



Our Ref: MET/7/199

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SEVEN-DAY WEATHER FORECAST VALID FROM 21 TO 27 MARCH 2023

HIGHLIGHTS

<p>Forecast for 21 to 27 March 2023</p> <ul style="list-style-type: none"> Rainfall is expected to continue over several parts of the country. Isolated storms are expected over some parts of the Highlands East and West of the Rift Valley, the Lake Victoria Basin, the South and Central Rift Valley, the South-eastern lowlands, North-western and North-eastern Kenya. 	<p>Weather Review for 13 to 19 March 2023</p> <ul style="list-style-type: none"> Several parts of the country continued to receive rainfall. Both day-time (maximum) temperatures and night-time (minimum) temperatures increased over some areas but decreased over others.
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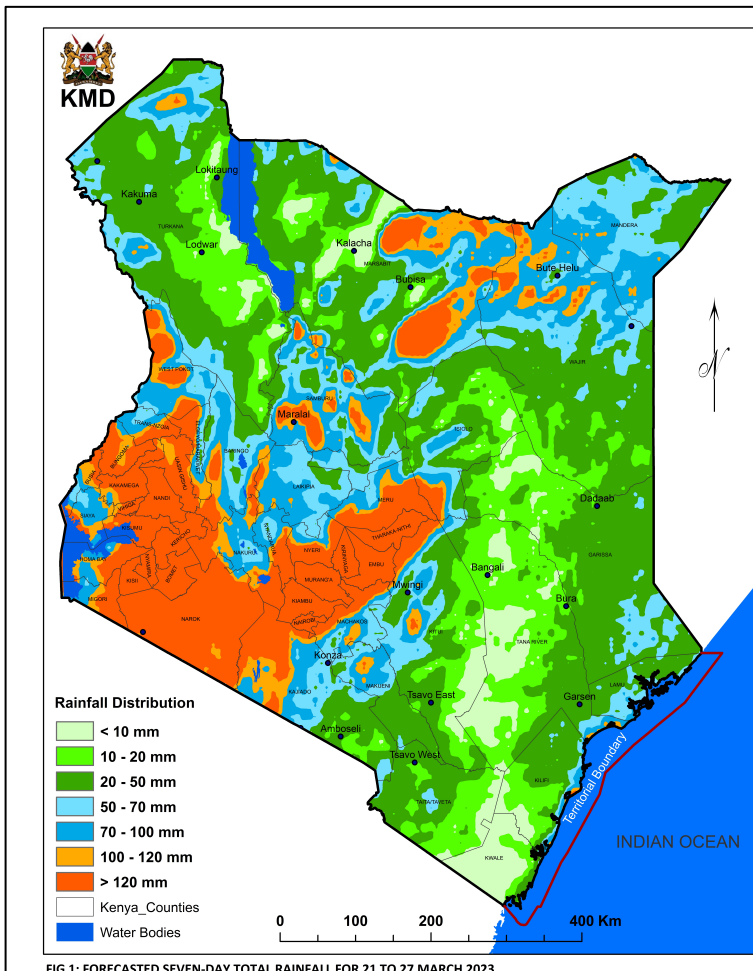
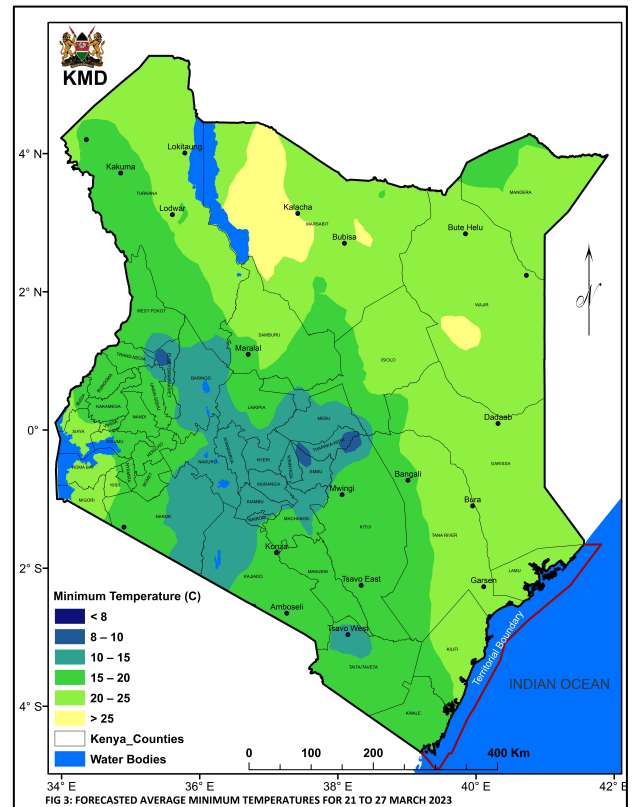
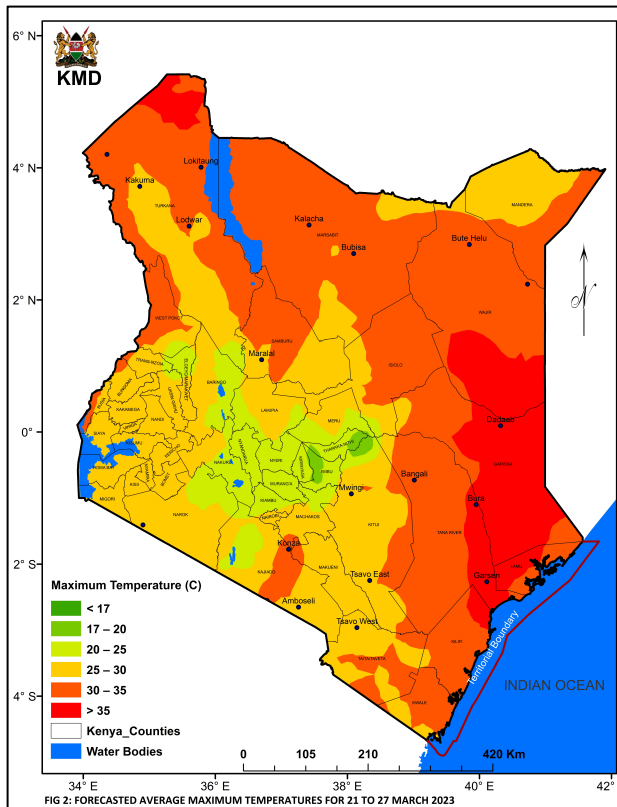


FIG 1: FORECASTED SEVEN-DAY TOTAL RAINFALL FOR 21 TO 27 MARCH 2023

1 FORECAST FOR 21 TO 27 MARCH 2023

Rainfall is expected to continue over several parts of the country as depicted by **Figure 1**. Isolated storms are expected over some parts of the Highlands East and West of the Rift Valley, the Lake Victoria Basin, the South and Central Rift Valley, the South-eastern lowlands, North-western and North-eastern Kenya.

Average daytime (maximum) temperatures are likely to be high (more than 30°C) over much of the Coast, North-western and North-eastern Kenya as depicted by **Figure 2**. Average night-time (minimum) temperatures are likely to be low (less than 10°C) over some parts of the Highlands East and West of the Rift Valley as depicted by **Figure 3**.



1.1 DETAILED REGIONAL FORECAST FOR 21 TO 27 MARCH 2023

1.1.1 The Highlands West of the Rift Valley, the Lake Victoria Basin, the Central and South 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 occasionally spreading to several places.

Maximum (day-time) temperatures are likely to be between 21°C and 31°C. Minimum (night-time) temperatures are expected to range from 09°C to 21°C.

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

Morning rains as well as afternoon and night showers and thunderstorms are likely to occur over few places.

Maximum (day-time) temperatures are likely to be between 25°C and 37°C. Minimum (night-time) temperatures are expected to range from 13°C to 28°C.

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):

Morning rains are expected over few places. Afternoon and night showers are expected over several places.

Maximum (day-time) temperatures are likely to be between 22°C and 31°C. Minimum (night-time) temperatures are expected to range from 08°C to 18°C.

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

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

Maximum (day-time) temperatures are likely to be between 23°C and 37°C. Minimum (night-time) temperatures are expected to range from 17°C to 28°C.

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

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

Maximum (day-time) temperatures are likely to be between 21°C and 35°C. Minimum (night-time) temperatures are expected to range from 12°C to 23°C.

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

Morning, afternoon and night showers are likely to occur over few places.

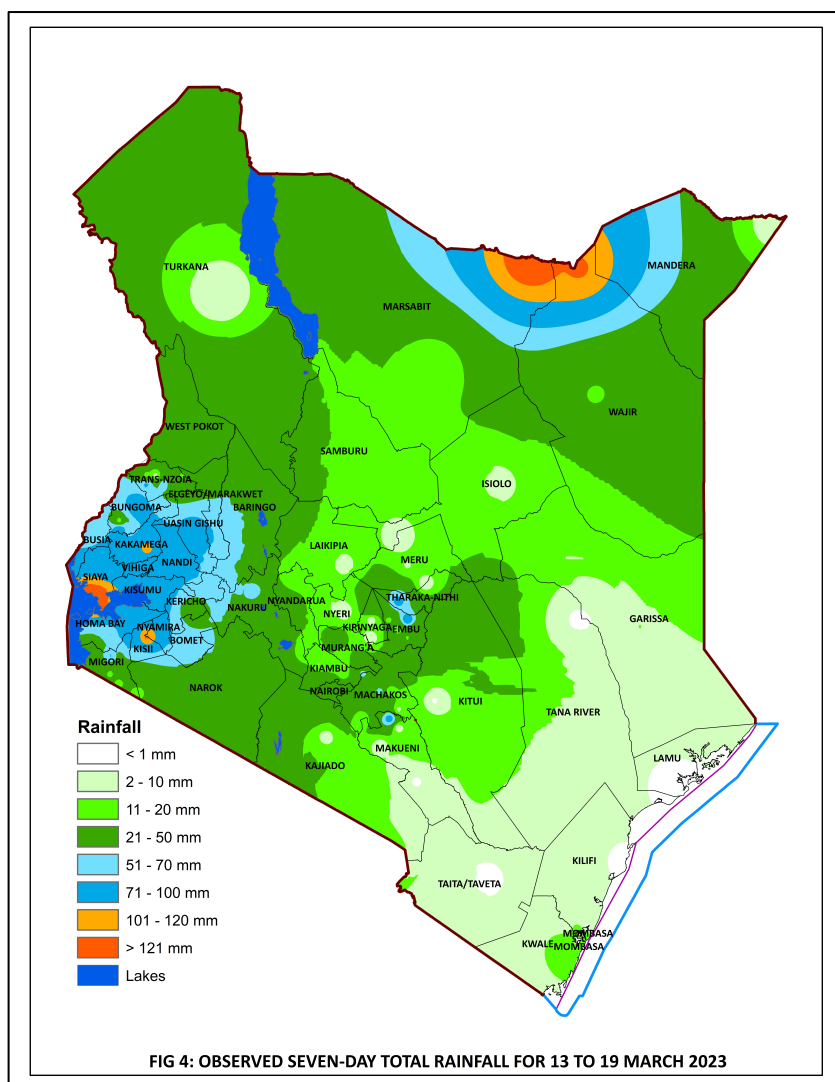
Maximum (day-time) temperatures are likely to be between 31°C and 34°C. Minimum (night-time) temperatures are expected to range from 23°C to 26°C.

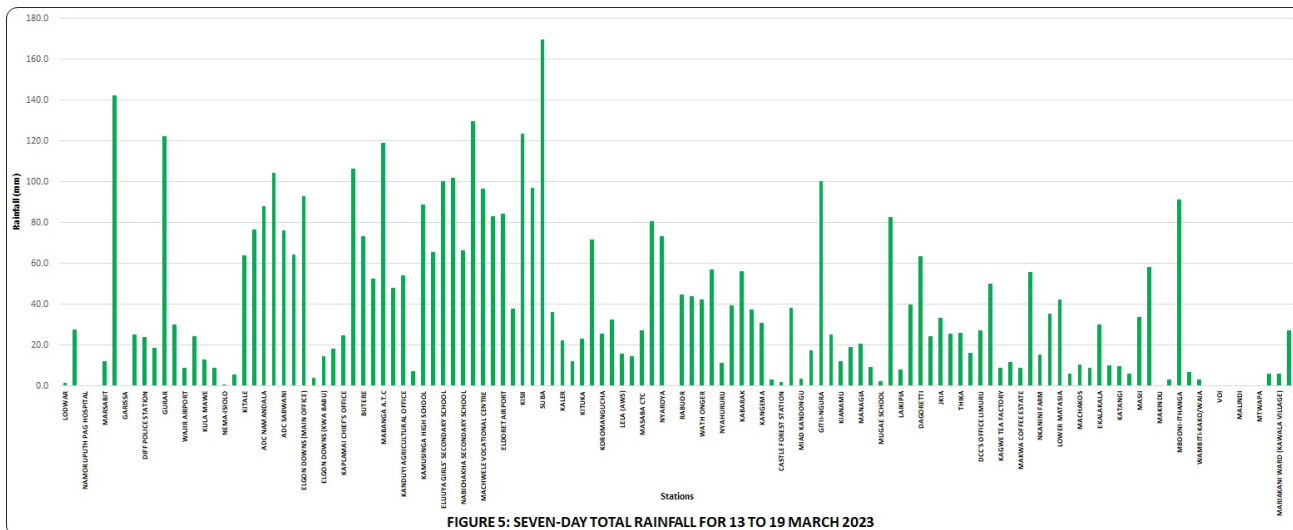
1.2 WEATHER REVIEW FOR 13 TO 19 MARCH 2023

1.2.1 Rainfall Review

Several parts of the country continued to receive rainfall as depicted by **Figures 4 & 5**.

Comparing the 6 to 12 March 2023 and the 13 to 19 March 2023 periods, it is noted that there was an increase in rainfall amounts over much of the country.





The highest seven-day rainfall total (169.6mm) was recorded at Suba Meteorological Station in Homa Bay County. Other stations that recorded significant rainfall totals during the review period are shown in **Table 1**.

STATION	COUNTY	SEVEN-DAY TOTAL RAINFALL (mm)
MOYALE METEOROLOGICAL STATION	MARSABIT	142.1
KITINDA SECONDARY RAINFALL STATION	BUNGOMA	129.6
KISII METEOROLOGICAL STATION	KISII	123.4
GURAR RAINFALL STATION	WAJIR	122.3
MABANGA A.T.C RAINFALL STATION	BUNGOMA	118.8
KAKAMEGA METEOROLOGICAL STATION	KAKAMEGA	106.4
ADC OLANGTONGO RAINFALL STATION	TRANS NZOIA	104.0
MUKAKULA FARM RAINFALL STATION	BUNGOMA	101.6
GITII-NGURA RAINFALL STATION	EMBU	100.1
ELUUYA GIRLS' SECONDARY SCHOOL RAINFALL STATION	BUNGOMA	99.9

Gitii-Ngura Rainfall Station in Embu County recorded the highest amount of rainfall within 24-hours: 90.3mm on 15 March 2023. Other stations that recorded very heavy rainfall (more than 50mm within 24 hours) are shown in **Table 2**.

STATION	COUNTY	AMOUNT (mm)	DATE
MBOONI-ITHANGA RAINFALL STATION	MAKUENI	89.0	15 March 2023
SUBA METEOROLOGICAL STATION	HOMA BAY	80.3	15 March 2023
ELDORET METEOROLOGICAL STATION	UASIN GISHU	60.8	15 March 2023
GURAR RAINFALL STATION	WAJIR	60.4	18 March 2023
MOYALE METEOROLOGICAL STATION	MARSABIT	59.0	14 March 2023
DAGORETTI METEOROLOGICAL STATION	NAIROBI	58.4	15 March 2023
NDITHINI RAINFALL STATION	MACHAKOS	57.9	15 March 2023
MUKAKULA FARM RAINFALL STATION	BUNGOMA	56.8	15 March 2023
ELDORET INTERNATIONAL AIRPORT METEOROLOGICAL STATION	UASIN GISHU	56.4	15 March 2023
MUKA MKUU KILIMAMBOGO RAINFALL STATION	KIAMBU	55.5	15 March 2023

1.2.2 Temperature Review

Comparing the 6 to 12 March 2023 and the 13 to 19 March 2023 periods, it is noted that day-time (maximum) temperatures decreased over most parts of the country with the exception of the South-eastern lowlands and the Coast. Night-time (minimum) temperatures increased over some stations including Nyahururu, Kabarak and Meru and decreased over Suba, Kisii and Lamu among others.

Mandera Meteorological Station recorded the highest daily maximum temperature: 38.6°C on 13 March 2023 while Nyahururu Meteorological Station recorded the lowest daily minimum temperature: 8.2°C on 13 March 2023. The same stations recorded the highest seven-day average maximum temperature and the lowest seven-day average minimum temperature: 36.1°C and 10.3°C respectively (see Figure 6).

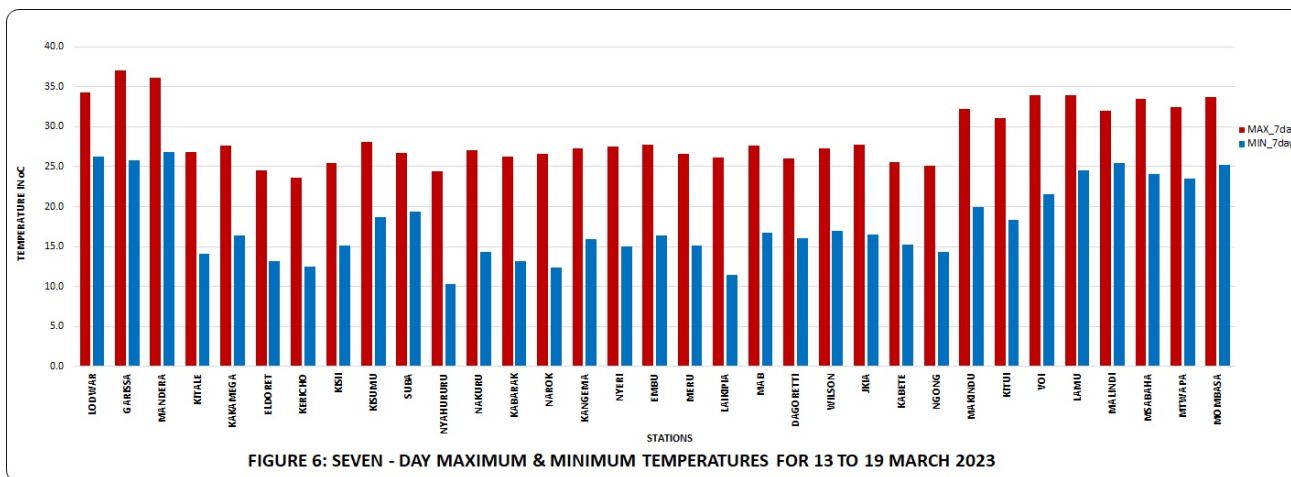


FIGURE 6: SEVEN - DAY MAXIMUM & MINIMUM TEMPERATURES FOR 13 TO 19 MARCH 2023

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

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

OF SCIENTIFIC WORDS USED

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

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