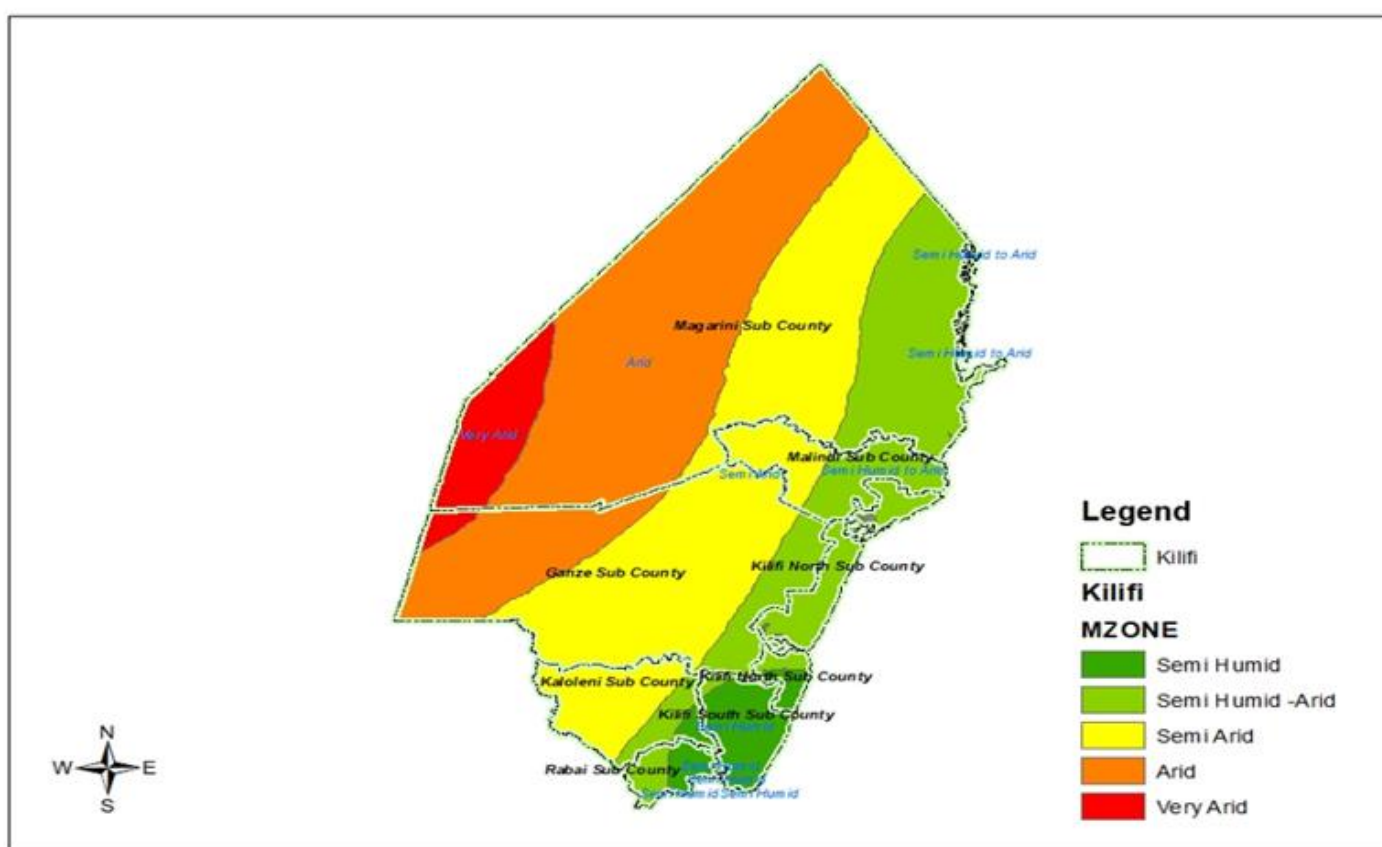


# Weather& Marine Forecast for Kilifi County



Republic of Kenya  
Ministry of Environment, Climate Change and Forestry  
Kenya Meteorological Department  
County Director Meteorological Services, Kilifi County  
Email: [gleshamta@gmail.com](mailto: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 13<sup>th</sup> to 19<sup>th</sup> May, 2025**

### **PART I: Weekly weather forecast summary**













- The County is expected to experience wet weather activities over several places on Tuesday and/or 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.
- The heavy rains are likely to spread to a few places in Magarini subcounty, neighbouring Malindi subcounty.
- Maximum/Daytime temperatures are expected to decrease, ranging from 28– 30 °C in areas within the coastline and 28-31 °C in the hinterlands.
- The Minimum/Night temperatures are expected to decrease ranging from 23-24 °C in areas within the coastline and 22-25°C in the hinterlands.
- Moderate to very strong inland Winds (7-14m/s) are expected on Friday then reduce to Moderate to strong (5-12m/s) the rest of the week with mainly South south westerlies.
- There's need for caution due to very strong inland winds on Friday.
- Ocean conditions are expected to be mainly rough from Thursday 15<sup>th</sup> –Saturday 17<sup>th</sup> May 2025.
- Users of small vessels are advised to avoid venturing the ocean from Thursday to Saturday and venture with caution the rest of the forecast period.

### **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.
- 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: 7-40mm	 4-20mm Light to Moderate showers&thunderstorms/sunny intervals	 2-7 mm Light to Moderate showers&thunderstorms/sunny intervals	 Sunny Intervals	 0- 5 mm Light showers chance /sunny intervals	 Sunny Intervals	 Sunny Intervals	 Sunny Intervals
Rainfall Distribution	 Several Places	 Few places		 Few places		 Few places	 Few places
Max Temperature	28 °C	29 °C	29 °C	29 °C	30 °C	31 °C	31 °C
Min Temperature	23 °C	23 °C	24 °C	24 °C	24 °C	24 °C	24 °C
winds	Moderate-strong Winds: SSW 6 –12.5 m/s	Moderate-strong Winds: : SSW 6 –13 m/s	Moderate-strong Winds: : SSW 6 –13 m/s	Moderate-strong Winds: : SSW 6 –13.5 m/s	Moderate-strong Winds: : SSW 6 – 12.5m/s	Moderate-strong Winds: : SSW 6 –12.5 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: 15-50mm	 10-25 mm Moderate - Heavy showers&thunderstorms/sunny intervals	 3-10 mm Light to Moderate showers/sunny intervals	 0- 5 mm Light showers chance /sunny intervals	 0- 5mm Light showers/sunny intervals	 0- 2 mm Light showers chance /sunny intervals	 Sunny Intervals	 Sunny Intervals
Rainfall Distribution	 Several Places	 Several Places	 Few places	 Few places	 Few places	 Few places	
Max Temperature	28 °C	28 °C	28 °C	28 °C	29 °C	30 °C	30 °C
Min Temperature	24C	24 °C	25 °C	25 °C	25 °C	25 °C	25 °C
winds	Moderate-strong Winds: SSW 6 –12.5 m/s	Moderate-strong Winds: : SSW 7 –13 m/s	Moderate-strong Winds: : SSW 6 –12,5 m/s	Moderate-strong Winds: : SSW 7 –13 m/s	Moderate-strong Winds: : SSW 7 – 12.5m/s	Moderate-strong Winds: : SSW 6 –12.5 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: 10-40mm	 5-10 mm Moderate showers&thun derstorms/sun ny intervals	 7-10 mm Moderate showers&thun derstorms/sun ny intervals	 0- 5 mm Light showers /sunny intervals	 0- 5 mm Light showers /sunny intervals	 0- 2 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	28 °C	28 °C	29 °C	30 °C	30 °C
Min Temperature	23 °C	23 °C	24 °C	23°C	23 °C	23 °C	23 °C
winds	Moderate- strong Winds: SSW 6 –12 m/s	Moderate- strong Winds: : SSW 7 –13 m/s	Moderate- strong Winds: : SSW 7 –13,5 m/s	Moderate- very strong Winds: : SSW 7 –14 m/s	Moderate- strong Winds: : SSW 6 – 12.5m/s	Moderate- strong Winds: : SSW 6 –12 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: 10-35mm	 7-15 mm Moderate showers&thun derstorms/sun ny intervals	 2-7 mm Light to Moderate showers /sunny intervals	 0- 5 mm Light showers /sunny intervals	 0- 5 mm Light showers /sunny intervals	 Sunny Intervals	 Sunny Intervals	 Sunny Intervals
Rainfall Distribution	 Several Places	 Several Places	 Few places	 Few places			
Max Temperature	27 °C	28 °C	28 °C	28 °C	28 °C	29 °C	30 °C
Min Temperature	24 °C	24 °C	25 °C	25 °C	25 °C	25 °C	25 °C
winds	Moderate- strong Winds: SSW 6 –12 m/s	Moderate- strong Winds: : SSW 7 –13 m/s	Moderate- strong Winds: : SSW 7 –13,5 m/s	Moderate- very strong Winds: : SSW 7 –14 m/s	Moderate- strong Winds: : SSW 7 – 12.5m/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: 5-20mm	 1-7 mm Light-Moderate showers /sunny intervals	 3-7 mm Light-Moderate showers /sunny intervals	 0- 5 mm Light showers /sunny intervals	 0- 5 mm Light showers /sunny intervals	 0- 2 mm Light showers chance /sunny intervals	 Sunny Intervals	 Sunny Intervals
Rainfall Distribution	 Few places	 Few places	 Few places	 Few places	 Few places	 Few places	
Max Temperature	28 °C	28 °C	28 °C	28 °C	29°C	30°C	30 °C
Min Temperature	22 °C	23 °C	23 °C	22 °C	23 °C	24 °C	23 °C
winds	Moderate- breezy Winds: SSW 6 –10 m/s	Moderate- strong Winds: : SSW 6 –12 m/s	Moderate- strong Winds: : SSW 7 –12.5 m/s	Moderate- strong Winds: : SSW 6 –12.5 m/s	Moderate- strong Winds: : SSW 6 – 11m/s	Moderate- strong Winds: : SSW 6 –11 m/s	Moderate- breezy Winds: SSW 6 –10 m/s

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

	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday
Rainfall amounts  Weekly total: 10-25mm	 3-6mm Light - Moderate /sunny intervals	 7-10 mm Moderate showers&thund erstorms/sunny intervals	 0-5 Light showers /sunny intervals	 1-5 Light showers /sunny intervals	 0-2 Light showers chance /sunny intervals	 Sunny Intervals	 Sunny Intervals
Rainfall Distribution	 Few places	 Several Places	 Few places	 Few places	 Few places	 Few places	
Max Temperature	28 °C	28 °C	29 °C	29 °C	29 °C	30 °C	30 °C
Min Temperature	23 °C	22 °C	23 °C	23 °C	23 °C	23 °C	23 °C
winds	Moderate- strong Winds: SSW 6 –11m/s	Moderate- strong Winds: : SSW 6 –12 m/s	Moderate- strong Winds: : SSW 6 –12 m/s	Moderate- strong Winds: : SSW 6 –12 m/s	Moderate- strong Winds: : SSW 6 – 12.5m/s	Moderate- strong Winds: : SSW 5 –12 m/s	Moderate- strong Winds: : SSW 5 –11 m/s

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

8.	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday
Rainfall amounts Weekly total: 3-15mm	 3-10 mm Light - moderate showers /sunny intervals	 0-5mm Light showers /sunny intervals	 0-2mm Light showers /sunny intervals	 0-2mm Light showers /sunny intervals	 Sunny Intervals	 Sunny Intervals	 Sunny Intervals
Rainfall Distribution	 Few places	 Few places	 Few places	 Few places			
Max Temperature	28 °C	29 °C	30 °C	30 °C	30 °C	31 °C	31 °C
Min Temperature	22°C	22°C	23 °C	23 °C	22°C	22°C	23 °C
winds	Moderate- strong Winds: SSW 6 –11m/s	Moderate- strong Winds: SSW 6 –12 m/s	Moderate- strong Winds: : SSW 6 –13 m/s	Moderate- very strong Winds: : SSW 6 –14 m/s	Moderate- strong Winds: SSW 6 – 12.5m/s	Moderate- strong Winds: SSW 5 –12 m/s	Moderate- strong Winds: SSW 5 –12 m/s

**Table II: KEY INDICATORS FOR RAINFALL**

Category	Amount		
Category	Rainfall Amount.	<b><u>Rainfall Distribution</u></b>	
Light	Less than 5.0mm	<b><u>Term</u></b>	<b><u>Meaning</u></b>
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 mprove then ast.

Ocean conditions are expected to slightly improve in the beginning of the week then deteriorate from Thursday to Saturday.

- Moderate to very strong winds are expected from Thursday to Saturday with wind speeds ranging from 8-14m/s
- Moderate to strong winds expected from Tuesday to Wednesday and Sunday to Monday with wind speeds ranging from 6-11m/s.
- Users of small vessels are advised to avoid venturing from Thursday to Saturday
- Users of small vessels are advised to venture with caution the rest of the forecast period.

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

	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday
<b>Max. wind In m/s</b>	6-11	6-11	8-14	8-14	8-14	6-11	6-11

**Table IV: Key on Ocean State**

<b>(A)</b>	<b>WAVE HEIGHT RANGE (Metres)</b>		<b>DESCRIPTION</b>	<b>IMPACT</b>
	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>(B)</b>	<b>WIND RANGE</b>	<b>DESCRIPTION</b>		<b>IMPACT</b>
	< 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**