



Kigali, 10th October 2023

Weather forecast valid from 11th to 20th October 2023

1. **Rainfall forecast:** During the second (2nd) dekad of October 2023, rainfall ranging between 30 and 150 mm is expected across the country. A considerable increase in rainfall amount and rainy days across the country is evident compared to the previous dekad (1st dekad of October). The expected rainfall amount will be above the range of Long-Term Mean (LTM) across the country (The range of LTM varies between 10 and 70 mm). Rainy days are expected to vary between four (4) and seven (7) days, evenly distributed across the dekad. The main factor influencing the rainfall is the positive Indian Ocean Dipole (IOD) moderated by local factors.

Spatial distribution of rainfall: Rainfall ranging between 120 and 150 mm is expected in Nyamasheke, Rutsiro, Rubavu, western parts of Nyabihu, Ngororero, Karongi, Nyamagabe and northern parts of Rusizi, Musanze and Burera Districts. Rainfall ranging between 90 and 120 mm is expected in the remaining parts of Western and Northern Provinces except southern parts of Gicumbi, remaining parts of Nyamagabe and Nyaruguru District and western parts of Ruhango and Muhanga Districts. The rainfall ranging between 30 and 60 mm is the lowest amount expected over many parts of Kayonza, eastern parts of Kirehe, Kayonza, Nyagatare and localized areas of Bugesera Districts. The remaining parts of the country are expected to record rainfall ranging between 60 and 90 mm as indicated by 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 over many parts of Nyamasheke, Musanze, Nyarugenge Districts and over localized areas of Rusizi, Rutsiro, Rubavu, Nyabihu, Gakenke, Kamonyi, Gasabo, Bugesera, Ngoma and Nyagatare Districts. Slightly strong wind speed ranging between 6 and 8 m/s (yellow colour) is expected over most parts of the country.
3. **Temperature forecast:** During the second (2nd) dekad of October 2023, the average maximum temperature is expected to range between 18°C and 30°C which is slightly lower compare to the previous dekad and ranging within LTM maximum temperature of second (2nd) dekad of October. Nyarugenge District, Amayaga region, Bugarama plain and parts of Bugesera and Ngoma Districts are expected to experience higher maximum temperature ranging between 28°C and 30°C. Northern parts Rubavu, Nyabihu and Burera 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.

