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STATE DEPARTMENT FOR ENVIRONMENT AND CLIMATE CHANGE  
KENYA METEOROLOGICAL DEPARTMENT

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Our Ref: MET/7/328

Date: 15<sup>th</sup> September 2025

## WEEKLY WEATHER FORECAST FOR 16<sup>TH</sup> TO 22<sup>ND</sup> SEPTEMBER 2025 & REVIEW FOR 8<sup>TH</sup> TO 14<sup>TH</sup> SEPTEMBER 2025

### SUMMARY

#### Weather Forecast for 16<sup>th</sup> to 22<sup>nd</sup> September 2025

- Most parts of the country are likely to be sunny and dry. However, rainfall is expected in some parts of the Highlands East and West of the Rift Valley, the Lake Victoria Basin, the Rift Valley and the Coast.

#### Weather Review for 8<sup>th</sup> to 14<sup>th</sup> September 2025

- Rainfall was recorded in a few parts of the country mainly in the Highlands West of the Rift Valley, the Lake Victoria Basin and the Central Rift Valley.
- Day-time (maximum) temperatures increased throughout the country though Suba, Kisii, Kakamega and Lamu recorded marginal cooling.
- Night-time (minimum) temperatures increased over much of the country with only a few stations such as Nyahururu, Suba and Eldoret recording slight cooling.

### 1 FORECAST FOR 16<sup>TH</sup> TO 22<sup>ND</sup> SEPTEMBER 2025

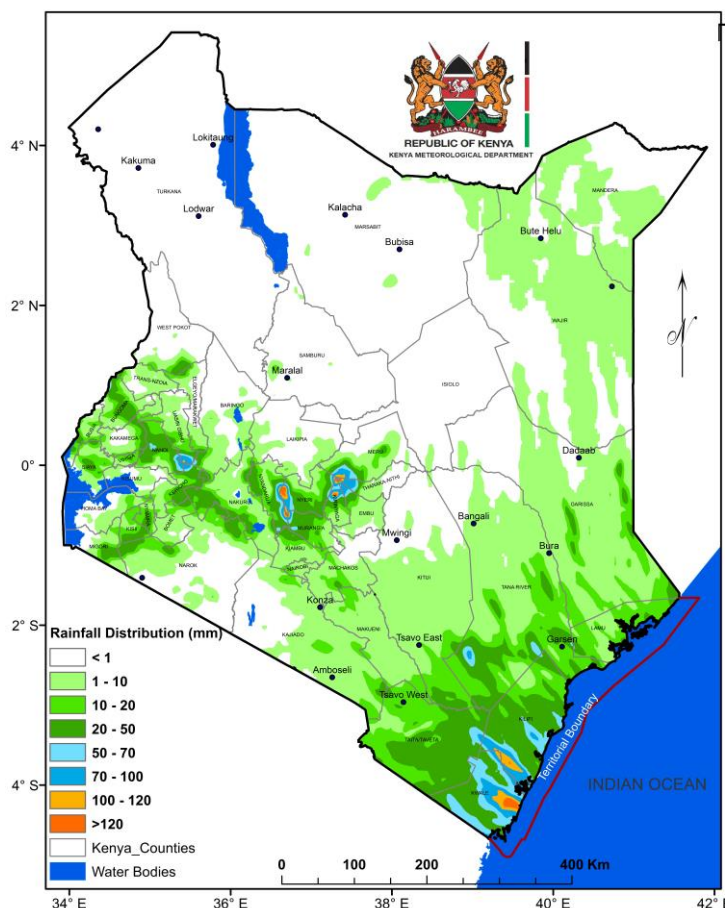


Figure 1: Forecasted Seven-Day Total Rainfall for 16<sup>th</sup> to 22<sup>nd</sup> September 2025

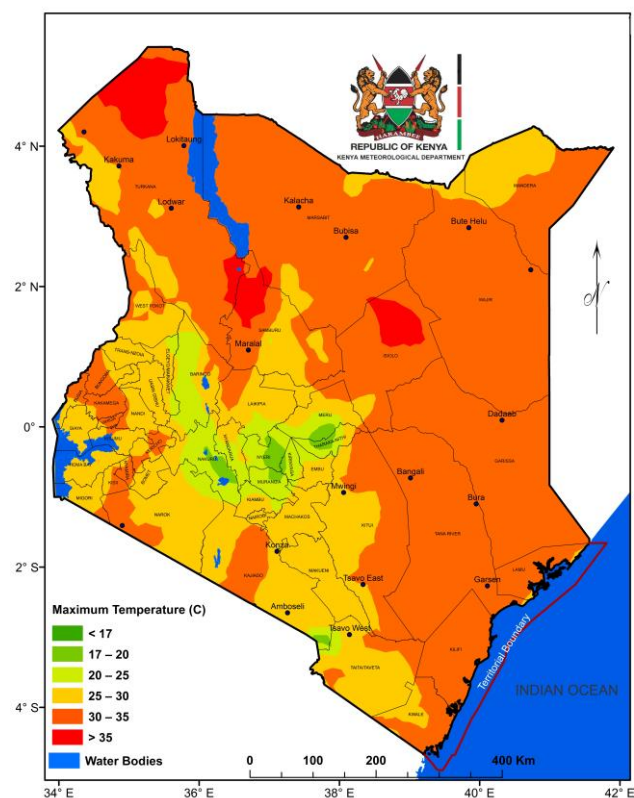
Most parts of the country are likely to be sunny and dry. However, rainfall is expected in some parts of the Highlands East and West of the Rift Valley, the Lake Victoria Basin, the Rift Valley and the Coast, as shown in **Figure 1**.

Daytime (maximum) average temperatures of more than 30°C are expected in the Coast, North-eastern and North-western Kenya, as depicted in **Figure 2**.

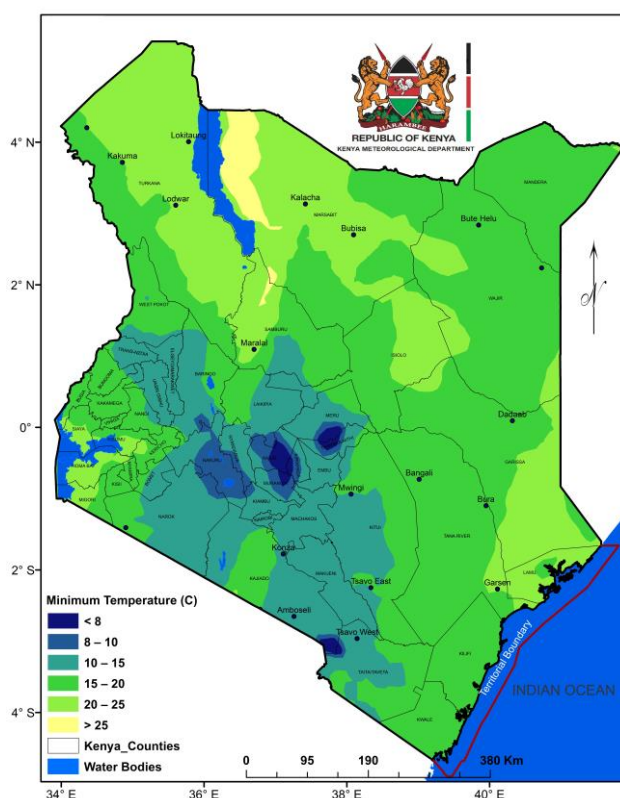
Night-time (minimum) average temperatures are expected to be less than 10°C in some parts of the Highlands East of the Rift Valley, the Central Rift Valley and in the vicinity of Mt. Kilimanjaro, as illustrated in **Figure 3**.

Strong southerly to south-easterly winds with speeds exceeding 25 knots (12.86 m/s) are expected over the Coast (and Kenya's territorial waters), the South-

eastern lowlands, North-eastern and North-western Kenya.



**Figure 2: Forecasted Average Maximum Temperatures for 16<sup>th</sup> to 22<sup>nd</sup> September 2025**



**Figure 3: Forecasted Average Minimum Temperatures for 16<sup>th</sup> to 22<sup>nd</sup> September 2025**

## 1.1 DETAILED REGIONAL RAINFALL FORECAST FOR 16<sup>TH</sup> TO 22<sup>ND</sup> SEPTEMBER 2025

1.1.1 The Highlands West of the Rift Valley, the Lake Victoria Basin and the Rift Valley (*Nandi, Kakamega, Vihiga, Bungoma, Siaya, Busia, Baringo, Nakuru, Trans-Nzoia, Uasin-Gishu, Elgeyo-Marakwet, West-Pokot, Kisii, Nyamira, Kericho, Bomet, Kisumu, Homabay, Migori and Narok Counties*):

Sunny intervals are expected in the mornings though occasional rains may occur over few places. Afternoon showers and thunderstorms are expected over few places, occasionally spreading to several places. Nights are expected to be partly cloudy though showers may occur over few places.

1.1.2 North-western Kenya (*Turkana and Samburu Counties*):

Sunny intervals are expected during the day while nights are likely to be partly cloudy.

However, morning rains as well as afternoon and night showers and thunderstorms may occur over few places.

1.1.3 The Highlands East of the Rift Valley (*Nyandarua, Laikipia, Nyeri, Kirinyaga, Murang'a, Kiambu, Meru, Embu, Tharaka-Nithi and Nairobi Counties*):

Mornings are likely to be cloudy giving way to sunny intervals. Afternoon showers are likely to occur over few places. Nights are expected to be partly cloudy though showers may occur over few places.

#### 1.1.4 North-eastern Kenya (*Marsabit, Mandera, Wajir, Garissa and Isiolo Counties*):

Sunny intervals are expected during the day while nights are likely to be partly cloudy.

However, there is a possibility of morning rains occurring over few places.

#### 1.1.5 The South-eastern lowlands (*Machakos, Kitui, Makueni, Kajiado and Taita-Taveta Counties as well as the inland parts of Tana-River County*):

Sunny intervals are expected during the day while nights are likely to be partly cloudy.

However, there is a possibility of afternoon and night showers occurring over few places.

#### 1.1.6 The Coast (*Mombasa, Kilifi, Lamu and Kwale Counties as well as the coastal parts of Tana-River County*):

Sunny intervals are expected during the day while nights are likely to be partly cloudy during the first half of the forecast period.

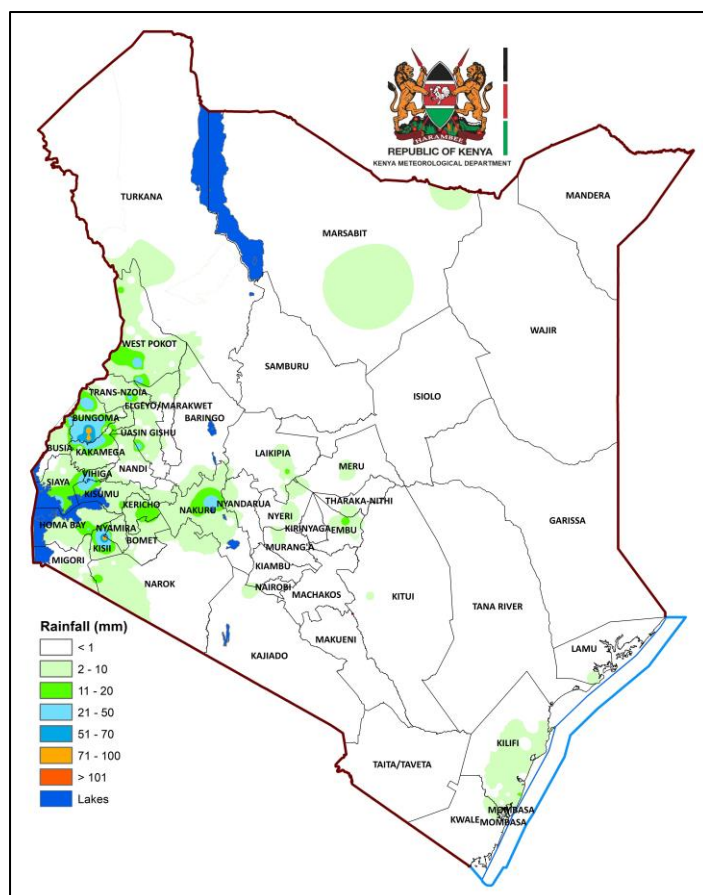
Morning, afternoon and night showers are likely to occur over few places during the second half of the forecast period, occasionally spreading to several places.

### 1.2 DETAILED TEMPERATURE FORECAST FOR 16<sup>TH</sup> TO 22<sup>ND</sup> SEPTEMBER 2025

Expected maximum and minimum temperatures for selected towns and cities are shown in **Table 1**.

TABLE 1: FORECASTED MAXIMUM AND MINIMUM TEMPERATURES FOR SELECTED CITIES AND TOWNS								
CITY/TOWN	MAX (°C)	MIN (°C)	CITY/TOWN	MAX (°C)	MIN (°C)	CITY/TOWN	MAX (°C)	MIN (°C)
LODWAR	36.0	26.0	KISUMU	30.0	17.0	THIKA	30.0	11.0
MARSABIT	27.0	15.0	SUBA	29.0	19.0	MACHAKOS	29.0	11.0
MOYALE	30.0	17.0	NAKURU	27.0	11.0	MAKINDU	32.0	14.0
GARISSA	35.0	23.0	NAROK	29.0	10.0	KITUI	31.0	13.0
WAJIR	37.0	22.0	LAIKIPIA	28.0	09.0	VOI	32.0	18.0
MANDERA	39.0	25.0	NYAHURURU	23.0	06.0	LAMU	31.0	23.0
KITALE	26.0	11.0	KANGEMA	26.0	12.0	MALINDI	29.0	23.0
KAKAMEGA	29.0	14.0	NYERI	28.0	09.0	MSABAHA	30.0	20.0
ELDORET	24.0	10.0	EMBU	28.0	10.0	MTWAPA	29.0	21.0
KERICHO	25.0	11.0	MERU	26.0	11.0	MOMBASA	30.0	21.0
KISII	28.0	14.0	NAIROBI	29.0	09.0			

## 2.1 Rainfall Review



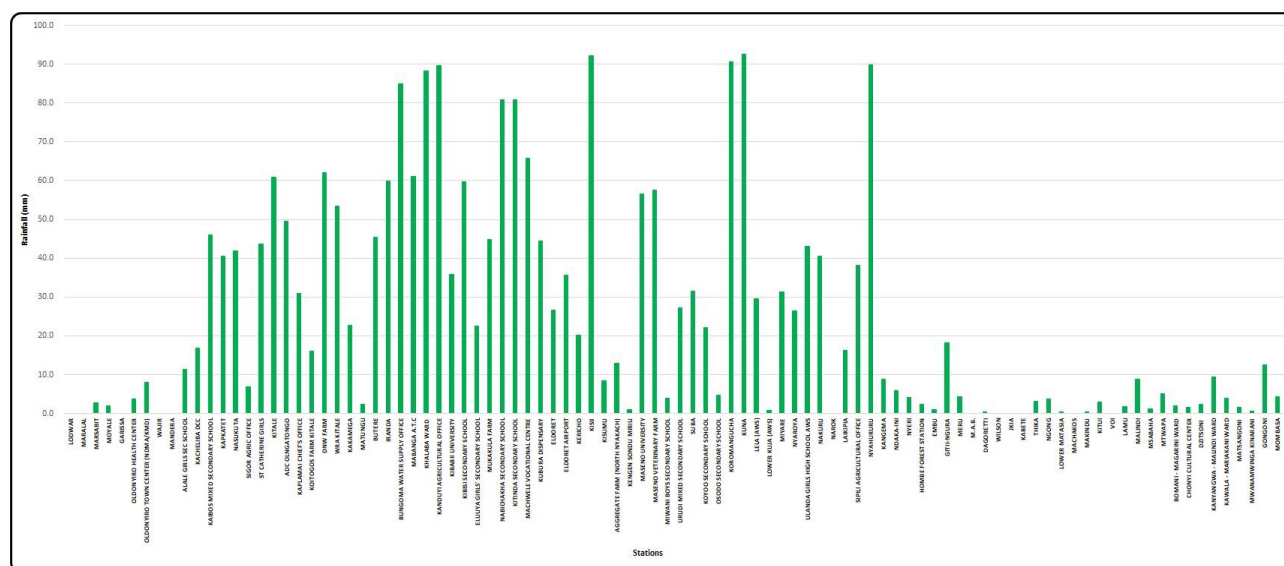
**Figure 4: Observed Seven-Day Total Rainfall for 8<sup>th</sup> to 14<sup>th</sup> September 2025**

Rainfall was recorded in a few parts of the country mainly in the Highlands West of the Rift Valley, the Lake Victoria Basin and the Central Rift Valley, as shown in **Figures 4 and 5**.

Comparing the 1<sup>st</sup> to 7<sup>th</sup> September 2025 and the 8<sup>th</sup> to 14<sup>th</sup> September 2025 periods, it is noted that there was an increase in rainfall amounts over some parts of the North Rift Valley and the Lake Victoria Basin.

The highest seven-day rainfall total (92.2mm) was recorded in Kisii Meteorological Station.

Khalaba Rainfall Station in Bungoma County recorded the highest amount of rainfall within 24-hours: 67.3mm on 8<sup>th</sup> September 2025.

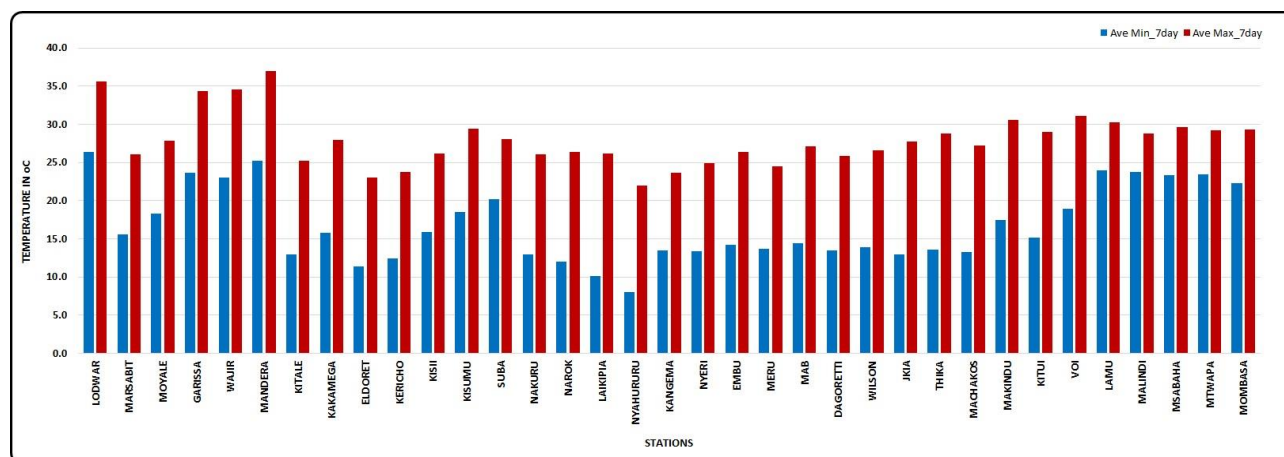


**Figure 5: Observed Seven-Day Total Rainfall (per Station) for 8<sup>th</sup> to 14<sup>th</sup> September 2025**

## 2.2 Temperature Review

Comparing the 1<sup>st</sup> to 7<sup>th</sup> September 2025 and the 8<sup>th</sup> to 14<sup>th</sup> September 2025 periods, it is noted that day-time (maximum) temperatures increased throughout the country though Suba, Kisii, Kakamega and Lamu recorded marginal cooling. Night-time (minimum) temperatures increased over a much of the country with only a few stations such as Nyahururu, Suba and Eldoret recording slight cooling.

Mandera Meteorological Station recorded the highest daily maximum temperature: 38.6°C on 8<sup>th</sup> September 2025 while Nyahururu Meteorological Station recorded the lowest daily minimum temperature: 6.1°C on the same day. The same stations recorded the highest seven-day average maximum temperature and the lowest seven-day average minimum temperature: 37.0°C and 8.1°C respectively (see **Figure 6**).



**Figure 6: Seven-Day Average Maximum and Minimum Temperatures for 8<sup>th</sup> to 14<sup>th</sup> September 2025**

***N.B: This forecast should be used in conjunction with the daily (24-hour) and five-day forecasts issued by this Department. County specific forecasts are available from the offices of respective County Directors of Meteorological Services.***

**Edward M. Muriuki**  
**Ag. DIRECTOR, KENYA METEOROLOGICAL DEPARTMENT**

## APPENDIX I: INTERPRETATION OF TERMS USED

<b>Term</b>	<b>Rainfall Amount (24 hrs.)</b>	<b>Description</b>
Light	< 5 mm	Gentle rain, drizzle.
Moderate	5–20 mm	Steady, noticeable rain.
Heavy	21–50 mm	Intense rain, possible thunder.
Very Heavy	> 50 mm	Prolonged rain.

<b>Term</b>	<b>Area Affected</b>	<b>Description</b>
Few places	< 33%	Rain in a small portion of the region.
Several places	33% to 66%	Rain in multiple but not most parts of the region.
Most places	> 66%	Rain in nearly all parts of the region.

<b>Term</b>	<b>Area Affected</b>	<b>Description</b>
Isolated	Less than 25%	Very few areas affected.
Scattered	25–50%	Several, but not most, areas affected.
Numerous	51–70%	Many areas affected.
Widespread	Over 70%	Almost all areas affected.

<b>Term</b>	<b>Time Coverage (%)</b>	<b>Meaning</b>
Occasional	Less than 25%	Happens rarely or a few times.
Intermittent	25% – 50%	Starts and stops, comes and goes.
Frequent	51% – 75%	Occurs regularly.
Very Frequent / Common	More than 75%	Happens almost all the time.

<b>Term</b>	<b>Probability of Occurrence</b>	<b>Description</b>
Possible	10–30%	There is low confidence.
Chance of/ May	31–50%	There is moderate confidence.
Likely	51–75%	The event is more probable than not.
Expected	76–90%	There is high confidence.
Very Likely	91–99%	There is very high confidence. Almost certain.
Certain	100%	The event is guaranteed to occur.