



REPUBLIC OF KENYA  
**MINISTRY OF ENVIRONMENT, NATURAL RESOURCES &  
 REGIONAL DEVELOPMENT AUTHORITIES**  
**KENYA METEOROLOGICAL DEPARTMENT**

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**WEATHER FORECAST FOR THE NEXT SEVEN-DAY PERIOD VALID  
 23<sup>RD</sup> TO 29<sup>TH</sup> AUG, 2016**

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**Review of weather for the last seven-day period 15<sup>th</sup> to 21<sup>st</sup> August 2016):**

- Most parts of the country received rainfall during the review period with the exception of parts of Northeast and Northwest
- Compared to the previous seven-day period, there was a general decrease over most areas and an increase over fewer others mainly in western.
- Day-time temperatures increased throughout most parts of the country but decreased in Lamu and Mandera.
- Night-time temperatures generally decreased over most parts of the country but increased over parts of Coast and Southeast lowlands.

**Forecast for the next seven days (23<sup>rd</sup> to 29<sup>th</sup> Aug, 2016):**

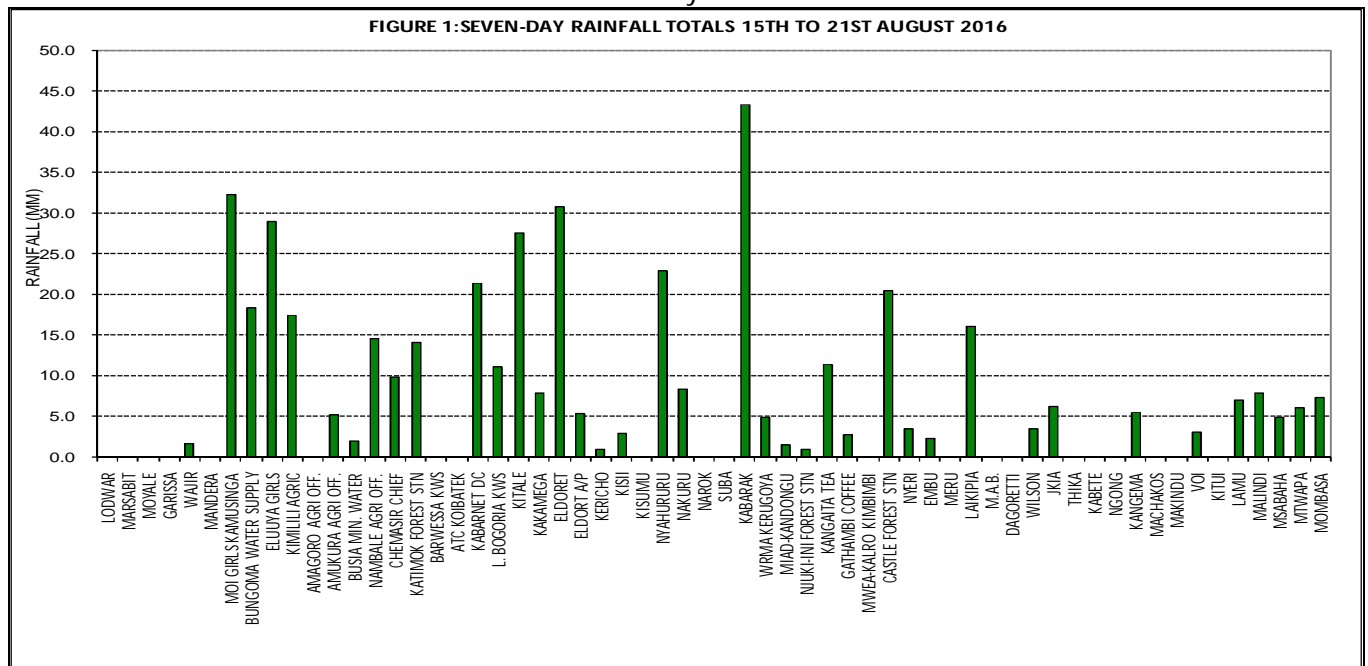
The forecast indicates that:

- Areas within the Rift Valley, Western, North West and parts of the Central Highlands and parts of the Coast are expected to receive rainfall during the forecast period;
- Temperatures are expected to be generally warm throughout the forecast period

**1. Weather Review for the last seven days 15<sup>th</sup> to 21<sup>st</sup> August, 2016**

**1.1 Rainfall Review**

Most parts of the country received rainfall during the review period with the exception of parts of Northeast and Northwest as depicted in **Fig 1**. Compared to the previous seven-day period, there was a general decrease over most areas and an increase over fewer others mainly in western.



**Figure 2** depicts the spatial distribution of the rainfall totals over the country during the seven-day review period. (15<sup>th</sup> to 21<sup>st</sup> August, 2016). During this period, Kabarak Station in the Rift Valley recorded the highest

seven-day total of 43.1mm. Kabarak Station recorded the highest rainfall amount in 24hrs of 22.8mm on 15<sup>th</sup> Kabarnet DC rainfall station recorded 21.3mm on 21<sup>st</sup>. No other station recorded heavy rainfall.

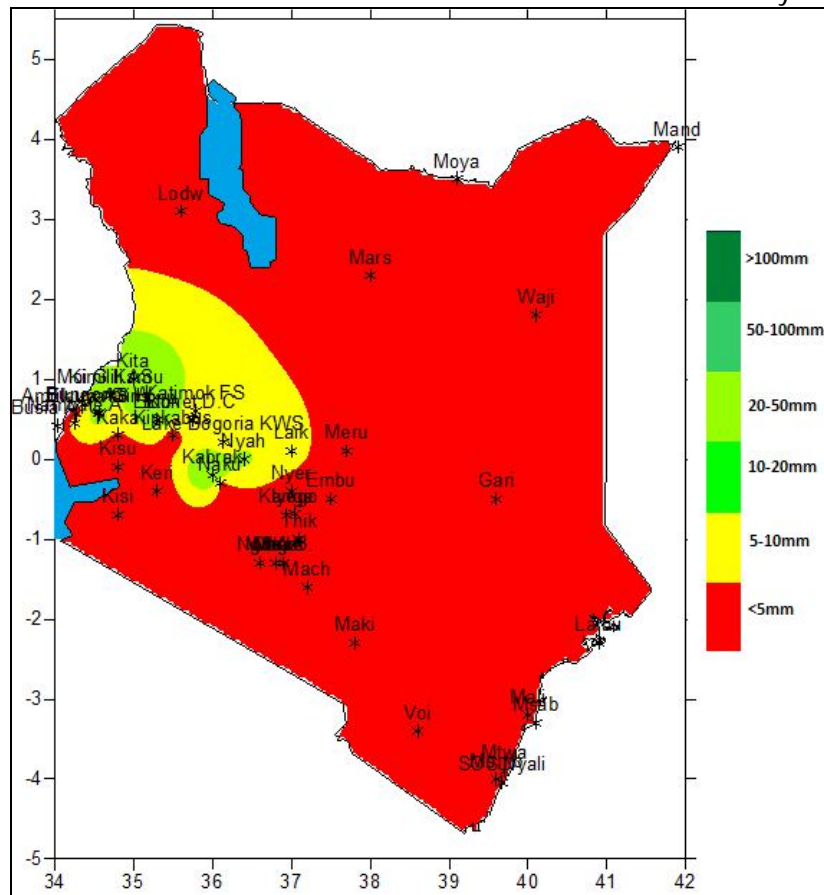
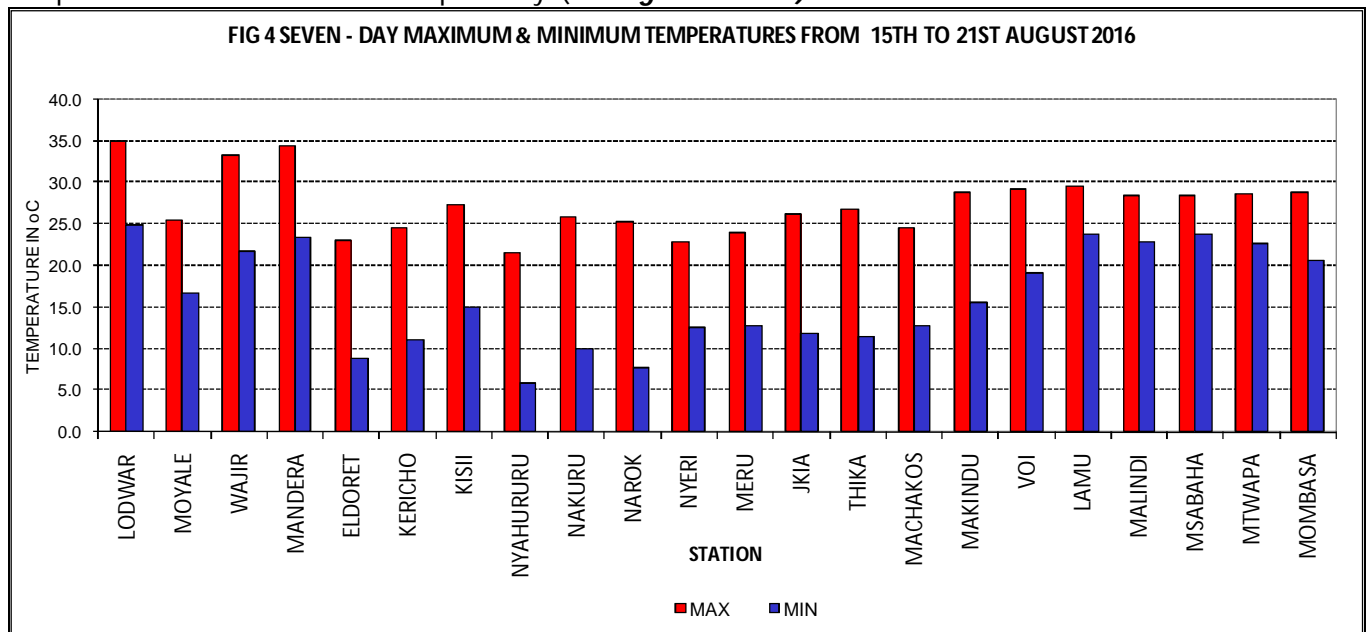


Fig 2: Spatial map of rainfall totals.

## 1.2 Temperature

During the review period, day-time (maximum) temperatures increased throughout most parts of the country but decreased in Lamu and Mandera. Night-time (minimum) temperatures generally decreased over most parts of the country but increased over parts of Coast and Southeast lowlands.

Lodwar Meteorological Station recorded the highest daily maximum temperature of 35.4°C on 16<sup>th</sup> August while Nyahururu Meteorological Station recorded the lowest daily minimum temperature of 4.4°C on 18<sup>th</sup>. The same stations recorded the highest seven-day average maximum and the lowest seven-day average minimum temperature of 34.9°C and 5.8°C respectively. (See Figure 4 below)



## 2. FORECAST FOR THE NEXT SEVEN DAYS FROM 23<sup>RD</sup> TO 29<sup>TH</sup> AUG, 2016

The forecast indicates that:

- Areas within the Rift Valley, Western, North West and parts of the Central Highlands and parts of the Coast are expected to receive rainfall during the forecast period;
- Temperatures are expected to be generally warm throughout the forecast period.

### DETAILED REGIONAL FORECAST FOR THE NEXT SEVEN DAYS 23<sup>RD</sup> TO 29<sup>TH</sup> AUG, 2016

**The Lake Victoria Basin, Highlands West of the Rift Valley, Central and South Rift Valley (counties of Siaya, Kisumu, Homabay, Migori, Kisii, Nyamira, Transzoia, Baringo, Uasingishu, Elgeyo-Marakwet, Nandi, Laikipia, Nakuru, Narok, Kajiado, Kericho, Bomet, Kakamega, Vihiga, Bungoma and Busia)** are expected to experience sunny intervals in the mornings. Afternoon showers and thunderstorms are expected over few places throughout the forecast period apart from Tuesday which will be over several places;

**Northwestern (counties of Turkana, West Pokot and Samburu)** are expected to experience sunny intervals the whole day on Thursday to Monday. Tuesday and Wednesday sunny intervals are expected in the morning and shower and thunderstorms in the afternoon over few places;

**Central Highlands including, Nairobi area (counties of Nairobi, Nyandarua, Nyeri, Kirinyaga, Murang'a, Kiambu, Meru, Embu, and Tharaka)** are expected to experience sunny intervals in the mornings and afternoon showers over few places throughout the forecast period. Tuesday morning will have rains over High ground areas;

**Northeastern (counties of Marsabit, Mandera, Wajir, Garissa and Isiolo)** are expected to experience sunny intervals the whole day for much of the forecast period. Friday and Saturday morning however is expected to experience morning rains over few places;

**Southeastern (counties of Kitui, Makueni, Machakos and Taita Taveta)** are expected to experience sunny intervals the entire day throughout the forecast period. Taveta County however is likely to experience morning rains over few places during the forecast period;

**The Coastal strip (counties of Mombasa, Tana River, Kilifi, Lamu and Kwale)** are expected to experience morning showers over few places at the beginning of the forecast period and over several places on Friday and Saturday. Afternoons are expected to experience sunny intervals throughout the forecast period.

**N.B:** This forecast should be used in conjunction with the daily (24-hour) forecast issued by this Department.

#### KEY OF SCIENTIFIC WORDS USED

**Most Places:** Between 66% and 100%

**Several Places:** Between 33% and 66%

**Few Places:** Between 0 and 33%

#### *Rainfall categories*

Range	Category
<5 mm	Light
5 - 20mm	Moderate
20 - 50mm	Heavy
>50mm	Very heavy

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FOR DIRECTOR OF METEOROLOGICAL SERVICES