



Kigali, 30th April 2023

Weather Forecast for the month of May 2023

1. Rainfall forecast

During the month of May 2023, the amount of rainfall ranging between 50 and 200 mm is expected across the country. The expected rainfall for the month of May 2023 will be slightly above the range of Long-Term Mean (LTM) over many parts of the country (the LTM rainfall for the month of May ranges between 50 and 200mm). The first (1st) dekad of May 2023 is expected to be wetter in its first days and will be above the LTM while the second (2nd) and the third (3rd) dekads are expected to record rainfall in the range of LTM across the country. The main drivers of rainfall during the month of May 2023 are Sea Surface Temperature (SSTs) in both Indian and Pacific Oceans which are slightly above normal conditions and northward migration of Inter-Tropical Convergence Zone (ICTZ).

The spatial distribution map below shows that higher amount of rainfall expected to range between 175 and 200 mm over many parts of North Western and parts of Nyamasheke District. Rainfall ranging between 150 and 175 mm is expected in the remaining parts of Western Province and Northern Province except Gicumbi District and southern parts of Rulindo and Gakenke Districts where rainfall ranging between 100 and 150 mm is expected. A reduced amount of rainfall ranging between 50 and 75 mm is expected over northern and central parts of Nyagatare and southern parts of Kirehe, Ngoma and Bugesera Districts. The remaining parts of the country are expected to record rainfall ranging between 75 and 150 mm.

2. Wind Speed forecast

The wind speed distribution indicated by the map below for the month of May 2023 shows that moderate to slightly strong wind ranging between 4m/s and 8m/s is expected across the country. Slightly strong wind speed ranging between 6 and 8 m/s (yellow colour) is expected over Western Province except eastern parts of Nyabihu and Ngororero Districts, it is also expected over Gatsibo and Nyagatare Districts, over many parts of Gicumbi, Burera and Nyamagabe Districts and over localized parts of Kirehe, Kayonza, Nyanza and Ruhango Districts. The rest parts of the country are expected to experience moderate wind speed ranging between 4 and 6 m/s (green colour).

3. Temperature forecast

During the month of May 2023, the mean maximum temperature is expected to range between 18°C and 28°C. Temperature ranging between 26°C and 28°C is the highest expected in the month of May 2023 over Nyarugenge, Kicukiro and Bugesera Districts, eastern parts of Gisagara, Nyanza, Kamonyi and Ruhango Districts, western parts of Ngoma and southern parts of Rusizi District. Lower maximum temperature is expected to range between 18°C and 20°C in the western parts of Nyabihu, eastern parts of Rubavu, northern parts of Musanze and Burera Districts. The expected temperature will be in the range of Long Term Mean (LTM) maximum temperature for the month of May 2023.

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

