14.5m/s .

Very strong winds expected from Wednesday to Saturday afternoon and evening.

Malindi subcounty:

Mainly sunny and dry weather conditions expected.

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

Very strong winds expected from Thursday to Sunday afternoon and evening.

Ganze subcounty:

Mainly sunny and dry weather conditions expected.

Winds are expected to be mainly ENE ranging from moderate to very strong 5.5-14.5m/s .

Very strong winds expected from Wednesday to Saturday afternoon and evening

Kilifi north subcounty:

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

Winds are expected to be mainly ENE ranging from moderate to very strong 5.5-14m/s .

Very strong winds expected from Thursday to Sunday afternoon and evening.

Kilifi south subcounty:

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

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

Very strong winds expected from Thursday to Saturday afternoon and evening.

Kaloleni subcounty:

Mainly sunny and dry weather conditions expected.

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

Very strong winds expected from Thursday to Sunday afternoon and evening.

Rabai subcounty:

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

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

Very strong winds expected from Thursday to Saturday afternoon and evening.

Table1: INLAND WINDS PER SUB COUNTY

	WIND SPEED IN m/s (INLAND WINDS)						
sub county	Tuesday 21st	Wednesday 22nd	Thursday 23rd	Friday 24th	Saturday 25th	Sunday 26th	Monday 27th
Magarini	5.5-12.5 Moderate- strong	5-13 Moderate- very strong	7-14 Moderate -very strong	7-14 Moderate - very strong	7-14.5 Moderate - very strong	5-12.5 Moderate- strong	5-12.5 Moderate- strong
Malindi	6-11	6-11.5	7-13	7.5-13.5	7.5-14	7-13	6-12.5

	Moderate- strong	Moderate- strong	Moderate- very strong	Moderate- very strong	Moderate- very strong	Moderate- very strong	Moderate- strong
Ganze	6.5-12.5 Moderate- strong	7-13 Moderate- very strong	7-13.5 Moderate- very strong	7-14 Moderate- very strong	7-14 Moderate- very strong	5.5-12.5 Moderate- strong	5.5-12.5 Moderate- strong
Kilifi north	5.5-11 Moderate- strong	6-12 Moderate- strong	7-13 Moderate- very strong	7-14 Moderate- very strong	7-14 Moderate- very strong	7-14 Moderate- very strong	7-12.5 Moderate- strong
Kilifi south	6.5-12 Moderate- strong	5-12 Moderate- strong	7-13.5 Moderate- very strong	7.5-13.5 Moderate- very strong	7.5-13.5 Moderate- very strong	7.5-13 Moderate- very strong	7-12.5 Moderate- strong
Kaloleni	6-12.5 Moderate- strong	6.5-12.5 Moderate- strong	7-13.5 Moderate- very strong	7-13.5 Moderate- very strong	7-13.5 Moderate- very strong	7-13 Moderate- very strong	7-12.5 Moderate- strong
Rabai	5-12 Moderate- strong	5-11.5 Moderate- strong	6-13 Moderate- very strong	6-13.5 Moderate- very strong	6-13 Moderate- very strong	5-12 Moderate- strong	5-12 Moderate- strong

PART III: Agro-weather advice to farmers concerning January -March season

- The OND Season having reached its cessation in most parts of the county, farmers are advised to consult the agricultural experts to guide them on moisture conservation measures in the light of this forecast.
- January, February and March are expected to be mainly sunny and dry with chances of light occasional rains.
- In January, areas within Kilifi South, Rabai and parts of Kaloleni subcounties are expected to be sunny and dry with occasional showers while the rest of the county is expected to maintain climatological amounts and being mainly dry and sunny with chances for occasional rains.
- Temperatures are expected to be higher than climatological average.
- January, February and March 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.
- Farmers, fishers and general public are advised to follow the weekly forecasts for more information.

PART IV: 5days Marine weather update.

Ocean conditions are expected to improve then deteriorate on 24th January, 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 4-13m/s and wave heights of 1.2-2.5m are expected.
- Small vessels are advised to venture with caution due to moderate to very strong winds especially on Friday 24th January, 2025.

Table2: Ocean wave height and wind speed for Kenyan waters

Max. wind	Tuesday 21st	Wednesday 22nd	Thursday 23rd	Friday 24th	Saturday 25th	Sunday 26th	Monday 27th
In m/s	6--11	6--11	6-12	6-13	6--12	4-10	4-10
Wave in m	1.5-2.0	1.5-1.8	1.2-1.5	1.2-2.0	1.5-2.0	2-2.5	2-2.5

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 - ≥ 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.

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.

For further info Contact: Mobile No. 0720672579
