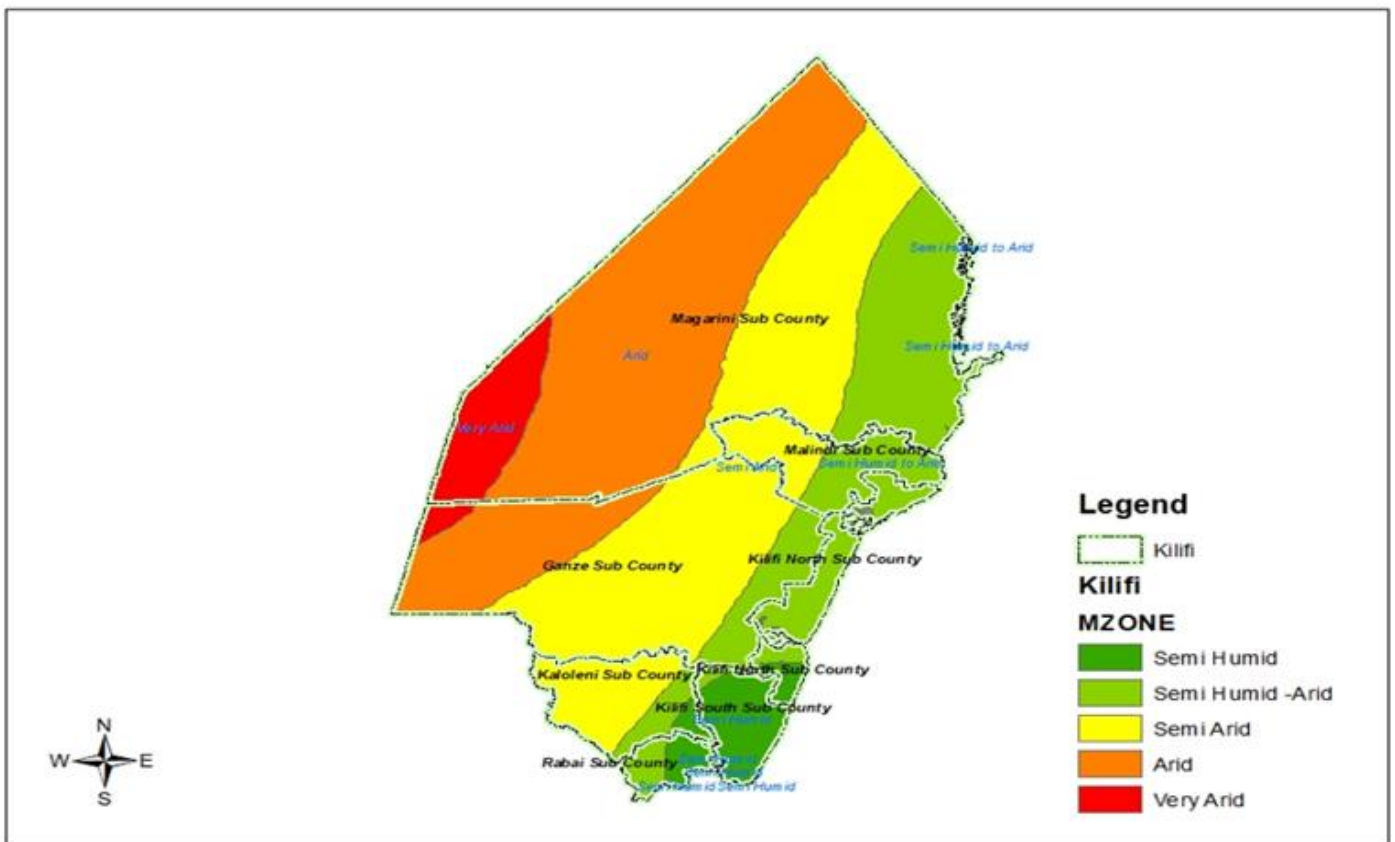


Weather & Marine Forecast for Kilifi County



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



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

Weekly Weather forecast for Kilifi County valid 6th to 12th May, 2025

PART I: Weekly weather forecast summary














- The County is expected to experience good amounts of rainfall accompanied by thunderstorms especially on Tuesday and Wednesday.
- The rest of the week is expected to be dominated by sunny intervals with occasional showers.
- Heavy rains >20mm are expected over few places in Malindi sub county on Tuesday and Wednesday.
- The northern half of the county in Kilifi North, Malindi and Magarini subcounties are expected to receive higher amounts of rainfall **accompanied by thunderstorms** on Tuesday and Wednesday.
- Maximum/Daytime temperatures are expected to decrease, ranging from 27– 31 °C in areas within the coastline and 28-32 °C in the hinterlands.
- The Minimum/Night temperatures are expected to decrease ranging from 22-24 °C in areas within the coastline and 22-25°C in the hinterlands.
- Moderate to very strong inland Winds (8-16m/s) are expected until Friday then reduce to Moderate to strong (5-13m/s) the rest of the week with mainly South south westerlies.
- There's need for caution throughout the week due to very strong inland winds.
- Ocean conditions are expected to further deteriorate from Tuesday 6th –Friday 9th May 2025 then begin to improve.
- **Users of small vessels are advised to avoid venturing the ocean from Tuesday to Friday and venture with caution from Saturday to Monday.**

PART II: Meteorological advice to farmers concerning March-May season














- The season is expected to be characterized by depressed rainfall with both dry and wet spells/occasional storms, poor-fair distribution, early- normal onset and late cessation running into June.
- May is expected to be the peak month for the season's rainfall.
- Near average amounts of rainfall expected in the month of May with both dry spells and heavy rains episodes.
- Rainfall expected to continue up to June,
- The areas within the coastline may benefit from KUSI/JJA light to moderate rains.
- Farmers are encouraged to plant drought tolerant crops normally planted in May.
- Temperatures are expected to continue being higher than the climatological average.
- The month of May marks both the peak and cessation of cyclones.
- Ocean users are advised to follow the weekly Marine weather forecasts for Kilifi County.
- General public are advised to be cautious of strong winds influenced by the storms.

Table I Weekly detailed forecast per subcounty














1. MAGARINI SUB COUNTY: Marafa, Magarini, Gongoni, Adu, Garashi, Sabaki Wards

	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday
Rainfall amounts Weekly total: 20-60mm	 6-10 mm Moderate showers&thun derstorms/sun ny intervals	 10-15 mm Moderate showers&thun derstorms/sun ny intervals	 0- 5 mm Light showers /sunny intervals	 5- 15mm Light -moderate showers /sunny intervals	 0-10 mm Light - moderate showers /sunny inter	 0- 5 mm Light showers chance /sunny intervals	 Sunny Intervals
Rainfall Distribution	 Few places	 Several Places	 Few places	 Several Places	 Few places	 Few places	
Max Temperature	31 °C	30 °C	32°C	30 °C	32°C	32 °C	31 °C
Min Temperature	23 °C	23 °C	24 °C	24 °C	24 °C	24 °C	23 °C
winds	Moderate- very strong Winds: SSW 7 –14 m/s	Moderate- very strong Winds: : SSW 8 –15 m/s	Moderate- very strong Winds: : SSW 8 –15 m/s	Moderate- strong Winds: : SSW 7 –13 m/s	Moderate- strong Winds: : SSW 6 –13 m/s	Moderate- strong Winds: : SSW 6 –13 m/s	Moderate- strong Winds: : SSW 5 –12 m/s














2. MALINDI SUB COUNTY: Jilore, Shela, Kakuyuni, Ganda, Malindi Town Wards

	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday
Rainfall amounts Weekly total: 20-75mm	 8-25 mm Moderate - Heavy showers&thun derstorms/sun ny intervals	 10-25 mm Moderate - Heavy showers&thun derstorms/sun ny intervals	 0- 5 mm Light showers /sunny intervals	 0- 10mm Light -moderate showers /sunny intervals	 0-5 mm Light - moderate showers /sunny inter	 0- 2 mm Light showers chance /sunny intervals	 Sunny Intervals
Rainfall Distribution	 Several Places	 Several Places	 Few places	 Few places	 Few places	 Few places	
Max Temperature	28 °C	29 °C	31 °C	30 °C	29 °C	29 °C	29 °C
Min Temperature	22 °C	23 °C	24 °C	24 °C	24 °C	24 °C	23 °C
winds	Breezy- very strong Winds: SSW 10 – 15m/s	Breezy - very strong Winds: : SSW 9 –16 m/s	Breezy - very strong Winds: : SSW 10–16 m/s	Moderate- very strong Winds: : SSW 8 –14 m/s	Moderate- strong Winds: : SSW 7 –13 m/s	Moderate- strong Winds: : SSW 6 –13 m/s	Moderate- strong Winds: : SSW 5 –12 m/s








3. KILIFI SOUTH SUB COUNTY: Junju, Mwarakaya, Chasimba, Mtepeni, Shimo La Tewa Wards







	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday
Rainfall amounts Weekly total: 15-45mm	 7-10 mm Moderate showers&thun derstorms/sun ny intervals	 7-15 mm Moderate showers&thun derstorms/sun ny intervals	 0- 5 mm Light showers /sunny intervals	 0- 5 mm Light showers /sunny intervals	 0- 5 mm Light showers /sunny intervals	 0- 5 mm Light showers chance /sunny intervals	 Sunny Intervals
Rainfall Distribution	 Several Places	 Several Places	 Few places	 Few places	 Few places	 Few places	
Max Temperature	28 °C	28 °C	29 °C	27 °C	27 °C	27 °C	28 °C
Min Temperature	23 °C	23 °C	24 °C	23°C	23 °C	23 °C	23 °C
winds	Moderate- very strong Winds: SSW 7 -14 m/s	Moderate- very strong Winds: : SSW 8 -15 m/s	Moderate- very strong Winds: : SSW 8 -15 m/s	Moderate- strong Winds: : SSW 7 -13 m/s	Moderate- strong Winds: : SSW 6 -13 m/s	Moderate- strong Winds: : SSW 6 -13 m/s	Moderate- strong Winds: : SSW 5 -12 m/s

4. KILIFI NORTH SUB COUNTY: Matsangoni, Watamu, Mnarani, Tezo, Sokoni, Dabaso, Kibarani














	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday
Rainfall amounts Weekly total: 20-60mm	 10-20 mm Moderate showers&thun derstorms/sun ny intervals	 10-15 mm Moderate showers&thun derstorms/sun ny intervals	 0- 5 mm Light showers /sunny intervals	 2-5 mm Light /sunny intervals	 0-5 mm Light - showers /sunny inter	 0- 5 mm Light showers chance /sunny intervals	 Sunny Intervals
Rainfall Distribution	 Several Places	 Several Places	 Few places	 Several Places	 Few places	 Few places	
Max Temperature	27 °C	28 °C	29 °C	27 °C	28 °C	29 °C	29 °C
Min Temperature	24 °C	24 °C	25 °C	24 °C	24 °C	24 °C	23 °C
winds	Moderate- very strong Winds: SSW 7 -14 m/s	Moderate- very strong Winds: : SSW 8 -15 m/s	Moderate- very strong Winds: : SSW 8 -15 m/s	Moderate- strong Winds: : SSW 7 -13 m/s	Moderate- strong Winds: : SSW 6 -13 m/s	Moderate- strong Winds: : SSW 6 -12 m/s	Moderate- strong Winds: : SSW 5 -12 m/s

5. KALOLENI SUB COUNTY: Mariakani, Kayafungo, Kaloleni, Mwana Mwinga Wards








	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday
Rainfall amounts Weekly total:	 6-10 mm	 5-10 mm	 0- 5 mm	 1- 5 mm	 1- 5 mm	 0- 5 mm	 Sunny

15-40mm	Moderate showers&thunderstorms/sunny intervals	Moderate showers&thunderstorms/sunny intervals	Light showers/sunny intervals	Light showers/sunny intervals	Light showers/sunny intervals	Light showers chance/sunny intervals	Intervals
Rainfall Distribution	 Few places	 Several Places	 Few places	 Several Places	 Few places	 Few places	
Max Temperature	27 °C	28 °C	30 °C	27 °C	28°C	29 °C	29 °C
Min Temperature	22 °C	23 °C	23 °C	22 °C	23 °C	24 °C	23 °C
winds	Moderate-very strong Winds: SSW 7 –14 m/s	Moderate-very strong Winds: : SSW 8 –14 m/s	Moderate- very strong Winds: : SSW 8 –14 m/s	Moderate- strong Winds: : SSW 7 –13 m/s	Moderate- strong Winds: : SSW 6 –13 m/s	Moderate- strong Winds: : SSW 6 –13 m/s	Moderate- strong Winds: : SSW 5 –12 m/s

6. RABAI SUB COUNTY: Rabai, Kambe/Ribe, Ruruma, Mwawesa Wards

	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday
Rainfall amounts Weekly total: 20-35mm	 10-15mm Moderate showers&thunderstorms/sunny intervals	 5-7 mm Moderate showers&thunderstorms/sunny intervals	 Sunny Intervals	 2-5 Light showers/sunny intervals	 2-5 Light showers/sunny intervals	 2-5 Light showers/sunny intervals	 2-5 Light showers/sunny intervals
Rainfall Distribution	 Few places	 Several Places	 Few places	 Several Places	 Few places	 Few places	
Max Temperature	27 °C	28 °C	29 °C	27 °C	27 °C	27 °C	27 °C
Min Temperature	22 °C	23 °C	23 °C	23 °C	23 °C	23 °C	23 °C
winds	Moderate-very strong Winds: SSW 7 –14 m/s	Moderate-very strong Winds: : SSW 8 –15 m/s	Moderate- very strong Winds: : SSW 8 –15 m/s	Moderate- strong Winds: : SSW 7 –13 m/s	Moderate- strong Winds: : SSW 6 –13 m/s	Moderate- strong Winds: : SSW 6 –13 m/s	Moderate- strong Winds: : SSW 5 –12 m/s

7. GANZE SUB COUNTY: Sokoke, Ganze, Jaribuni, Bamba Wards

8.	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday
Rainfall amounts Weekly total: 5-15mm	 0-7 mm Light - moderate showers/sunny	 2-7mm Light - moderate showers/sunny	 Sunny Intervals	 Sunny Intervals	 0-5 mm Light - moderate showers/sunny inter	 Sunny Intervals	 Sunny Intervals




	intervals	intervals					
Rainfall Distribution	 Few places	 Several Places			 Few places		
Max Temperature	27 °C	29 °C	30 °C	28 °C	29 °C	29 °C	29 °C
Min Temperature	22°C	22°C	23 °C	23 °C	22°C	22°C	23 °C
winds	Moderate-very strong Winds: SSW 7 –14 m/s	Moderate-very strong Winds: : SSW 8 –15 m/s	Moderate- very strong Winds: : SSW 8 –16 m/s	Moderate- strong Winds: : SSW 7 –13 m/s	Moderate- strong Winds: : SSW 6 –13 m/s	Moderate- strong Winds: : SSW 6 –12 m/s	Moderate- strong Winds: : SSW 5 –12 m/s

Table II: KEY INDICATORS FOR RAINFALL

Category	Amount	Rainfall Distribution	
Category	Rainfall Amount.		
Light	Less than 5.0mm	<u>Term</u>	<u>Meaning</u>
Moderate	5 to 20 mm	Most Places	Between 66% and 100%
Heavy	20 to 50 mm	Several Places	Between 33% and 66%
Very Heavy	Over 50mm	Few Places	Between 0 and 33%

PART III: 7day Marine weather forec improve then ast.

Ocean conditions are expected to further deteriorate from Tuesday to Friday then improve the rest of the week.

- Moderate to very strong winds are expected from Tuesday to Friday with wind speeds ranging from 8-14m/s
- Moderate to strong winds expected from Saturday to Monday with wind speeds ranging from 6-12m/s.
- Users of small vessels are advised to avoid venturing from Tuesday to Friday
- Users of small vessels are advised to venture with caution from Saturday to Monday.

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

	Wednesday	Thursday	Friday	Saturday	Sunday	Monday
Max. wind In m/s	8-14	8-14	6-13	6-11	6-11	6-11

Table 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!!! Warning in place and marine activities on hold	
4.1 – 5.5 m (≈ 12.3 – 16.5 ft)	Very Rough		
(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