



REPUBLIC OF KENYA

MINISTRY OF ENVIRONMENT, CLIMATE CHANGE & FORESTRY

KENYA METEOROLOGICAL DEPARTMENT

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Our Ref: MET/7/236

Issue date: 4 December 2023

SEVEN-DAY WEATHER FORECAST VALID FROM 5 TO 11 DECEMBER 2023

HIGHLIGHTS

Forecast for 5 to 11 December 2023

- Rainfall is expected to continue over the Highlands East and West of the Rift Valley, the Lake Victoria Basin, the Rift Valley, the South-eastern lowlands and the Coast. North-eastern and North-western Kenya are likely to be generally dry.
- Isolated storms and heavy rainfall are likely to occur over some parts of the Highlands East and West of the Rift Valley, the Lake Victoria Basin and the South-eastern lowlands.

Weather Review for 27 November to 3 December 2023

- Rainfall was recorded in several parts of the country. Isolated storms occurred in Taita Taveta and Kilifi Counties.
- Day-time (maximum) temperatures increased throughout the country.
- Night-time (minimum) temperatures decreased over most stations but a few like Nyahururu, Garissa and Wajir recorded increases.

1 FORECAST FOR 5 TO 11 DECEMBER 2023

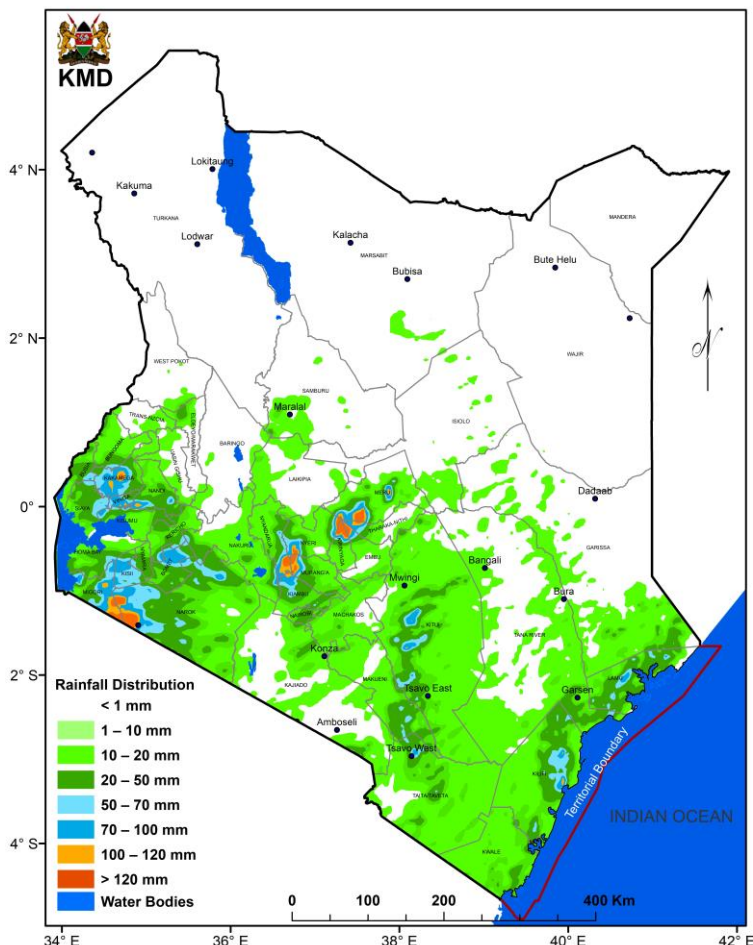
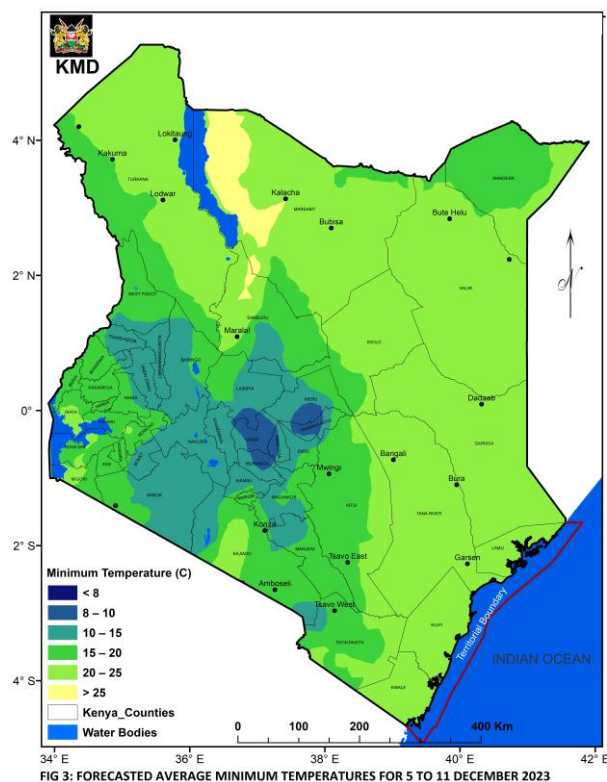
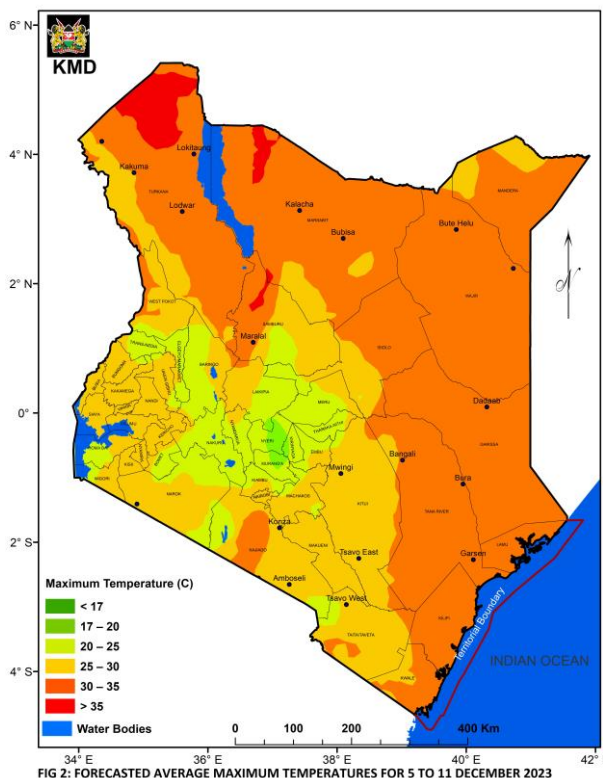


FIG 1: FORECASTED SEVEN-DAY TOTAL RAINFALL FOR 5 TO 11 DECEMBER 2023

Rainfall is expected to continue over the Highlands East and West of the Rift Valley, the Lake Victoria Basin, the Rift Valley, the South-eastern lowlands and the Coast as depicted by **Figure 1**. North-eastern and North-western Kenya are likely to be generally dry.

Isolated storms and heavy rainfall are likely to occur over some parts of the Highlands East and West of the Rift Valley, the Lake Victoria Basin and the South-eastern lowlands.

High average daytime (maximum) temperatures of more than 30°C will be experienced over much of the Coast, North-eastern and North-western Kenya as depicted by **Figure 2**. Some parts of the Highlands East of the Rift Valley will experience low average night-time (minimum) temperatures of less than 10°C as depicted by **Figure 3**.



1.1 DETAILED REGIONAL RAINFALL FORECAST FOR 5 TO 11 DECEMBER 2023

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

Morning rains are expected over few places. Afternoon showers and thunderstorms are likely to occur over several places. Night showers are expected over few places.

Heavy rainfall is expected in some parts of Kakamega, Vihiga, Migori, Homa Bay, Kisii and Narok Counties.

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

Days are likely to be sunny and nights partly cloudy.

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

Occasional morning rains are expected over few places. Afternoon and night showers are likely to occur over few places occasionally spreading to several places.

Some parts of Murang'a, Nyeri, Kiambu, Tharaka Nithi, Embu and Meru Counties may receive heavy rainfall.

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

Days are likely to be sunny and nights partly cloudy. However, occasional afternoon showers may occur over the southern part of Garissa County during the first half of the forecast period.

1.1.5 The South-eastern lowlands (*Machakos, Kitui, Makueni, Kajiado and Taita-Taveta Counties*):

Occasional morning rains are expected over few places. Afternoon and night showers are likely to occur over few places occasionally spreading to several places.

Heavy rainfall is expected in some parts of Makueni, Kitui and Taita Taveta Counties.

1.1.6 The Coast (*Mombasa, Tana-River, Kilifi, Lamu and Kwale Counties*):

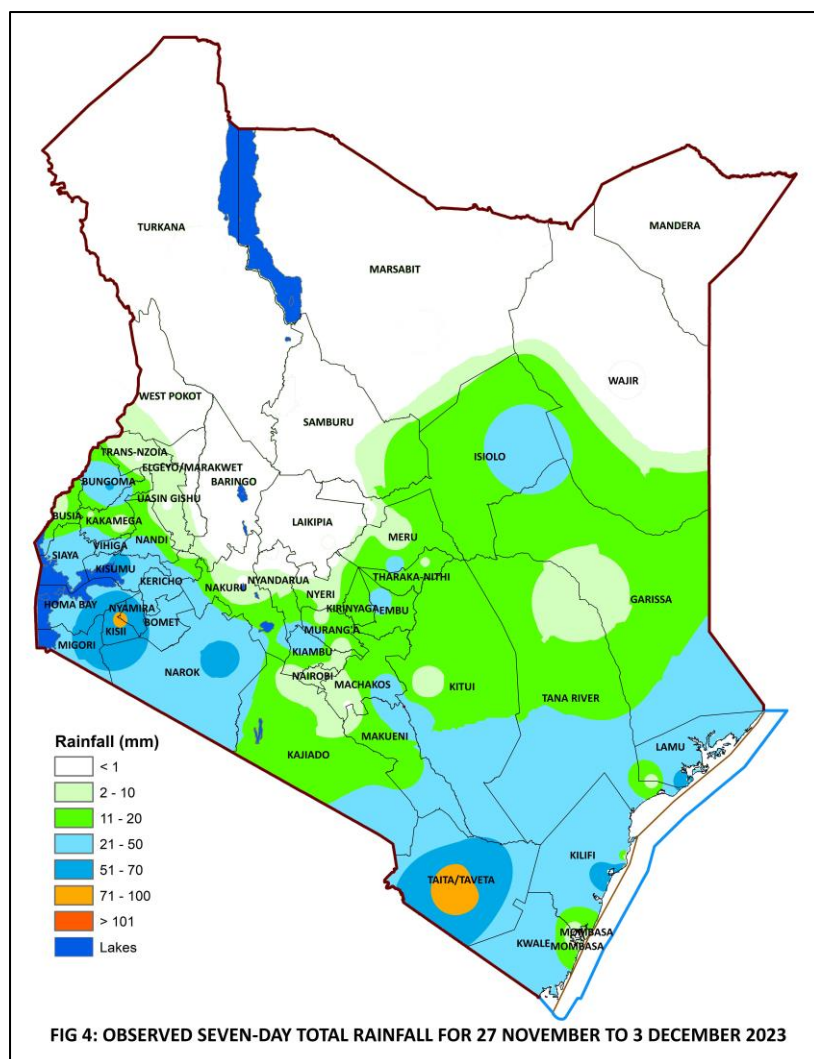
Morning, afternoon and night showers are expected over few places. The afternoon showers may occasionally spread to several places.

1.2 DETAILED TEMPERATURE FORECAST FOR 5 TO 11 DECEMBER 2023

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	MIN	CITY/TOWN	MAX	MIN	CITY/TOWN	MAX	MIN
LODWAR	37.0	22.0	SUBA	29.0	19.0	THIKA	27.0	15.0
MARSABIT	25.0	18.0	NAKURU	26.0	12.0	NGONG	25.0	14.0
MOYALE	29.0	17.0	KABARAK	25.0	10.0	MAKINDU	30.0	18.0
GARISSA	33.0	24.0	NAROK	26.0	12.0	KITUI	29.0	17.0
MANDERA	33.0	22.0	NYAHURURU	23.0	07.0	VOI	32.0	20.0
KITALE	28.0	12.0	KANGEMA	26.0	13.0	LAMU	34.0	23.0
KAKAMEGA	30.0	15.0	NYERI	27.0	12.0	MALINDI	33.0	24.0
ELDORET	24.0	10.0	EMBU	26.0	12.0	MSABAHA	34.0	24.0
KERICHO	26.0	11.0	MERU	26.0	12.0	MTWAPA	34.0	24.0
KISII	28.0	15.0	LAIKIPIA	25.0	10.0			
KISUMU	29.0	18.0	NAIROBI	27.0	16.0			

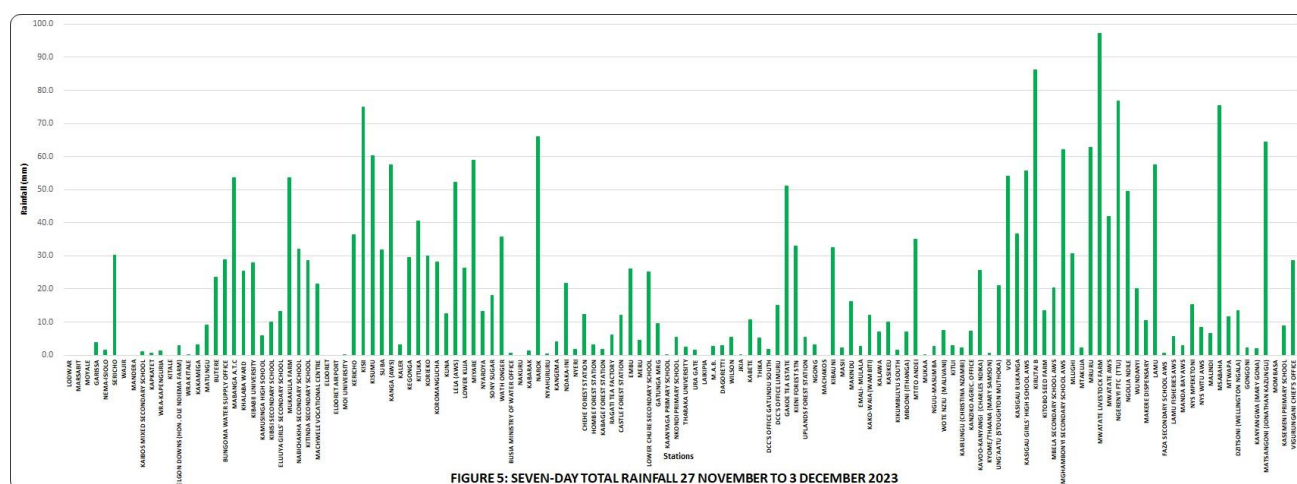
1.3.1 Rainfall Review



Rainfall was recorded in several parts of the country as shown in **Figures 4 & 5.**

Isolated storms occurred in Taita Taveta and Kilifi Counties.

Comparing the 20 - 26 November 2023 and the 27 November - 3 December 2023 periods, it is noted that there was a general reduction in rainfall amounts over most parts of the country.



The highest seven-day rainfall total (97.3mm) was recorded at the rainfall station at Mwatate Livestock Farm in Taita Taveta County. Other stations that had particularly high rainfall totals during the review period are shown in **Table 2**.

TABLE 2: STATIONS WITH SIGNIFICANT SEVEN-DAY RAINFALL TOTALS		
STATION	COUNTY	SEVEN-DAY TOTAL RAINFALL (mm)
NGERENYI FTC RAINFALL STATION	TAITA TAVETA	76.7
MSABAHA METEOROLOGICAL STATION	KILIFI	75.4
KISII METEOROLOGICAL STATION	KISII	75.0
NAROK METEOROLOGICAL STATION	NAROK	66.0
MATSANGONI RAINFALL STATION	KILIFI	64.4
MRURU RAINFALL STATION	TAITA TAVETA	62.7
MGHAMBONYI SEC. SCHOOL AUTOMATIC WEATHER STATION	TAITA TAVETA	62.2
KISUMU METEOROLOGICAL STATION	KISUMU	60.3
MIYARE RAINFALL STATION	MIGORI	59.0
LAMU METEOROLOGICAL STATION	LAMU	57.6

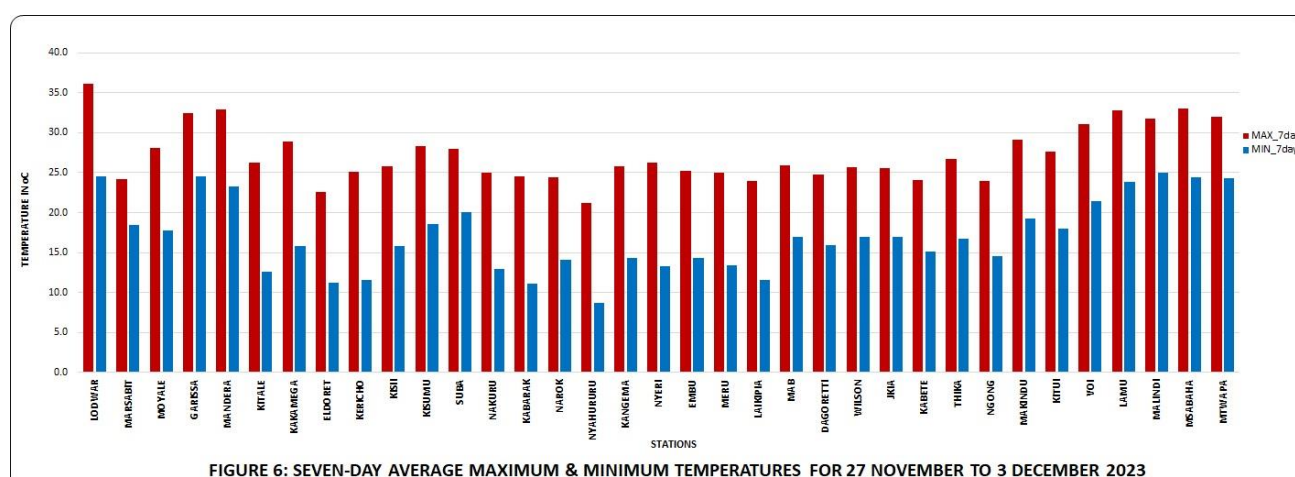
Ngerenyi FTC Rainfall Station in Taita Taveta County recorded the highest amount of rainfall within 24-hours: 76.7mm on 3 December 2023. Other stations that recorded very heavy rainfall (more than 50mm within 24 hours) are shown in **Table 3**.

TABLE 3: STATIONS THAT RECORDED VERY HEAVY RAINFALL			
STATION	COUNTY	AMOUNT (mm)	DATE
MWATATE LIVESTOCK FARM RAINFALL STATION	TAITA TAVETA	62.8	3 December 2023
KIRUTAI B RAINFALL STATION	TAITA TAVETA	53.8	2 December 2023
MSABAHA METEOROLOGICAL STATION	KILIFI	51.6	1 December 2023

1.3.2 Temperature Review

Comparing the 20 - 26 November 2023 and the 27 November - 3 December 2023 periods, it is noted that day-time (maximum) temperatures increased throughout the country. Night-time (minimum) temperatures decreased over most stations but a few like Nyahururu, Garissa and Wajir recorded increases.

Lodwar Meteorological Station recorded the highest daily maximum temperature: 37.3°C on 28 November 2023 while Nyahururu Meteorological Station recorded the lowest daily minimum temperature: 6.6°C on the same day. The same stations recorded the highest seven-day average maximum temperature and the lowest seven-day average minimum temperature: 36.2°C and 8.7°C respectively (see **Figure 6**).



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 Meteorology.

KEY

<i>24-hour rainfall categories</i>	
<i>Range</i>	<i>Category</i>
<5mm	Light
5-20mm	Moderate
20-50mm	Heavy
>50mm	Very heavy

OF SCIENTIFIC WORDS USED

<i>Rainfall coverage</i>	
<i>Term</i>	<i>Meaning</i>
Most places	Between 66% and 100%
Several places	Between 33% and 66%
Few places	Less than 33%



Benard Chanzu

For DIRECTOR OF METEOROLOGICAL SERVICES