



Kigali, 20th December 2023

Weather forecast valid between 21st and 31st December 2023

1. **Rainfall forecast:** During the third (3rd) dekad of December 2023, the amount of rainfall ranging between 20 and 100 mm is expected across the country which is slightly reduced compare to the rainfall observed in previous dekads of December 2023. The expected rainfall amount will be slightly above the range of Long Term Mean (LTM) in many parts of the country (The range of LTM varies between 10 and 70 mm). Rainy days are expected to vary between three (3) and six (6) days. Rainfall is expected mainly from 26th to 31th in many parts of the country but some parts are expected to record rainfall even on 22nd and 23rd December 2023. The main factors influencing the rainfall is the southward migration of Inter Tropical Convergence Zone (ITCZ) and local features.

Spatial distribution of rainfall: Rainfall ranging between 80 and 100 mm is the highest expected over many parts Rusizi, Nyamasheke and Nyaruguru Districts, southern parts of Nyamagabe, western parts of Huye and northern parts of Rubavu District. Rainfall ranging between 60 and 80 mm is expected over the remaining parts of Western Province, Huye and Nyamagabe Districts, many parts of Musanze, Gakenke and Muhanga Districts and western parts of Rulindo, Ruhango, Gisagara and Nyanza Districts. The rainfall ranging between 20 and 40 mm is the lowest amount expected over many parts of Nyagatare, Gatsibo, northern parts of Kayanza and Bugesera, western parts of Rwamagana and eastern parts of Gasabo and Kicukiro Districts. The remaining parts of the country are expected to record rainfall ranging between 40 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 to strong wind speed ranging between 6 and 8 m/s (yellow colour) is expected in many parts of the country except parts of Kirehe, Gakenke, Nyagatare, Gicumbi, Gasabo, Nyamagabe, Nyaruguru and many parts of Western Province where moderate wind speed ranging between 4 and 6 m/s (green color) is predicted.
3. **Temperature forecast:** During the third (3rd) dekad of December 2023, the average maximum temperature is expected to range between 18°C and 30°C which is ranging within LTM maximum temperature of third dekad of December. Many parts of Kigali City, Bugarama, Amayaga and Bugesera District are expected to experience higher maximum temperature ranging between 28°C and 30°C. Northern parts Nyabihu and Musanze Districts are expected to experience lower maximum temperatures ranging between 18°C and 20°C.

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



Rainfall predicted between 21st and 31st December 2023

