



Kigali, 10<sup>th</sup> May 2024

**Weather forecast valid between 11<sup>th</sup> and 20<sup>th</sup> May 2024**

1. **Rainfall forecast:** During the second (2<sup>nd</sup>) dekad of May 2024, a significant reduction of rainfall is expected compared to previous dekads. The amount of rainfall ranging between 20 and 80 mm is expected across the country. The expected rainfall amount is in the range of Long-Term Mean (LTM) except some parts of north western that are expected to receive slightly above the LTM rainfall (The range of LTM varies between 10 and 70 mm). Rainy days are expected to vary between two (2) and four (4) expected on 11<sup>th</sup> and from 16<sup>th</sup> up to the end of the dekad. The main factors influencing rainfall in this dekad are the northward migration of Inter-Tropical Convergency Zone (ITCZ) and local factors.

**Spatial distribution of rainfall:** Rainfall ranging between 70 and 80 mm is the highest expected over many parts of Rutsiro, Rubavu, Musanze and Nyabihu, northern parts of Karongi and Burera, western parts of Ngororero and isolated parts of Nyamasheke District. Rainfall ranging between 60 and 70 mm is expected in remaining parts of Western Province (except western parts of Rusizi District), Burera and Musanze Districts, northern parts of Gakenke and western parts of Nyamagabe and Nyaruguru Districts. The rainfall ranging between 20 and 30 mm is the lowest amount expected over many parts of Nyagatare, Gatsibo and Kirehe District, and localized parts of Kayonza, Bugesera, Ngoma and Rwamagana Districts. The remaining parts of the country are expected to experience rainfall ranging between 30 and 60 mm.

2. **Forecast of wind speed:** Moderate to slightly strong wind speed ranging between 4 and 8 m/s is expected across the country. Moderate wind speed ranging between 4 and 6 m/s (green colour) is expected in many parts of the country except in localized areas of Nyagatare, Gatsibo, Nyabihu, Rubavu, Rutsiro, Karongi, Nyamagabe and Rusizi Districts where moderate to slightly strong wind speed ranging between 6 and 8 m/s (yellow colour) is predicted.
3. **Temperature forecast:** During the 2<sup>nd</sup> dekad of May 2024, the average maximum temperature is expected to range between 18°C and 28°C which is in the range of LTM maximum temperature of 2<sup>nd</sup> dekad of May. Parts of Kigali City, Bugesera District, Amayaga region and Bugarama valley are expected to experience higher maximum temperature ranging between 26°C and 28°C. Many parts of Nyabihu District, eastern parts of Rubavu, northern parts of Musanze and Burera Districts Districts are expected to experience lower maximum temperatures ranging between 18°C and 20°C.
4. **Expected Impacts:** light to moderate impacts associated with accumulated rains are likely to occur in Northwestern parts of the country on rainy days mentioned above. Likely impacts are flooding, poor visibility during rainstorms, soil erosion and landslides in areas of high slopes. Mitigation measures should continue by relevant authorities and the public.

For more detailed information on spatial distribution map of rainfall, maximum temperature and wind speed, please refer to the following maps below.

