



Kigali, 29th April 2024

Weather forecast valid between 1st and 10th May 2024

1. **Rainfall forecast:** During the first (1st) dekad of May 2024, wetter conditions are expected to continue. The amount of rainfall ranging between 40 and 200 mm is expected across the country. The expected rainfall amount is above the range of Long-Term Mean (LTM) across the country (The range of LTM varies between 30 and 100 mm). Rainy days are expected to vary between three (3) and seven (7) days unevenly distributed across the dekad with critical dates for enhanced rainfall being from 1st to 4th May 2024. The main factors influencing rainfall in this dekad are the overhead Inter-tropical Convergence Zone and local factors.

Spatial distribution of rainfall: Rainfall ranging between 160 and 200 mm is the highest expected over many parts of Burera, Musanze, Nyabihu, Ngororero, Rutsiro, and small areas of Gakenke, Rubavu, Rusizi, Nyamasheke, Nyamagabe and Nyaruguru Districts. Rainfall ranging between 140 and 160 mm is expected in remaining parts of Western Province, Burera and Musanze Districts, central parts towards western parts of Gakenke, Nyamagabe and Nyaruguru Districts and northern parts of Muhanga District. The rainfall ranging between 40 and 60 mm is the lowest amount expected over eastern parts of Nyagatare, Kayonza, Gatsibo and Kirehe Districts. The City of Kigali, Rulindo and Gicumbi Districts, remaining parts of Eastern and Southern Provinces are expected to experience rainfall ranging between 60 and 140 mm according to distribution on the map below.

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 parts of Nyagatare, Gatsibo, Nyabihu, Rubavu, Rutsiro, Karongi, Nyamagabe and Rusizi Districts where moderate to slightly strong wind ranging between 6 and 8 m/s (yellow colour) is predicted.
3. **Temperature forecast:** During the first (1st) 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 first (1st) dekad of May. Many parts of City of Kigali, Eastern Province, Amayaga region and southern parts of Rusizi District 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 are expected to experience lower maximum temperatures ranging between 18°C and 20°C.
4. **Expected Impacts:** Impacts associated with heavy and accumulated rains are likely to occur in many parts of the country especially in Northern, Western and Southern Provinces mainly between 1st and 4th May 2024. Likely impacts are flooding, poor visibility during rainstorms, soil erosion and landslides in areas of high slopes without erosion control measures. Preparedness and mitigation measures should be put in place by relevant authorities and the public to minimize impacts that may be caused by the expected rains.

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

