



REPUBLIC OF KENYA

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WEATHER FORECAST FOR THE NEXT SEVEN-DAY PERIOD VALID 13TH TO 19TH MARCH, 2018

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Review of weather for the last seven-day period (5th to 11th March, 2018):

- *There was a reduction in rainfall during the week under review compared to the previous week (28th February – 5th March, 2018).*
- *Both day-time and night-time temperatures increased over several parts of the country.*

Forecast for the next seven days (13th to 19th March, 2018):

The forecast indicates that:

- *Rainfall is expected to continue over most parts of the country during the forecast period.*
- *Heavy Rainfall may be experienced over parts of the Central, Western, North Eastern and South Eastern areas of Kenya.*

1. WEATHER REVIEW FOR THE LAST SEVEN DAYS (5TH TO 11TH MARCH, 2018)

1.1 Rainfall Review

There was a reduction in rainfall during the week under review compared to the previous week (28th February – 5th March, 2018). However, several parts of the country continued to receive rainfall during the period as depicted in **Figures 1, 2 and 3** with some parts reporting very heavy rainfall (> 50mm within 24 hrs.). Kabete Station recorded the highest amount of rainfall within 24 hours of 53.5mm on 5th March, 2018 that was followed by 28.8mm the next day. Other stations that reported very heavy rainfall include Kitui and JKIA Met stations which reported 52.6mm and 50.3mm respectively. Heavy rainfall (20mm – 50mm) was in a number of stations on diverse days within the review period. These include Kakamega (33.5mm), Kisii (22.4mm), Nyahururu (40.9mm), Laikipia Air base (23.0mm), Moi Airbase (35.8mm), Wilson Airport (32.7mm & 27.1mm), Machakos (32.4mm), Makindu (22.1mm & 25.1mm), Voi (20.3mm), Ngong (21.0mm), Wesu Hospital (29.1mm), Ngerenyi (29.1mm), Mrangi Pri. School (22.1mm) and Shigharo (27.0mm).

Kabete station recorded the highest seven-day total rainfall of 100.7mm followed by Makindu with 96.4mm. Other stations whose 7-day rainfall totals surpassed 50mm were Kisii, Narok, Wilson, JKA, Machakos and Ngong. Some parts of Nairobi area reported heavy hail stones and strong winds. The relatively heavy rainfall resulted in flash floods causing major traffic snarl-ups on some roads that left motorists stranded for several hours at Suswa after flood waters cut off the Narok-Nairobi highway. The rainfall being received in South Eastern, Western, Central highlands and parts of Rift Valley may link up with the expected onsets in those regions.

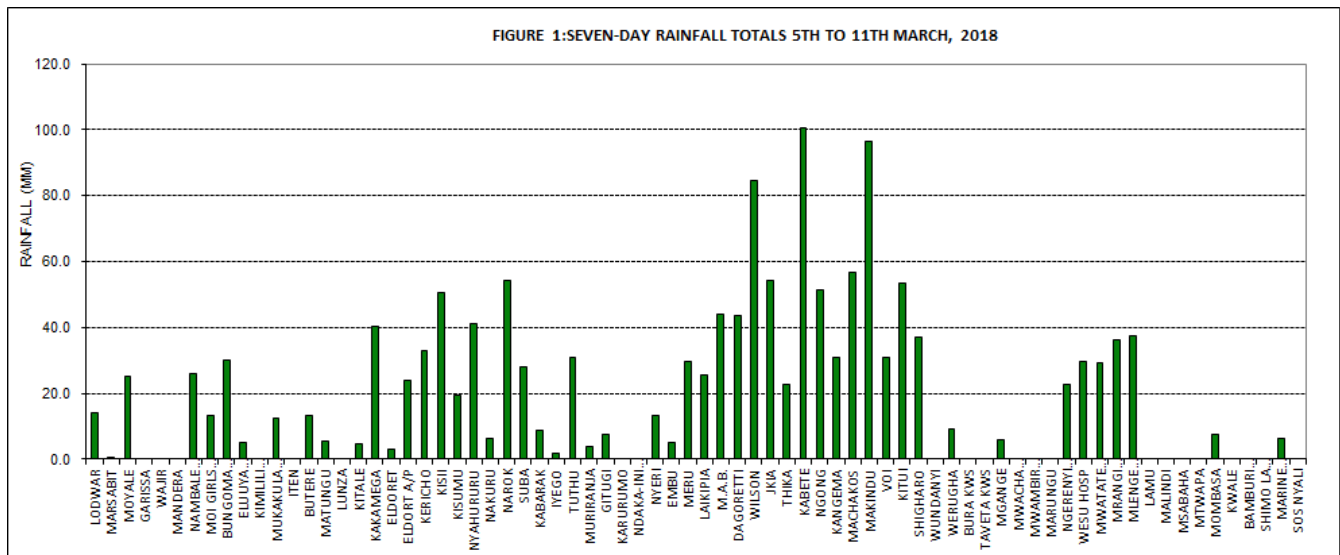
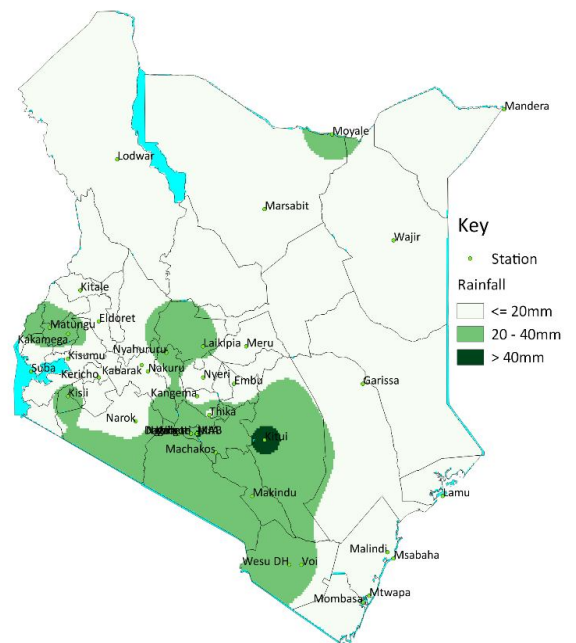
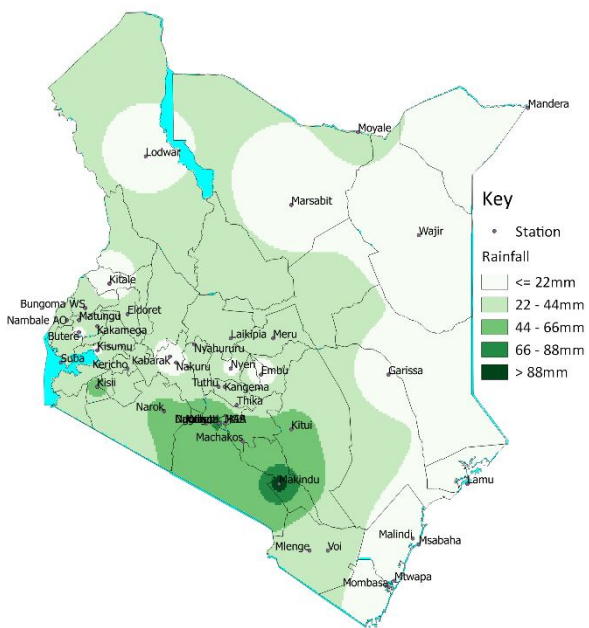


Figure 2: Rainfall Totals from 5th to 11th March, 2018

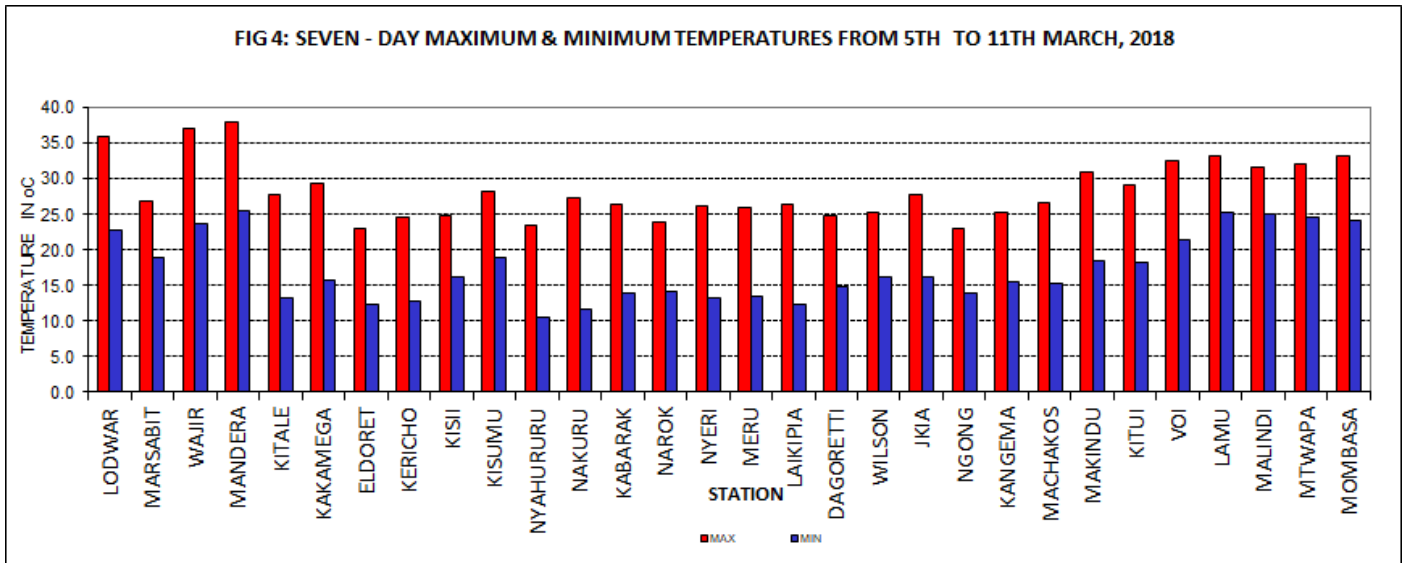
Figure 3: Areas that recorded heavy rainfall



1.2 Temperature

During the review period, day-time (maximum) temperatures generally decreased over much of the country. There was however an increase in the North West, North East, Coast and the Lake Basin region. Night-time (minimum) temperatures increased over parts of Western, Central Rift, South Eastern, North East and the Coast and decreased over parts of Central Highlands.

Mandera Meteorological Station recorded the highest daily maximum temperature of 39.3°C on 8th March while Nyahururu Meteorological Station recorded the lowest daily minimum temperature of 8.2°C on the same day. Mandera Meteorological Station recorded the highest seven-day average maximum temperature of 38.0°C while Nyahururu Meteorological Station recorded the lowest seven-day average minimum temperature of 10.4°C. (See Figure 4 below)



2 FORECAST FOR THE NEXT SEVEN DAYS FROM 13TH TO 19TH MARCH, 2018

The forecast for the next seven day period (13th to 19th March 2018) indicates that:

- Rainfall is expected to continue over most parts of the country during the forecast period.
- Heavy Rainfall may be experienced over parts of the Central, Western, North Eastern and South Eastern areas of Kenya. The expected heavy rainfall may cause floods in low lying areas and urban areas with poor drainage systems.

DETAILED REGIONAL FORECAST FOR THE NEXT SEVEN DAYS 13TH TO 19TH MARCH, 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, UasinGishu, Elgeyo-Marakwet, Nandi, Laikipia, Nakuru, Narok, Kajiado, Kericho, Bomet, Kakamega, Vihiga, Bungoma and Busia) are expected to experience morning rains over several places throughout much of forecast period. Afternoon/evening showers and thunderstorms are expected over most places throughout the forecast period. The showers will be relatively heavier from Thursday to the end of the forecast period especially over the South Rift.

Northwestern (Counties of Turkana, West Pokot and Samburu) are expected to experience morning rains over few places mainly bordering Uganda from Wednesday to the end of the forecast period. Afternoon showers and thunderstorms are expected over few places from Wednesday to the end of the forecast period.

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 several places in the morning throughout the forecast period. Afternoon showers and occasional thunderstorms are expected over most places throughout the forecast period. The showers will be relatively heavy in the second half of the forecast period.

Northeastern (Counties of Marsabit, Mandera, Wajir, Garissa and Isiolo) are expected to experience mainly sunny intervals in the morning with a possibility of light rains from Thursday. Afternoon showers are expected over few places from Thursday increasing to several places from Friday to the end of the forecast period. The showers will be relatively heavier in Marsabit, Mandera and parts of Garissa and Wajir Counties on diverse days.

Southeastern Lowlands (Counties of Kitui, Makueni, Machakos and Taita Taveta) are expected to experience morning rains and afternoon showers over several places on Tuesday and increasing to most places from Wednesday to the end of the forecast period. The showers will be relatively heavier from Thursday to the end of the forecast period especially in Kitui.

The Coastal Strip (Counties of Mombasa, Tana River, Kilifi, Lamu and Kwale) are expected to experience morning showers over the South Coast (Kwale) on Tuesday increasing to several places from Thursday to the end of the forecast period. Wednesday will be characterized by mainly sunny intervals. The showers will be relatively heavier from Friday to the end of 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

<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%

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FOR THE DIRECTOR OF KENYA METEOROLOGICAL DEPARTMENT