



**REPUBLIC OF KENYA**

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KENYA METEOROLOGICAL DEPARTMENT**

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**WEATHER FORECAST FOR THE NEXT SEVEN-DAY PERIOD VALID  
26<sup>TH</sup> APRIL TO 2<sup>ND</sup> MAY, 2016**

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**Review of weather for the last seven-day period 18<sup>th</sup> to 24<sup>th</sup> April, 2016):**

- Many parts of the country continued to receive rainfall as the season reaches its peak;
- Compared to the previous seven-day period, there was a general improvement in rainfall amounts and intensities especially over the Coast and Southeast Lowlands;
- Day-time temperatures decreased over most parts of the country but increased over the Coast and Southeast Lowlands;
- Night-time temperatures increased over much of the country with the exception of Lodwar and parts of the Highlands West of the Rift Valley.

**Forecast for the next seven days (26<sup>th</sup> April to 2<sup>nd</sup> May, 2016):**

The forecast indicates that:

- Rains are expected to continue over several parts of the country.
- Heavy rainfall is expected over the Highlands East and West of the Rift Valley, the Southeast Lowlands, the Northeast and the Coast.

**1. Weather Review for the last seven days 18<sup>th</sup> to 24<sup>th</sup> April, 2016**

**1.1 Rainfall Review**

Many parts of the country continued to receive rainfall as the season reaches its peak (**See Fig 1**). Compared to the previous seven-day period, there was a general improvement in rainfall amounts and intensities especially over the Coast and Southeast Lowlands.

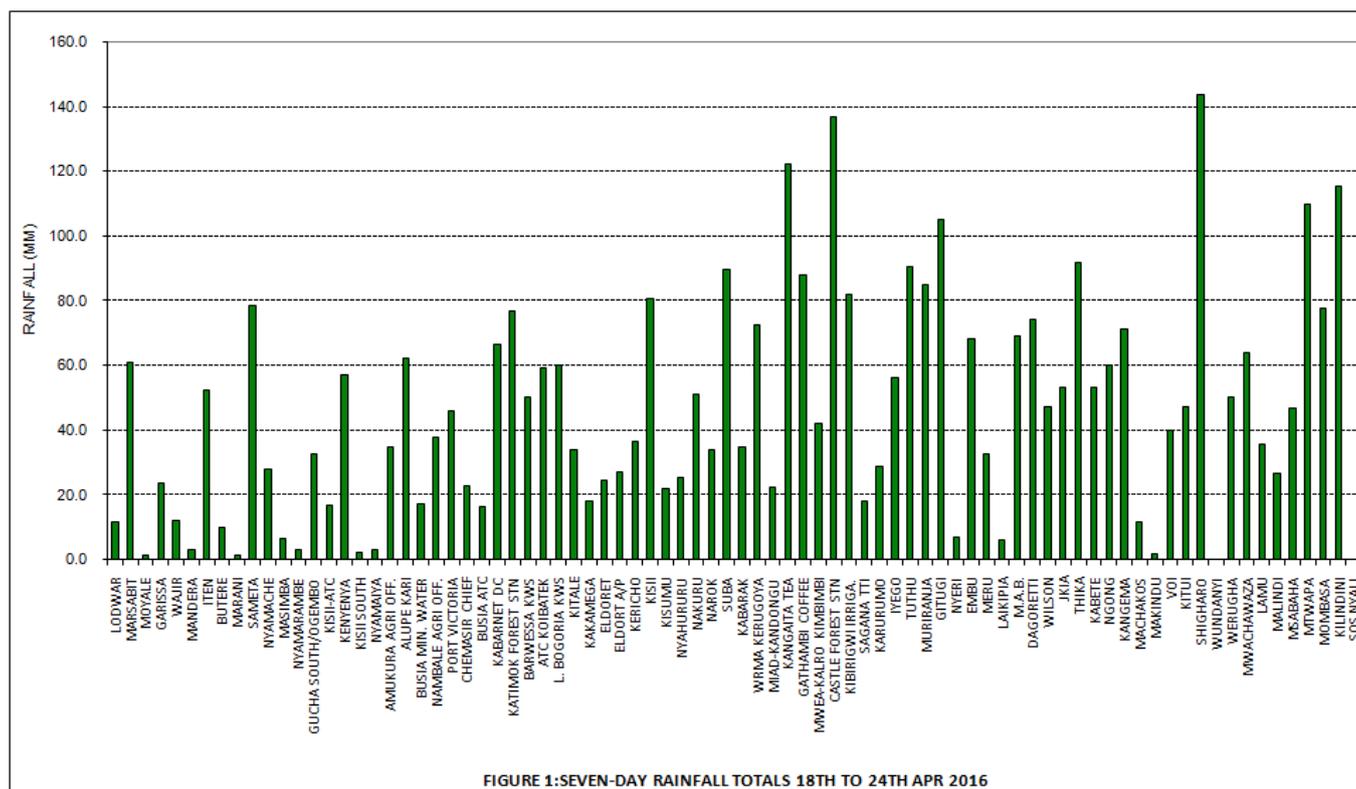
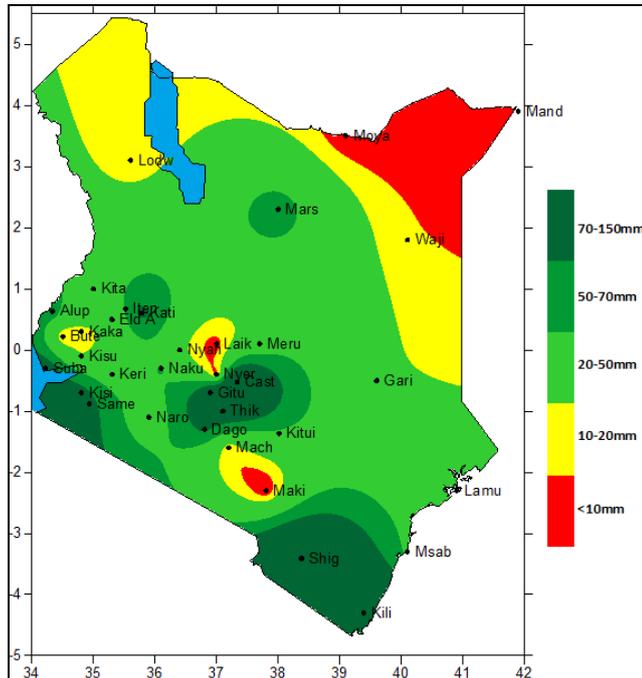
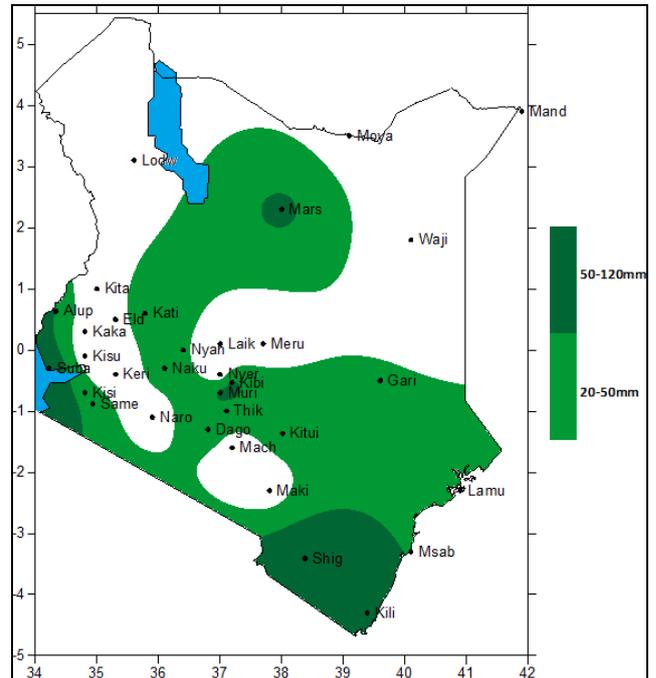


FIGURE 1:SEVEN-DAY RAINFALL TOTALS 18TH TO 24TH APR 2016

**Figure 2** depicts the spatial distribution of the rainfall totals for the seven-day review period (18<sup>th</sup> to 24<sup>th</sup> April, 2016) over the country. During the review period Shigaro Rainfall Station, in Taita Taveta County recorded the highest seven day total of 143.8mm. On the other hand, Kilindini Port Station received the highest amount of rainfall in 24 hours (113.4mm on 23<sup>rd</sup> April, 2016). **Figure 3** depicts areas that received heavy rainfall (>20mm/24hrs) during the review period.



**Fig 2: Spatial map of rainfall totals for 18<sup>th</sup> to 24<sup>th</sup> April, 2016.**

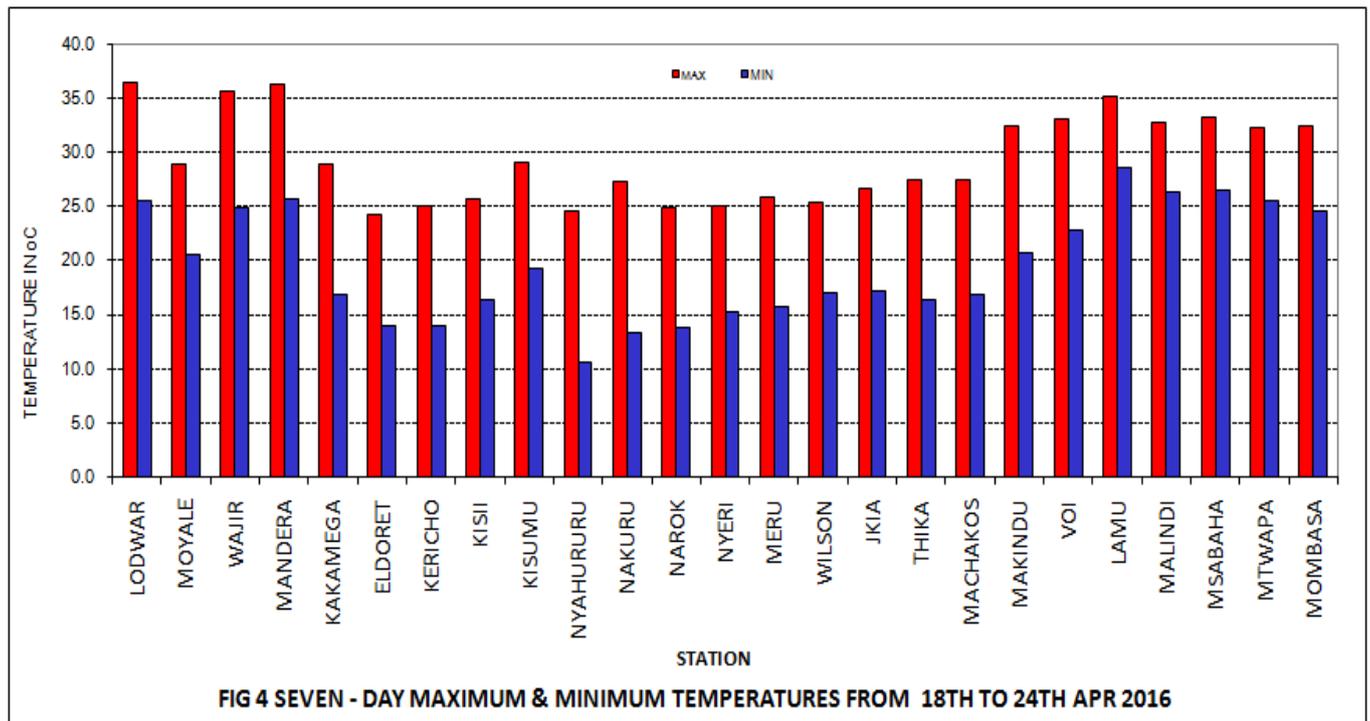


**Fig 3: Spatial map of heavy rainfall and very heavy rainfall for 18<sup>th</sup> to 24<sup>th</sup> April, 2016.**

## 1.2 Temperature

During the review period, day-time (maximum) temperatures decreased over most parts of the country but increased over the Coast and Southeast Lowlands. Night-time (minimum) temperatures increased over much of the country with the exception of Lodwar and parts of the Highlands West of the Rift Valley.

Lodwar Meteorological Station recorded the highest daily maximum temperature of 38.3°C on 22<sup>nd</sup> April, 2016 while Nyahururu Meteorological Station recorded the lowest daily minimum temperature of 8.3°C 18<sup>th</sup> April, 2016. The same stations recorded the highest seven-day average maximum temperature of 36.5°C and the lowest seven-day average minimum temperature of 10.6°C respectively. (See Figure 4 below)



**FIG 4 SEVEN - DAY MAXIMUM & MINIMUM TEMPERATURES FROM 18TH TO 24TH APR 2016**

## 2. FORECAST FOR THE NEXT SEVEN DAYS FROM 26<sup>TH</sup> APRIL TO 2<sup>ND</sup> MAY, 2016

The forecast indicates that:

- Rains are expected to continue over several parts of the country.
- Heavy rainfall is expected over the Highlands East and West of the Rift Valley, the Southeast Lowlands, the Northeast and the Coast.

### EXPECTED IMPACTS

- There is a risk of flooding over low-lying areas and those with poor drainage.
- Land-slides are likely on steep slopes.
- Roads are likely to be slippery thus motorists need to exercise caution.
- There is a risk of lightning strikes especially in the Western parts of the country.

## 3. DETAILED REGIONAL FORECAST FOR THE NEXT SEVEN DAYS 26<sup>TH</sup> APRIL TO 2<sup>ND</sup> MAY, 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 morning rains over several places during the first half of the forecast period reducing to few places thereafter. Afternoon/night showers and thunderstorms may occur over several places throughout the forecast period;

**Northwestern (counties of Turkana, West Pokot and Samburu)** are expected to experience morning rains over few places on Thursday and Friday and sunny intervals on the other days. Afternoon/night showers and thunderstorms are expected to occur over few places on all days with the exception of Thursday and Friday when they may be over several places;

**Central Highlands including, Nairobi area (counties of Nairobi, Nyandarua, Nyeri, Kirinyaga, Murang'a, Kiambu, Meru, Embu, and Tharaka)** are expected to experience morning rains over few places on the first two days of the forecast period increasing to several places thereafter. Afternoon/night showers over several places may occur throughout the forecast period;

**Northeastern (counties of Marsabit, Mandera, Wajir, Garissa and Isiolo)** are expected to experience morning rains over few places on all days with the exception of Thursday and Friday when they may be over several places. Afternoons are expected to be mainly sunny but showers are likely over few places on Thursday and Friday;

**Southeastern (counties of Kitui, Makueni, Machakos and Taita Taveta)** are expected to experience morning rains and afternoon/night showers over few places throughout the forecast period. However, on Thursday and Sunday the showers may be over several places;

**The Coastal strip (counties of Mombasa, Tana River, Kilifi, Lamu and Kwale)** are expected to experience morning showers over few places on all days except Wednesday and Thursday when they may be over several places. Afternoons may be mainly sunny but showers are likely over few places on Wednesday and Thursday.

**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

J. Gacheru,

FOR DIRECTOR OF METEOROLOGICAL SERVICES