



REPUBLIC OF KENYA

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WEATHER FORECAST FOR THE NEXT SEVEN-DAY PERIOD VALID 27<sup>TH</sup>  
MARCH TO 2<sup>ND</sup> APRIL, 2018

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Review of weather for the last seven-day period (19<sup>th</sup> to 25<sup>th</sup> March, 2018):

- Wet weather conditions reduced significantly over most parts of the country;
- Day-time (maximum) temperatures generally increased throughout the country while night-time (minimum) temperatures generally decreased.

Forecast for the next seven days (27<sup>th</sup> March to 2<sup>nd</sup> April, 2018):

The forecast indicates that:

- Wet conditions to be sustained over most parts of the country but a general decrease in the rainfall intensities;
- Wetter conditions in the eastern half of the country than the western half during the forecast period;
- A significant reduction in rainfall amounts is expected over most areas between Saturday and Sunday followed by an increase on Monday;

## 1. WEATHER REVIEW FOR THE LAST SEVEN DAYS (19<sup>TH</sup> TO 25<sup>TH</sup> MARCH, 2018)

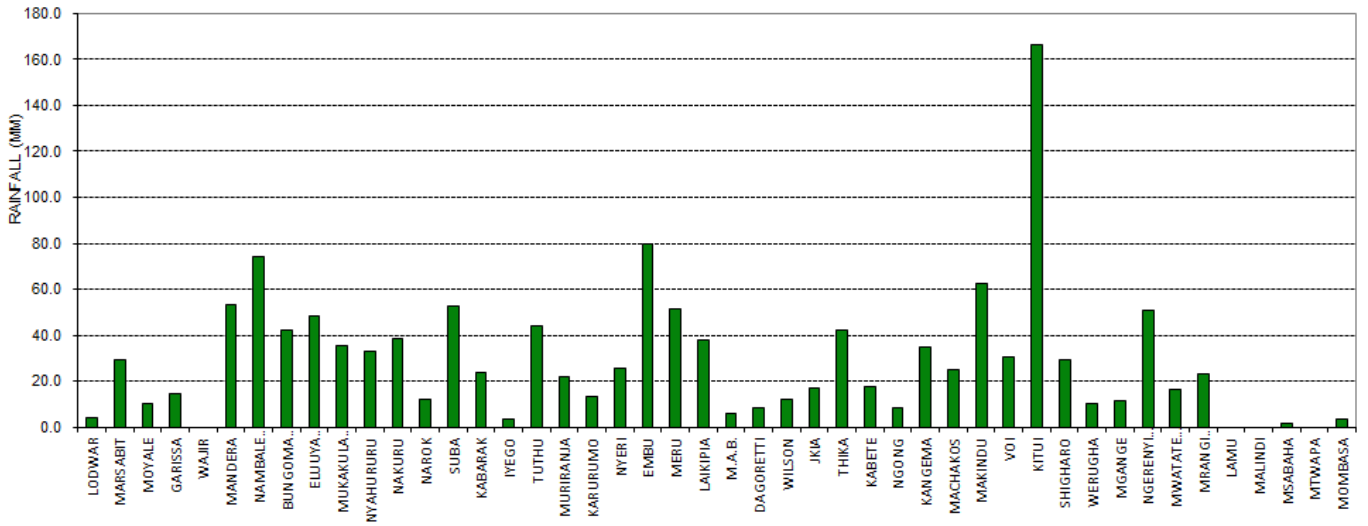
### 1.1 Rainfall Review

Wet weather conditions reduced significantly over most parts of the country as depicted in **Figures 1, 2 and 3** although some areas exhibited a marked increase in rainfall. There were stations in Embu County such as Siakago and Runyenjes that were pounded by very intense rainfall that surpassed 100mm in 24hrs on the last day of the review period. Other stations that reported very heavy rainfall (>50mm) within 24 hours on various days Kitui (91.2mm), Mandera (53.4mm), Embu (51.3mm) and Sabor Forest Station (50.9mm).

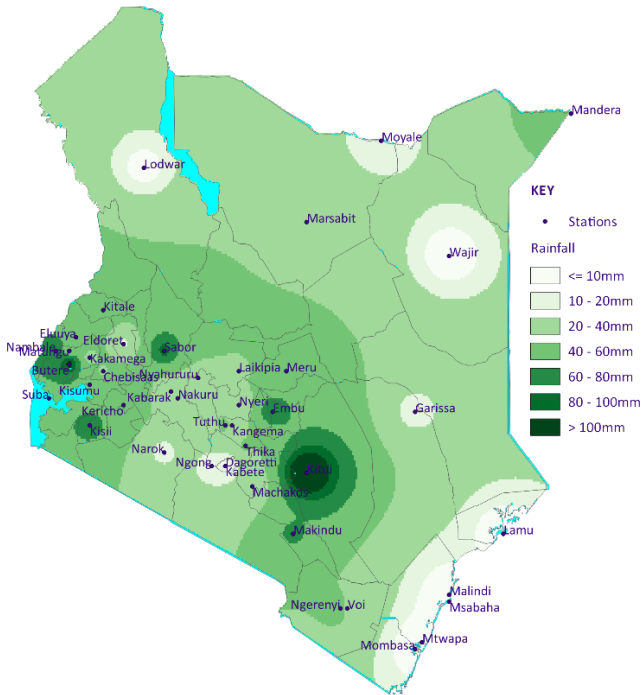
Heavy rainfall (20mm-50mm) was recorded in a number of stations on diverse days within the review period. These include Marsabit, Busia Ministry of Water, Nambale Agricultural Office, Turbo Forest Station, Matungu, Butere, Kitale, Kericho, Kisii, Kisumu, Suba, Tuthu, Nyeri, Embu, Meru, Thika, Makindu, Voi, Kitui, and Ngerenyi.

Kitui recorded the highest seven-day total rainfall of 166.1mm followed by Butere 106.7mm.

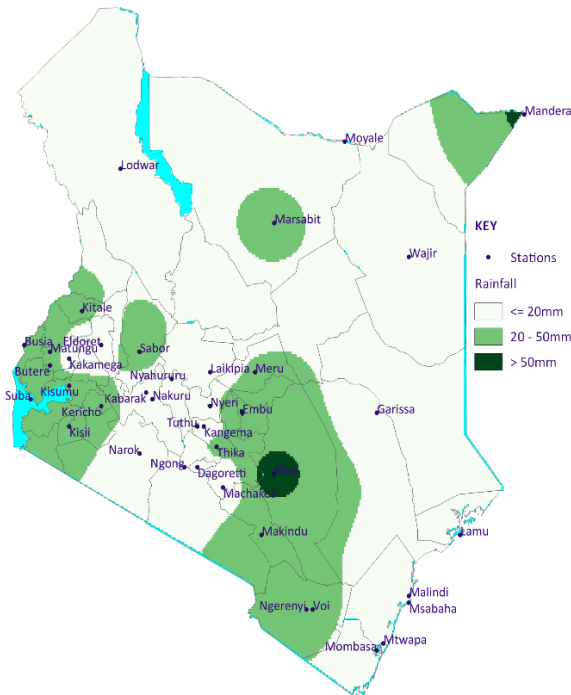
FIGURE 1:SEVEN-DAY RAINFALL TOTALS 19TH TO 25TH MARCH, 2018



**FIG 2: RAINFALL TOTALS FOR 19TH TO 25TH MARCH, 2018**



**FIG 3: AREAS THAT RECORDED HEAVY TO VERY HEAVY RAINFALL**

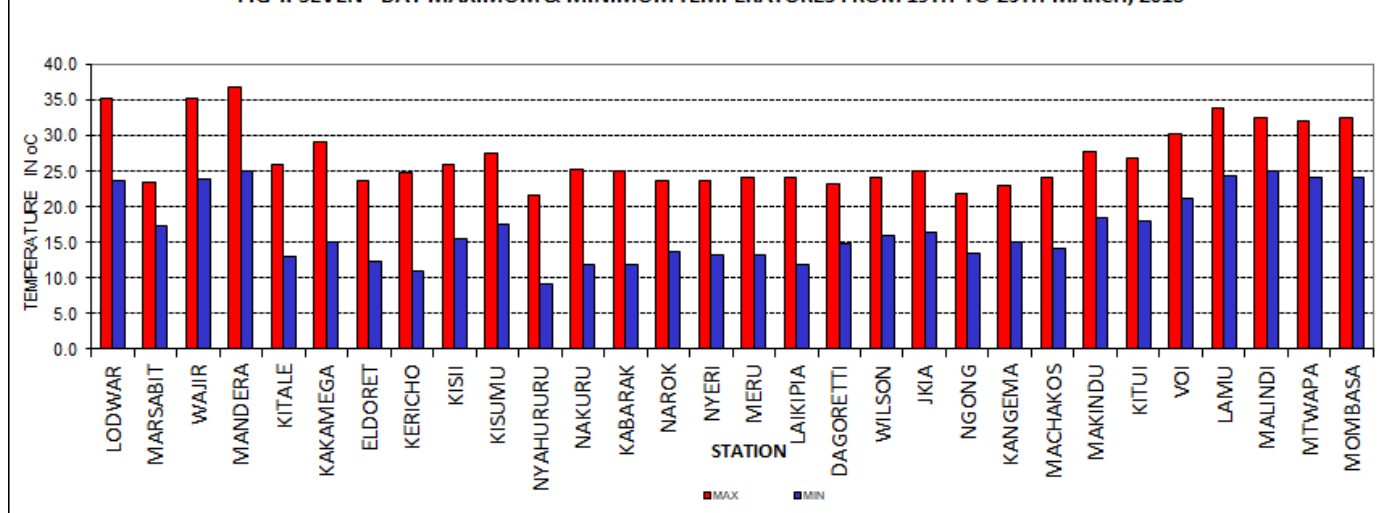


## 1.2 Temperature

During the review period, day-time (maximum) temperatures generally increased over most stations in the country but decreased over some like Marsabit and Kangema among others. Night-time (minimum) temperatures decreased over most parts of the country although a few places like Wajir, Mtwapa Jomo Kenyatta International Airport and Mombasa recorded slight increases. This was due to cloud cover and less rainfall activities for much of the period.

Mandera Meteorological Station recorded the highest daily maximum temperature of 39.0°C on 19<sup>th</sup> March while Nyahururu Meteorological Station recorded the lowest daily minimum temperature of 7.1°C on 23<sup>rd</sup> and 24<sup>th</sup> March. The same stations recorded the highest seven-day average maximum temperature of 36.9°C and the lowest seven-day average minimum temperature of 9.1°C respectively. (See **Figure 4** below)

FIG 4: SEVEN - DAY MAXIMUM & MINIMUM TEMPERATURES FROM 19TH TO 25TH MARCH, 2018



## 2. FORECAST FOR THE NEXT SEVEN DAYS FROM 27<sup>TH</sup> MARCH TO 2<sup>ND</sup> APRIL, 2018

The forecast for the next seven day period (27<sup>th</sup> March to 2<sup>nd</sup> April 2018) indicates that:

- Wet conditions to be sustained over most parts of the country but a general decrease in the rainfall intensities;
- Wetter conditions in the eastern half of the country than the western half during the forecast period;
- A significant reduction in rainfall amounts is expected over most areas between Saturday and Sunday followed by an increase on Monday;

### DETAILED REGIONAL FORECAST FOR THE NEXT SEVEN DAYS 27<sup>TH</sup> MARCH TO 2<sup>ND</sup> APRIL, 2018

**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, Uasin Gishu, Elgeyo-Marakwet, Nandi, Laikipia, Nakuru, Narok, Kajiado, Kericho, Bomet, Kakamega, Vihiga, Bungoma and Busia)** are expected to experience mainly sunny intervals in the morning and afternoon/evening showers and thunderstorms are expected over few places occasionally spreading to several places. Relatively heavier rainfall is expected in south Nyanza and South Rift.

**Northwestern (counties of Turkana, West Pokot and Samburu)** are expected to experience sunny intervals both morning and afternoon throughout the forecast period with a chance of showers and thunderstorms over few places on Monday afternoon;

**Central Highlands including, Nairobi area (counties of Nairobi, Nyandarua, Nyeri, Kirinyaga, Murang'a, Kiambu, Meru, Embu, and Tharaka)** are expected to experience cloudy early morning with rains over few places from Tuesday to Thursday. The remaining early mornings are expected to be cloudy giving way to sunny intervals. Afternoon/evening showers are expected over few places throughout the forecast period;

**Northeastern (counties of Marsabit, Mandera, Wajir, Garissa and Isiolo)** are expected to experience morning rains over several places on Wednesday and Thursday and over few places on Tuesday, Friday and Saturday. Afternoon/evening showers are expected over few places throughout the forecast period apart from Sunday. The showers are expected to be heavy on Saturday around Mandera.

**Southeastern Lowlands (counties of Kitui, Makeni, Machakos and Taita Taveta):** are expected to experience mainly cloudy early morning with morning rains over few places especially in the counties to the east on Tuesday

to Thursday. Afternoon/evening showers are expected over few places on Tuesday, Wednesday, Thursday and Monday. Sunny intervals will predominate in the afternoon on the remaining days;

**The Coastal Strip (counties of Mombasa, Tana River, Kilifi, Lamu and Kwale):** are expected to experience morning showers over several places on Tuesday, Thursday and Friday and over few places on Wednesday, Saturday and Sunday. The afternoons will be characterized by sunny intervals for much of the 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

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

<i>Rainfall coverage</i>	
<i>Term</i>	<i>Meaning</i>
Most Places	Between 66% and 100%
Several Places	Between 33% and 66%
Few Places	Between 0 and 33%

Saumu Shaka.

**FOR THE DIRECTOR OF KENYA METEOROLOGICAL DEPARTMENT**