



**REPUBLIC OF RWANDA  
MINISTRY OF ENVIRONMENT  
RWANDA METEOROLOGY AGENCY**



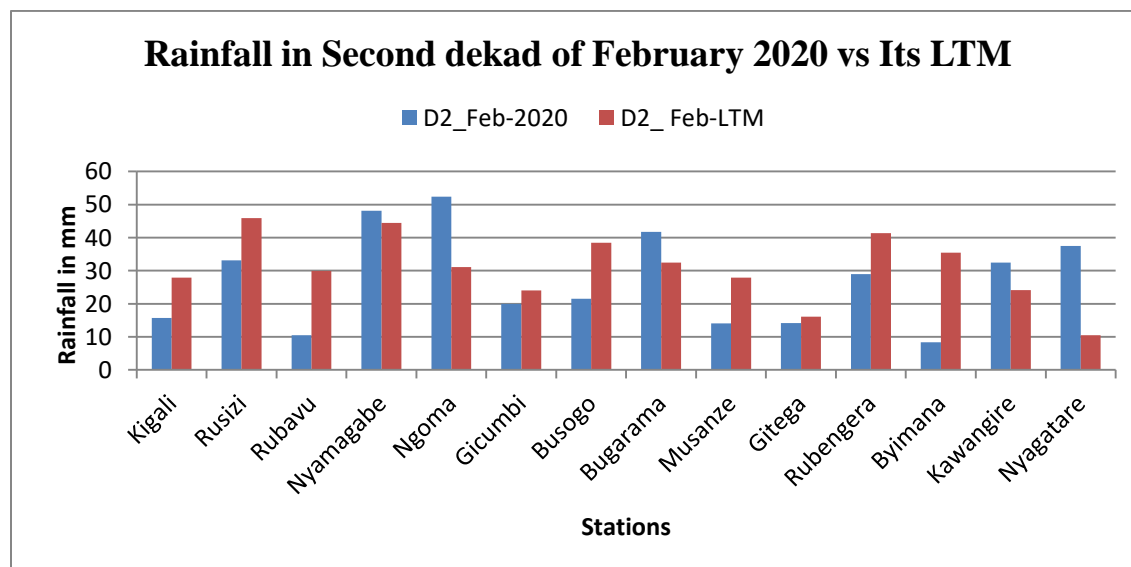
B P: 898, Kigali, Rwanda, Website: [www.meteorwanda.gov.rw](http://www.meteorwanda.gov.rw)

Toll free number : 6080

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**Summary**

In the second Dekad (11-20) of February 2020, most parts of the country received light rainfall which was below the Long Term Mean (LTM) in same parts of the country, except Nyamagabe, Ngoma, Bugarama, Kawangire and Nyagatare Stations with above normal rainfall. In this dekad, high rainfall amount was recorded at Kazo-Ngoma (52.4mm) and at Nyamagabe station (48.1mm). While less rainfall was received at Byimana station (8.4mm). Generally Southern, South-Western region and Eastern Province were wet compared to the other regions of the country. The temperature was in normal range. The maximum temperature ranged between 30.4°C in Bugarama and 23.1°C in Gicumbi and Busogo. Minimum temperature ranged between 19.4°C at Bugarama and 10.7 °C at Busogo station.



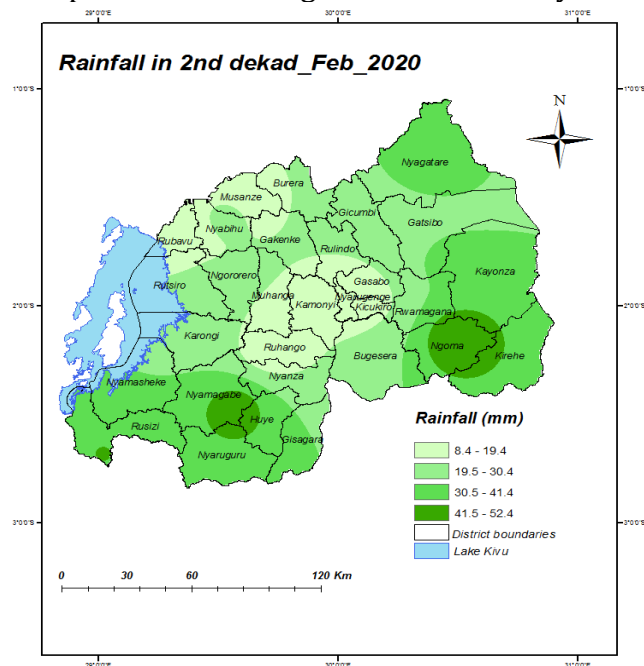
**Figure 1: Rainfall performance as Compared to the LTM**

## 1.0 Rainfall Pattern

This section provides the observed rainfall amount, rainy-days and available soil moisture for the second dekad of February 2020.

### 1.1 Rainfall Amount

The total rainfall amount for the second dekad of February, 2020 is presented in figure 1. On a daily basis observation, light rains were recorded in most parts of Rwanda. The accumulation of rainfall in ten days ranged from 52.4mm (Kazo- Ngoma) which is the highest and the lowest is 8.4mm at Byimana station. The Southern, South-western and Eastern Province were wet compared to other regions of the country.

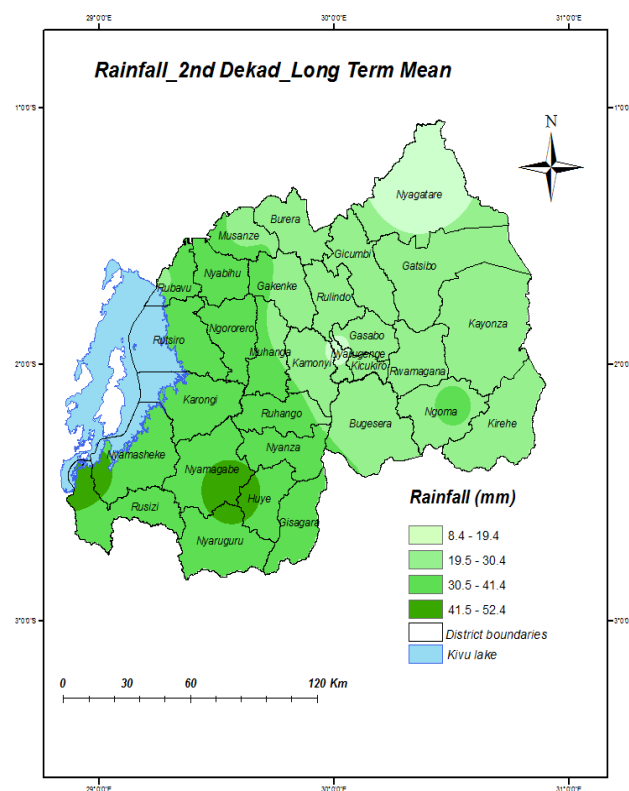


**Figure 2: Rainfall amount during 2<sup>nd</sup> Dekad**

### 1.2 Rainfall climatology in the 2<sup>nd</sup> dekad

The rainfall climatology for the 2<sup>nd</sup> dekad of February is shown in figure 2 below, which indicates that rainfall usually range from 45.9mm to 10.5mm across the country. Comparing the current dekad and the Long Term Mean (LTM) for the same period,

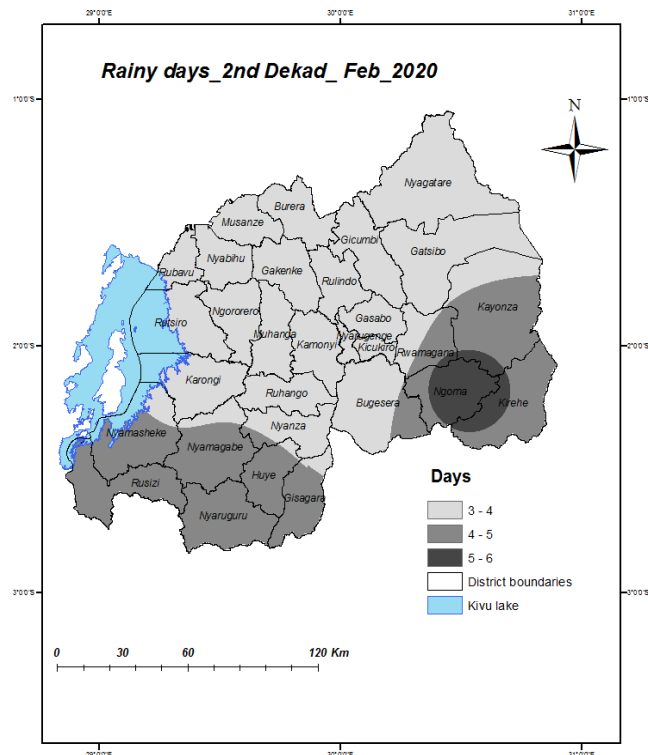
it was observed that rainfall in the 2<sup>nd</sup> dekad of February 2020 was below the LTM in most parts of the country leaving Nyamagabe, Ngoma, Bugarama, Kawangire and Nyagatare Stations with above normal rainfall to the Long Term Mean (LTM).



**Figure 3: Rainfall amount during 2<sup>nd</sup> Dekad**

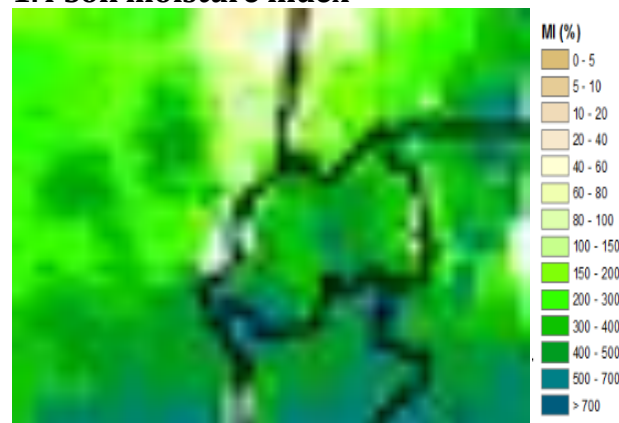
### 1.3. Number of Rain Days

Figure 3 below shows the distribution of number of rain-days for the 2<sup>nd</sup> dekad of February 2020. A rainy day is defined as a day with rainfall of 0.85mm or more. A total of 3 to 6 days were observed across the country. It can be seen that most parts of the country had days ranged between 3 to 5 days of rainfall. A minimum of 3 days was observed in many stations. The maximum of 6 days were received at Ngoma stations.



**Figure 4: Rainy days**

#### 1.4 Soil moisture index



**Figure 5: Soil Moisture Index**

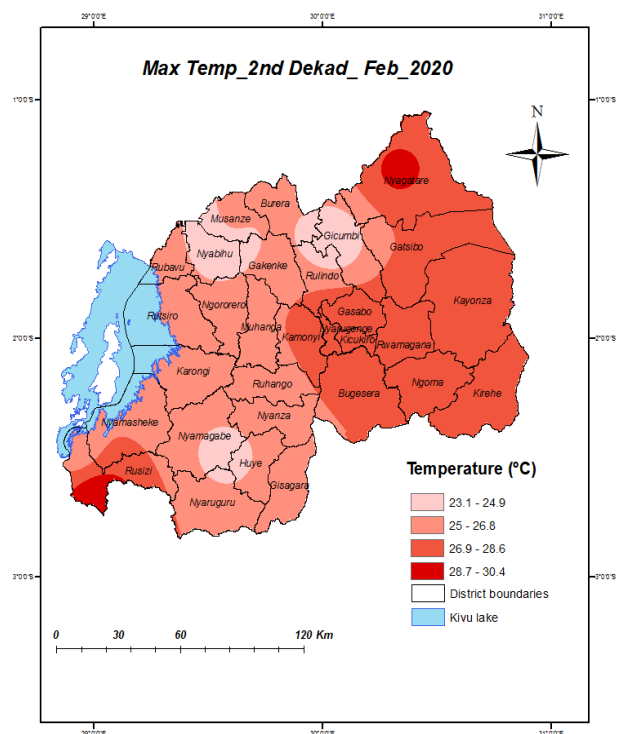
The distribution of available soil moisture across the country is shown in figure 4. Soil moisture decreased in most parts of the country especially in Central, and Northern due to dry days experienced during this dekad. The expectation is that wet conditions will follow in next dekad therefore, soil moisture across the country will be increased.

## 2.0 Temperature observation

The average of maximum and Minimum temperature across the country during the 2<sup>nd</sup> dekad is highlighted below in this section.

### 2.1 Maximum Temperature

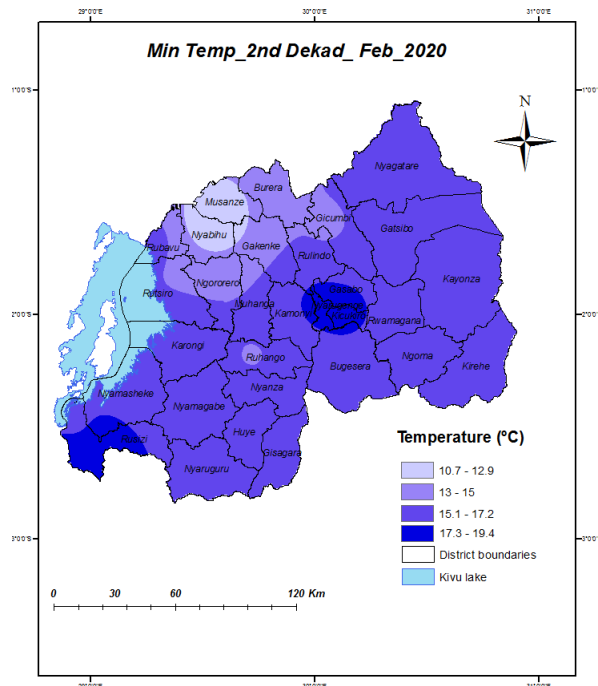
Figure 5 below shows the actual mean maximum temperature distribution across the country which indicates that the Southwest, Kigali City and East provinces were warmer compared to Northern province and Southern province. However, in most parts of the country the maximum temperature was normal increasing and ranged between 23.1 and 28°C with the exception of Nyagatare and Bugarama that recorded 29.0°C and 30.8°C respectively.



**Figure 6: Mean Maximum Temperature**

## 2.2 Minimum Temperature

The average minimum temperature across the country is shown in figure 6 below. The Northern experienced colder temperature compared to other regions of the country, even though the minimum temperature ranged between 10.7°C (Busogo) and 19.4°C (Bugarama).



**Figure 7: Mean Minimum Temperature**

## 3.0 Weather Outlook and Agricultural for the 3<sup>rd</sup> dekad (21-29) February, 2020.

### 3.1 Weather Outlook for the 2<sup>nd</sup> dekad of February 2020.

Comparing the 2<sup>nd</sup> dekad of February 2020; there will be an increase of rainfall in the third dekad; light to moderate rainfall is expected in most parts of the country. Expected rainfall amount is 30 to 50 milimeters during the forecasting period.

### 3.2 Agricultural Activity/Advisories

Wet and dry conditions will alternate in the 3<sup>rd</sup> dekad of February 2020 from 21<sup>th</sup> to 29<sup>th</sup>, farmers are advised to prepare their fields for the next season and are also advised to work closely with Agriculture officers within their location. For more meteorological information you can visit Meteo Rwanda website: [www.meteorwanda.gov.rw](http://www.meteorwanda.gov.rw).