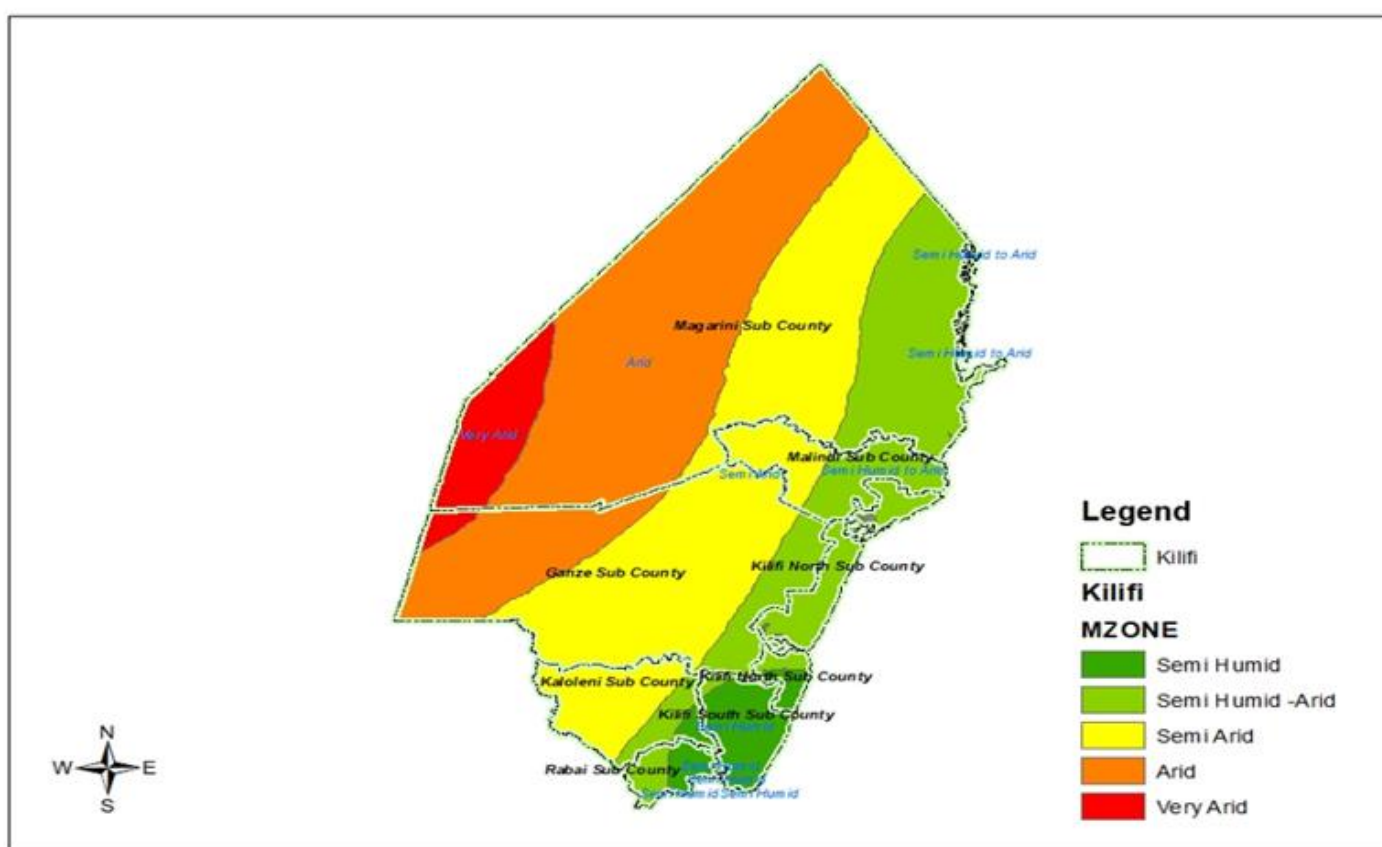


# Weather& Marine Forecast for Kilifi County



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 3<sup>rd</sup> to 9<sup>th</sup> June, 2025**

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















- The County is expected to receive good amounts of rainfall on especially Wednesday, Thursday and Saturday ‘
- The rest of the week is expected to be dominated by sunny intervals with occasional showers in a few places.
- Moderate to heavy rains exceeding 20mm are expected on Thursday 5<sup>th</sup> June, 2025 in several places as indicated in table 1.
- However, Ganze subcounty and a few parts of magarini hinterlands are expected to receive mainly light to moderate showers on Thursday.
- Maximum/Daytime temperatures are expected to significantly decrease, ranging from 25– 28 °C in areas within the coastline and 26-31 °C in the hinterlands.
- The Minimum/Night temperatures are expected to remain unchanged ranging from 22-24 °C in areas within the coastline and 22-23°C in the hinterlands.
- Moderate to strong winds (6-13.5m/s) expected from Tuesday to Friday, then increase to moderate to very strong (7-14m/s) on Saturday, Sunday and Monday with mainly Southerlies.
- There’s need for caution from the night before Sunday to Monday this week due to strong inland winds.
- Rough Ocean conditions are expected from Sunday to Monday 8<sup>th</sup> and 9<sup>th</sup> June, 2025, while the rest of this week is expected to maintain moderate to rough conditions.
- Users of small vessels are advised to avoid venturing the ocean on 8<sup>th</sup> and 9<sup>th</sup> June 2025 due to high waves ranging from 2.0-3.0m.
- Users of small vessels are advised to venture with caution from 3<sup>rd</sup> to 7<sup>th</sup> this week, due to moderate to strong winds(8-13m/s) and moderate to high waves (1.5-2.5).

### **PART II: Meteorological advice to farmers concerning June to August KUSI season**















- The JJA season is expected to be characterized by near average rainfall in areas within the coastline.
- June is expected to mark the cessation of MAM rains and the beginning of JJA -KUSI rains.
- Near average amounts of rainfall ranging from light to moderate expected in the month of June with likelihood of a few heavy rains episodes.
- The areas within the coastline and parts of semi-arid lands of the hinterlands are expected to receive near average rainfall ranging from 201-300mm.
- Temperatures in JJA are expected to be higher than the climatological average, although maintain lower than the rest of the year records.
- The month of June marks the beginning of KUSI –Strong Asiatic summer monsoons.
- General public and ocean users are advised to be cautious of chilly conditions and strong winds occasionally influenced by the monsoons.

**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	 0- 5mm Light /sunny intervals	 2- 10 mm Light - moderate showers /sunny intervals	 7- 35 mm Moderate- Heavy showers /sunny intervals	 0- 5mm Light /sunny intervals	 0- 6 mm Light - moderate showers /sunny intervals	 0- 5 mm Light showers /sunny intervals	 0- 5 mm Light showers /sunny intervals
Rainfall Distribution	 Few places	 Several Places	 Several Places	 Few places	 Few places	 Few places	 Few places
Max Temperature	31°C	30°C	29°C	31°C	30°C	30°C	30°C
Min Temperature	23°C	23 °C	23 °C	23°C	23°C	23°C	23°C
winds	Moderate- strong Winds: : SSW 6 –12 m/s	Moderate- strong Winds: : SSW 6 –13 m/s	Moderate- strong Winds: SSW 6 –12.5 m/s	Moderate- strong Winds: : SSW 6 –13 m/s	Moderate- very strong Winds: : SSW 6 –14 m/s	Moderate- very strong Winds: : SSW 7 –14 m/s	Moderate- very strong Winds: : SSW 7 –14 m/s















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

	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday
Rainfall amounts	 0- 5mm Light /sunny intervals	 2- 7 mm Light - moderate showers /sunny intervals	 7- 20 mm moderate showers /sunny intervals	 0- 5mm Light /sunny intervals	 5- 10 mm Light - moderate showers /sunny intervals	 0- 5 mm Light showers /sunny intervals	 0- 5 mm Light showers /sunny intervals
Rainfall Distribution	 Few places	 Several Places	 Several Places	 Few places	 Several Places	 Few places	 Few places
Max Temperature	27°C	28°C	27°C	27°C	27°C	27°C	27°C
Min Temperature	25°C	24 °C	24 °C	24 °C	24 °C	24 °C	24 °C
winds	Moderate- strong Winds: : SSW 6 –12 m/s	Moderate- strong Winds: : SSW 6 –13 m/s	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- very strong Winds: : SSW 6 –14 m/s	Moderate- very strong Winds: : SSW 6 –14 m/s















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

	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday
Rainfall amounts	 0- 5mm Light /sunny intervals	 2- 10 mm Light - moderate showers /sunny intervals	 10- 20 mm moderate showers /sunny intervals	 0- 5mm Light /sunny intervals	 5- 10 mm Light - moderate showers /sunny intervals	 0- 5 mm Light showers /sunny intervals	 0- 5 mm Light showers /sunny intervals
Rainfall Distribution	 Few places	 Several Places	 Several Places	 Few places	 Several Places	 Few places	 Few places
Max Temperature	28°C	28°C	26°C	27°C	27°C	27°C	27°C
Min Temperature	22 °C	23 °C	23 °C	23 °C	22 °C	22 °C	22 °C
winds	Moderate- strong Winds: : SSW 6 –12 m/s	Moderate- strong Winds: : SSW 6 –13 m/s	Moderate- strong Winds: SSW 6 –12.5 m/s	Moderate- strong Winds: : SSW 6 –13 m/s	Moderate- strong Winds: : SSE 6 –13 m/s	Moderate- strong Winds: : SSE 6 –13 m/s	Moderate- strong Winds: : SSE 6 –13 m/s















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

	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday
Rainfall amounts	 0- 5mm Light /sunny intervals	 2- 10 mm Light - moderate showers /sunny intervals	 10- 25 mm Moderate- Heavy showers /sunny intervals	 0- 5mm Light /sunny intervals	 4- 7 mm Light - moderate showers /sunny intervals	 0- 5 mm Light showers /sunny intervals	 0- 5 mm Light showers /sunny intervals
Rainfall Distribution	 Few places	 Several Places	 Several Places	 Few places	 Several Places	 Few places	 Few places
Max Temperature	28°C	27°C	25°C	28°C	27°C	27°C	27°C
Min Temperature	23 °C	24 °C	24 °C	23 °C	24 °C	23 °C	23 °C
winds	Moderate- strong Winds: : SSW 6 –12 m/s	Moderate- strong Winds: : SSW 6 –13 m/s	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 –14 m/s	Moderate- strong Winds: : SSW 6 –14 m/s















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

	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday
Rainfall amounts	 0- 5mm Light /sunny intervals	 2- 6 mm Light - moderate showers /sunny intervals	 10- 20 mm moderate showers /sunny intervals	 0- 5mm Light /sunny intervals	 3- 6 mm Light - moderate showers /sunny intervals	 0- 5 mm Light showers /sunny intervals	 0- 5 mm Light showers /sunny intervals
Rainfall Distribution	 Few places	 Several Places	 Several Places	 Few places	 Several Places	 Few places	 Few places
Max Temperature	28°C	27°C	25°C	27°C	26°C	27°C	28°C
Min Temperature	22°C	22°C	22°C	22°C	22°C	22°C	22°C
winds	Moderate- strong Winds: : SSW 6 –12 m/s	Moderate- strong Winds: : SSW 6 –13 m/s	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 –14 m/s	Moderate- strong Winds: : SSW 6 –14 m/s

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

	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday
Rainfall amounts	 0- 5mm Light /sunny intervals	 2- 10 mm Light - moderate showers /sunny intervals	 10- 25 mm Moderate- Heavy showers /sunny intervals	 1- 5mm Light /sunny intervals	 4- 7 mm Light - moderate showers /sunny intervals	 2- 5 mm Light showers /sunny intervals	 0- 5 mm Light showers /sunny intervals
Rainfall Distribution	 Few places	 Several Places	 Several Places	 Few places	 Several Places	 Few places	 Few places
Max Temperature	28°C	28°C	25°C	27°C	27°C	27°C	28°C
Min Temperature	22 °C	22 °C	22 °C	22 °C	22 °C	22 °C	22 °C
winds	Moderate- strong Winds: : SSW 6 –12 m/s	Moderate- strong Winds: : SSW 6 –13 m/s	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 m/s	Moderate- strong Winds: : SSW 6 –13 m/s

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

8.	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday
Rainfall amounts	 0- 5mm Light /sunny intervals	 0- 5mm Light /sunny intervals	 4- 15 mm Light -moderate showers /sunny intervals	 0- 5mm Light /sunny intervals	 2- 5mm Light /sunny intervals	 0- 5 mm Light showers /sunny intervals	 0- 5 mm Light showers /sunny intervals
Rainfall Distribution	 Few places	 Several Places	 Several Places	 Few places	 Several Places	 Few places	 Few places
Max Temperature	29 °C	28°C	26 °C	29 °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- strong Winds: : SSW 6 –12 m/s	Moderate- strong Winds: : SSW 6 –13 m/s	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 –14 m/s	Moderate- strong Winds: : SSW 6 –14 m/s

**Table II: KEY INDICATORS FOR RAINFALL**

Category	Amount		
Category	Rainfall Amount.	<u>Rainfall Distribution</u>	
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

Rough Ocean conditions are expected from Sunday to Monday 8<sup>th</sup> and 9<sup>th</sup> June, 2025 while the rest of this week is expected to maintains moderate to rough conditions.

- moderate to strong winds are expected from Tuesday to Saturday, with wind speeds ranging from 8-13m/s.
- Moderate to high waves expected from Tuesday to Saturday with wave heights ranging from 1.5-2.5m.
- High waves >2-3m expected on 8<sup>th</sup> and 9<sup>th</sup> June 2025.

➤ Users of small vessels are advised to avoid venturing the ocean on 8<sup>th</sup> and 9<sup>th</sup> June 2025 due to high waves ranging from 2.0-3.0m.

➤ Users of small vessels are advised to venture with caution the rest of the week due to moderate to strong winds and moderate to high waves.

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

	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday
<b>Max. wind</b> In m/s	8-11	10-12	10-13	8-12	8-12		
<b>Wave height</b> in m	1.5-2.5	1.8-2.5	1.8-2.5	1.8-2.5	1.8-2.5	2.0-3.0	2.0-3.0

**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	
	3.0 – 4.0 m (≈ 9.0 – 12.0 ft)		Rough	Caution on operating marine activities
	4.1 – 5.5 m (≈ 12.3 – 16.5 ft)		Very Rough	Warning in place!!! 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**