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 MINISTRY OF ENVIRONMENT, CLIMATE CHANGE & FORESTRY
 KENYA METEOROLOGICAL DEPARTMENT

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SEVEN-DAY WEATHER FORECAST VALID 15 TO 21 OCTOBER 2024

HIGHLIGHTS

Forecast for 15 to 21 October 2024

- Rainfall is expected over the Highlands East and West of the Rift Valley, the Lake Victoria Basin, the Rift Valley and North-western Kenya. Isolated storms may occur over these areas.

Weather Review for 7 to 13 October 2024

- Rainfall was recorded in the Highlands West of the Rift Valley, the Lake Victoria Basin, the South-eastern lowlands and the Coast. The rest of the country was generally sunny and dry.
- Day-time (maximum) temperatures increased over a number of stations including Lodwar, Eldoret and Kabete and decreased over others such as Kakamega, Garissa and Kericho.
- Night-time (minimum) temperatures increased over some stations including Mtwapa, Kisii and Lamu and decreased over Nyahururu, Narok and Makindu among others.

1 FORECAST FOR 15 TO 21 OCTOBER 2024

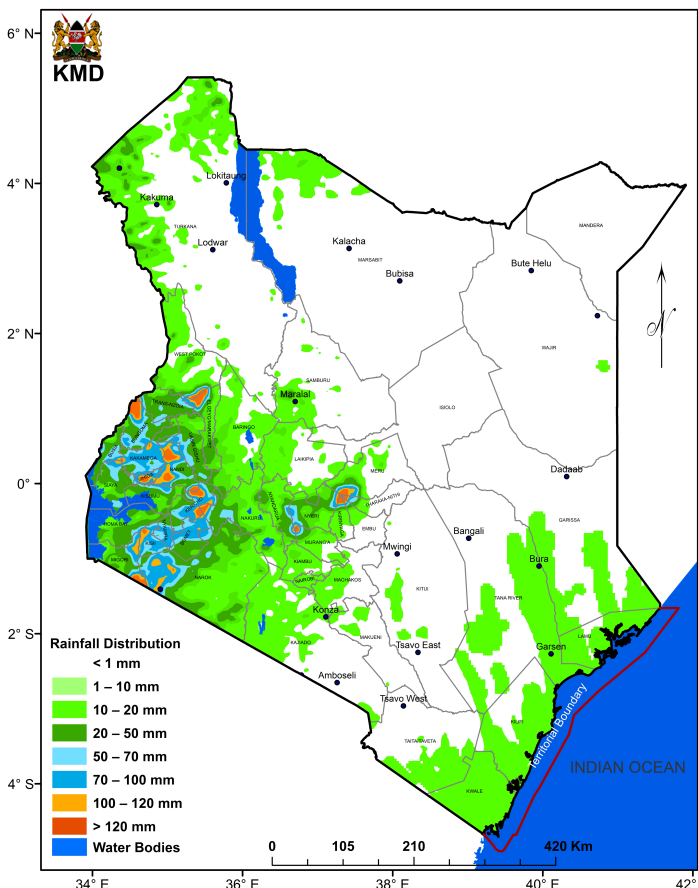
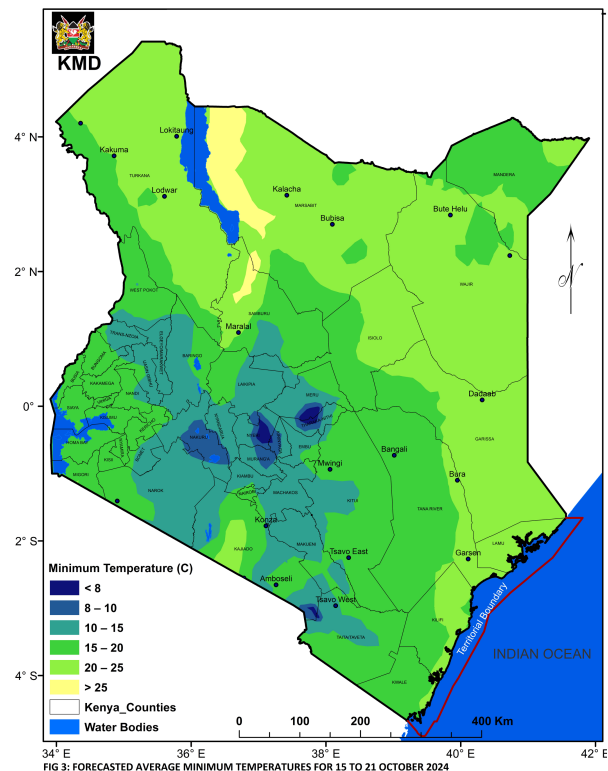
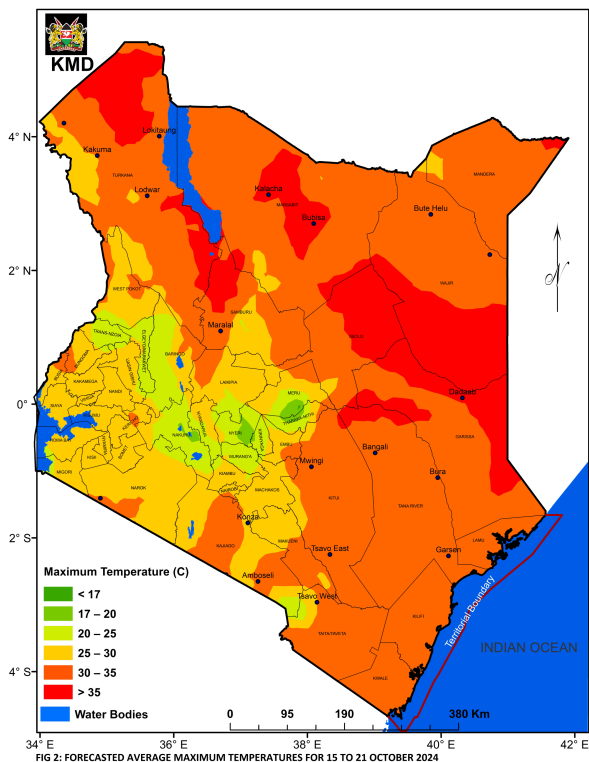


FIG 1: FORECASTED SEVEN-DAY TOTAL RAINFALL FOR 15 TO 21 OCTOBER 2024

Rainfall is expected over the Highlands East and West of the Rift Valley, the Lake Victoria Basin, the Rift Valley and North-western Kenya as shown in **Figure 1**. Isolated storms may occur over these areas.

High average daytime (maximum) temperatures of more than 30°C will be experienced in some parts of the Coast, the South-eastern lowlands, North-eastern and North-western Kenya as shown in **Figure 2**.

Average night-time (minimum) temperatures will be low (less than 10°C) over some parts of the Highlands East of the Rift Valley and the Central Rift Valley as shown in **Figure 3**.



1.1 DETAILED REGIONAL RAINFALL FORECAST FOR 15 TO 21 OCTOBER 2024

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 likely to occur over few places. Afternoon showers and thunderstorms are expected over several places. Night showers are likely to occur over few places occasionally spreading to several places.

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

Morning rains as well as afternoon and night showers and thunderstorms are expected over few places.

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*):

Intermittent cloudiness and light rains are expected over few places in the mornings giving way to sunny intervals. Afternoon showers are likely to occur over several places. Nights are likely to be partly cloudy though occasional 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, morning rains as well as afternoon and night showers may occur over a few areas in Marsabit County.

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*):

Morning rains as well as afternoon and night showers are likely to occur over few places in Machakos, Kitui, Makueni, Kajiado and Taita-Taveta Counties during the second half of the forecast period. Tana-River County is expected to be mainly sunny and dry.

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.

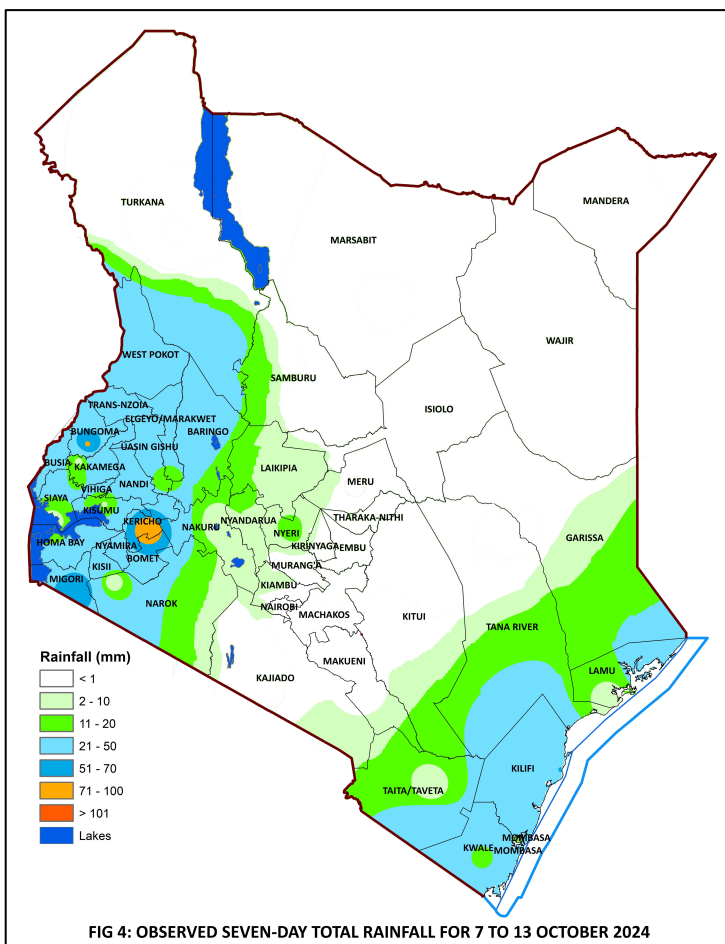
1.2 DETAILED TEMPERATURE FORECAST FOR 15 TO 21 OCTOBER 2024

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

CITY/TOWN	MAX (°C)	MIN (°C)	CITY/TOWN	MAX (°C)	MIN (°C)	CITY/TOWN	MAX (°C)	MIN (°C)
LODWAR	38.0	27.0	KISUMU	31.0	18.0	THIKA	30.0	14.0
MARSABIT	27.0	16.0	SUBA	31.0	20.0	NGONG	25.0	12.0
MOYALE	30.0	18.0	NAKURU	28.0	12.0	MACHAKOS	28.0	12.0
GARISSA	36.0	24.0	NAROK	27.0	10.0	MAKINDU	33.0	16.0
WAJIR	37.0	23.0	LAIKIPIA	28.0	10.0	KITUI	31.0	16.0
MANDERA	39.0	25.0	NYAHURURU	24.0	5.0	VOI	33.0	19.0
KITALE	28.0	12.0	KANGEMA	27.0	14.0	LAMU	33.0	25.0
KAKAMEGA	29.0	15.0	NYERI	27.0	14.0	MALINDI	31.0	23.0
ELDORET	25.0	09.0	EMBU	29.0	15.0	MSABAHA	31.0	22.0
KERICHO	26.0	10.0	MERU	27.0	14.0	MTWAPA	31.0	22.0
KISII	27.0	16.0	NAIROBI	28.0	13.0	MOMBASA	32.0	23.0

2 WEATHER REVIEW FOR 7 TO 13 OCTOBER 2024

2.1.1 Rainfall Review

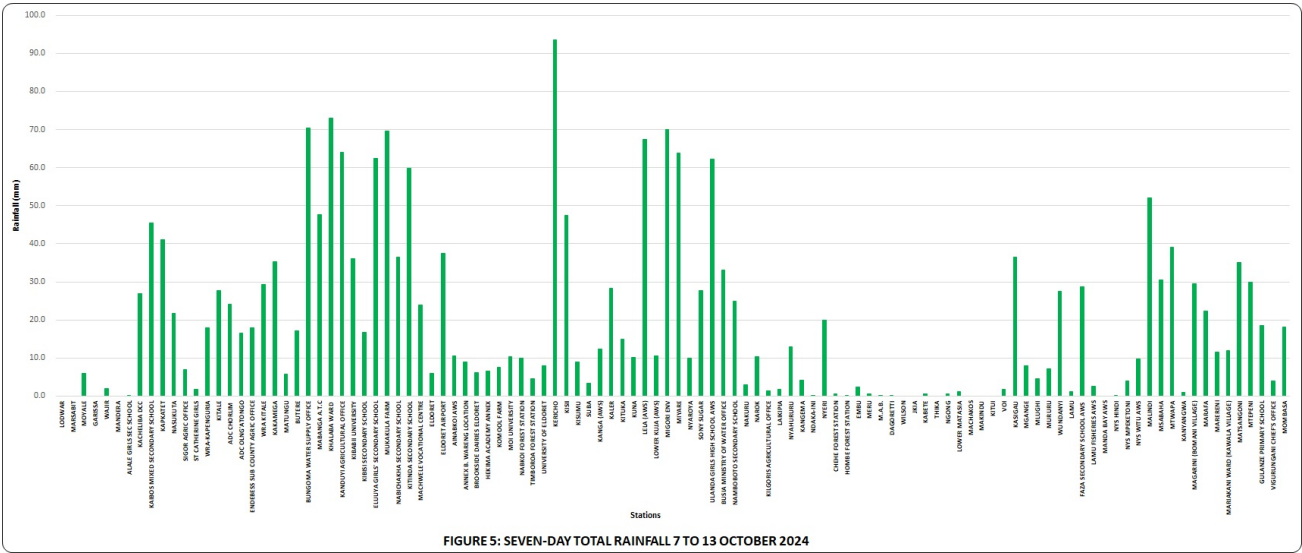


Rainfall was recorded in the Highlands West of the Rift Valley, the Lake Victoria Basin, the South-eastern lowlands and the Coast. The rest of the country was generally sunny and dry as shown in **Figures 4 & 5**.

Comparing the 30 September to 6 October 2024 and the 7 to 13 October 2024 periods, it is noted that there was an increase in rainfall amounts over the Highlands West of the Rift Valley.

The highest seven-day rainfall total (93.5mm) was recorded at Kericho Meteorological Station.

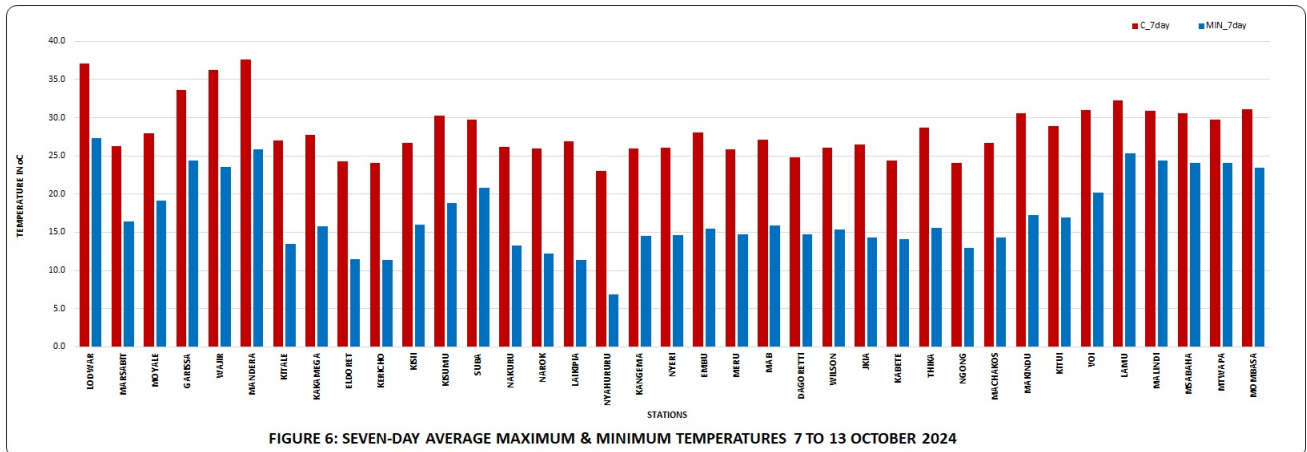
The same station recorded the highest amount of rainfall within 24-hours: 49.0mm on 9 October 2024.



2.2 Temperature Review

Comparing the 30 September to 6 October 2024 and the 7 to 13 October 2024 periods, it is noted that day-time (maximum) temperatures increased over a number of stations including Lodwar, Eldoret and Kabete and decreased over others such as Kakamega, Garissa and Kericho. Night-time (minimum) temperatures increased over some stations including Mtwapa, Kisii and Lamu and decreased over Nyahururu, Narok and Makindu among others.

Mandera Meteorological Station recorded the highest daily maximum temperature: 38.6°C on 12 October 2024 while Nyahururu Meteorological Station recorded the lowest daily minimum temperature: 5.1°C on the same day. The same stations recorded the highest seven-day average maximum temperature and the lowest seven-day average minimum temperature: 37.6°C and 6.9°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 Meteorological Services.

KEY OF SCIENTIFIC WORDS USED

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

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



Dr. David Gikungu
DIRECTOR OF METEOROLOGICAL SERVICES