



Kigali, 31st May 2023

Weather Forecast for the month of June 2023

1. Rainfall forecast

During the month of June 2023, the amount of rainfall ranging between 0 and 120 mm is expected across the country. The expected rainfall for the month of June 2023 will be in the range of Long-Term Mean (LTM) over many parts of the country (LTM rainfall for the month of June ranges between 0 and 100mm). All three dekads of June 2023 are expected to receive rainfall which is within the range of LTM. The main drivers of weather during the month of June 2023 are Sea Surface Temperature (SSTs) in both Indian and Pacific Oceans which are above normal conditions and the position of Inter-Tropical Convergence Zone (ICTZ) drifting towards Northern Hemisphere.

The spatial distribution map below shows that higher amount of rainfall is expected to range between 80 and 120 mm over Northern parts of Rubavu, Nyabihu, Musanze and Burera Districts, along Birunga and Gishwati National Parks. Rainfall ranging between 40 and 80 mm is expected in many parts of Nyamasheke and Rutsiro Districts, the remaining parts of Rubavu, Nyabihu Districts, eastern parts of Rusizi District, Western parts of Ngororero, Nyaruguru and Nyamagabe Districts as whereas northern parts of Burera District. Rainfall less than 10 mm is expected over Eastern Province, Kigali City and many parts of Southern Province. The remaining parts of the country are expected to record rainfall ranging between 10 and 40 mm.

2. Wind Speed forecast

The wind speed distribution indicated by the map below for the month of June 2023 shows that moderate to strong wind ranging between 4m/s and 10m/s is expected across the country. Strong wind speed ranging between 8 and 10 m/s (amber colour) is expected in localized parts of Nyabihu, Rubavu, Rutsiro, Karongi, Rusizi and Nyamasheke Districts. Slightly strong wind ranging between 6 and 8 m/s (yellow colour) is expected over many parts of Nyagatare, Gatsibo, Gicumbi, northern parts of Burera and Musanze Districts, western parts of Nyabihu, Ngororero and Nyamagabe Districts; localized areas of Kirehe Districts and the remaining parts of Rubavu, Rutsiro, Karongi, Nyamasheke and Rusizi Districts. The rest of the country is expected to experience moderate wind speed ranging between 4 and 6 m/s (green colour).

3. Temperature forecast

During the month of June 2023, the average maximum temperature is expected to range between 18°C and 30°C. Temperature ranging between 28°C and 30°C is the highest expected in the areas of Bugarama plain while temperature ranging between 26°C and 28°C is expected over many parts of Amayaga region, Nyarugenge and Bugesera Districts, southern parts of Rusizi District and localized parts of Kirehe and Ngoma Districts. Lower maximum temperature is expected to range between 20°C and 22°C over many parts of Musanze, Nyabihu and Burera Districts, western parts of Nyaruguru, Nyamagabe and Ngororero, eastern parts of Rusizi, Nyamasheke, Rutsiro and Rubavu and northern parts of Gicumbi and Rulindo Districts. The expected temperature will be slightly below the range of Long Term Mean (LTM) maximum temperature for the month of June 2023 in many parts of the country.



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

