



Kigali, 21st October 2023

Weather forecast valid from 21st to 31st October 2023

1. **Rainfall forecast:** During the third (3rd) dekad of October 2023, wetter conditions are predicted to continue countrywide. The amount of rainfall ranging between 20 and 120 mm is expected across the country. The expected rainfall amount will be above the range of Long-Term Mean (LTM) during the dekad across the country (The range of LTM varies between 10 and 70 mm). Rainy days are expected to vary between three (3) and seven (7) days, unevenly distributed over different parts of the country. Eastern parts are more likely to record rains on 22nd, 25th, 26th and 27th while the rest parts of the country are likely to record rains on 21st, 22nd, 23rd, 25th, 26th, 27th and 28th. The main factor influencing the rainfall is the positive Indian Ocean Dipole (IOD) moderated by local factors.

Spatial distribution of rainfall: Rainfall ranging between 100 and 120 mm is expected in Rusizi, Nyamasheke, Rutsiro, Rubavu, Musanze and Burera Districts, western parts of Nyabihu, Ngororero, Karongi, Nyamagabe, Nyaruguru and northern parts of Gakenke Districts. Rainfall ranging between 80 and 100 mm is expected in the remaining parts of Western and Northern Provinces except southern parts of Gicumbi, Rulindo and Gakenke Districts, parts of Nyamagabe, Nyaruguru, western Huye, Nyagatare Districts, and localized areas of Kirehe, Ngoma and Rwamagana Districts. The rainfall ranging between 20 and 40 mm is the lowest amount expected over eastern parts of Kayonza, Gatsibo, Nyagatare, Nyanza, Gisagara and southern parts of Bugesera District. The remaining parts of the country are expected to record rainfall ranging between 40 and 80 mm as indicated by the map below.

2. **Forecast of wind speed:** Moderate to slightly strong wind speed ranging between 4 and 10 m/s is expected across the country. Slightly strong wind speed ranging between 6 and 8 m/s (yellow colour on the map of predicted wind speed) is expected over many parts of the country except many parts of Karongi, northern parts of Nyamasheke and Nyamagabe, southern parts of Rutsiro and localized areas of Nyaruguru and Bugesera Districts where strong wind speed ranging between 8 and 10 m/s (amber colour on the map of predicted wind speed) is expected.
3. **Temperature forecast:** During the third (3rd) dekad of October 2023, the average maximum temperature is expected to range between 18°C and 30°C which is ranging within LTM maximum temperature of third (3rd) dekad of October. Many parts of Kigali City, Kamonyi, Bugesera and Ngoma Districts, eastern parts of Nyagatare, Gatsibo, Kayonza, southern parts of Rwamagana, Amayaga region and Bugarama plain 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.

