



Kigali, 31st October 2023

Weather forecast valid from 1st to 10th November 2023

1. **Rainfall forecast:** During the first (1st) dekad of November 2023, an increased amount of rainfall is expected and wetter conditions are predicted to continue countrywide. The amount of rainfall ranging between 40 and 160 mm is expected across the country. The expected rainfall amount will be above the range of Long-Term Mean (LTM) during the first (1st) dekad across the country (The range of LTM varies between 20 and 70 mm). Rainy days are expected to increase and vary between four (4) and eight (8) days, unevenly distributed over different parts of the country. The critical dates (when heavy rain is predicted) are from the 2nd to the 6th November 2023. The main factors influencing the rainfall is the positive Indian Ocean Dipole (IOD) moderated by local factors and overhead Inter Tropical Convergence Zone (ITCZ).

Spatial distribution of rainfall: Rainfall ranging between 140 and 160 mm is the highest expected over parts Rusizi, Nyamasheke, Nyamagabe, Karongi, Ngororero, Rutsiro, Nyabihu, Musanze and Burera Districts. Rainfall ranging between 120 and 140 mm is expected over the remaining parts of Western and Northern Province except southern parts of Gicumbi District, over remaining parts of Nyamagabe and Nyaruguru District. The rainfall ranging between 40 and 60 mm is the lowest amount expected over eastern parts of Gatsibo, Nyagatare and northern parts of Kayonza District. The remaining parts of the country are expected to record rainfall ranging between 60 and 120 mm as indicated by the map below.

Expected Impacts: Impacts associated with heavy and accumulated rain are expected across the dekad. Likely impacts are flooding on road surfaces, localized agricultural areas, flood-prone areas, slippery roads and poor visibility during rainstorms, soil erosion and landslides in areas of high slopes. Preparedness and mitigation measures should be put in place by relevant institutions and the general public to minimize impacts that may be caused by the expected rain.

2. **Forecast of wind speed:** Moderate to strong wind speed ranging between 4 and 10 m/s is expected across the country. Strong wind speed ranging between 8 and 10 m/s (amber color) is expected in localized parts of Gicumbi, Gatsibo, Karongi and Ruhango Districts. 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 localized areas in green with wind speed of 4-6 m/s.
3. **Temperature forecast:** During the first (1st) dekad of November 2023, the average maximum temperature is expected to range between 18°C and 30°C which is ranging within LTM maximum temperature of first (1st) dekad of November. Many parts of Kigali City, Bugarama, Amayaga, Bugesera, Ngoma and localized areas of Kayonza, Gatsibo and Nyagatare Districts are expected to experience higher maximum temperature ranging between 28°C and 30°C. Western parts Nyabihu and Ngororero, eastern parts of Rubavu, northern parts Musanze 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.

