



## **Weather Forecast for the month of May 2024**

### **1. Rainfall forecast**

During the month of May 2024, the amount of rainfall ranging between 100 and 300 mm is expected across the country. The expected rainfall in May 2024 will be slightly above the range of Long-Term Mean (LTM) in many parts of the country. The first dekad of May is expected to record above the LTM countrywide, the second and third dekads are expected to record rainfall in the range of LTM. The main drivers are positive phase of Indian Ocean Dipole (IOD).

The spatial distribution map shows that higher amount of rainfall ranging between 250 and 300 mm is expected over localized parts of Rusizi, Nyamasheke, Nyamagabe, Gakenke, Nyabihu, Rubavu, Rutsiro and Ngororero Districts and in northern parts of Musanze and Burera Districts. Rainfall ranging between 200 and 250 mm is expected in the remaining parts of Western Province, remaining parts of Musanze and Burera Districts, many part of Nyaruguru, central part of Nyamagabe, northern parts of Gakenke and Gicumbi, northern and western parts of Muhanga and western parts of Ruhango and Nyanza Districts. Rainfall ranging between 50 and 100 mm is the lowest expected in Kirehe, many parts of Ngoma and Kayonza, southern parts of Bugesera and Rwamagana and eastern parts of Nyagatare and Gatsibo Districts. The remaining parts of the country is expected to receive rainfall ranging between 100 and 200 mm.

### **2. Wind Speed forecast**

The wind speed distribution indicated by the map for the month of May 2024 shows that moderate to strong wind speed ranging between 6m/s and 8m/s (yellow colour) is expected over the Districts of Rusizi, Nyamasheke, Karongi, Rutsiro, Rubavu and Nyagatare , and over many parts of Nyamagabe, Gatsibo and Gicumbi Districts, western parts of Nyanza, Ngororero and Nyabihu and localized parts of Burera, and Kirehe Districts. Moderate wind speed ranging between 4 and 6 m/s (green colour) is expected in the remaining parts of the country.

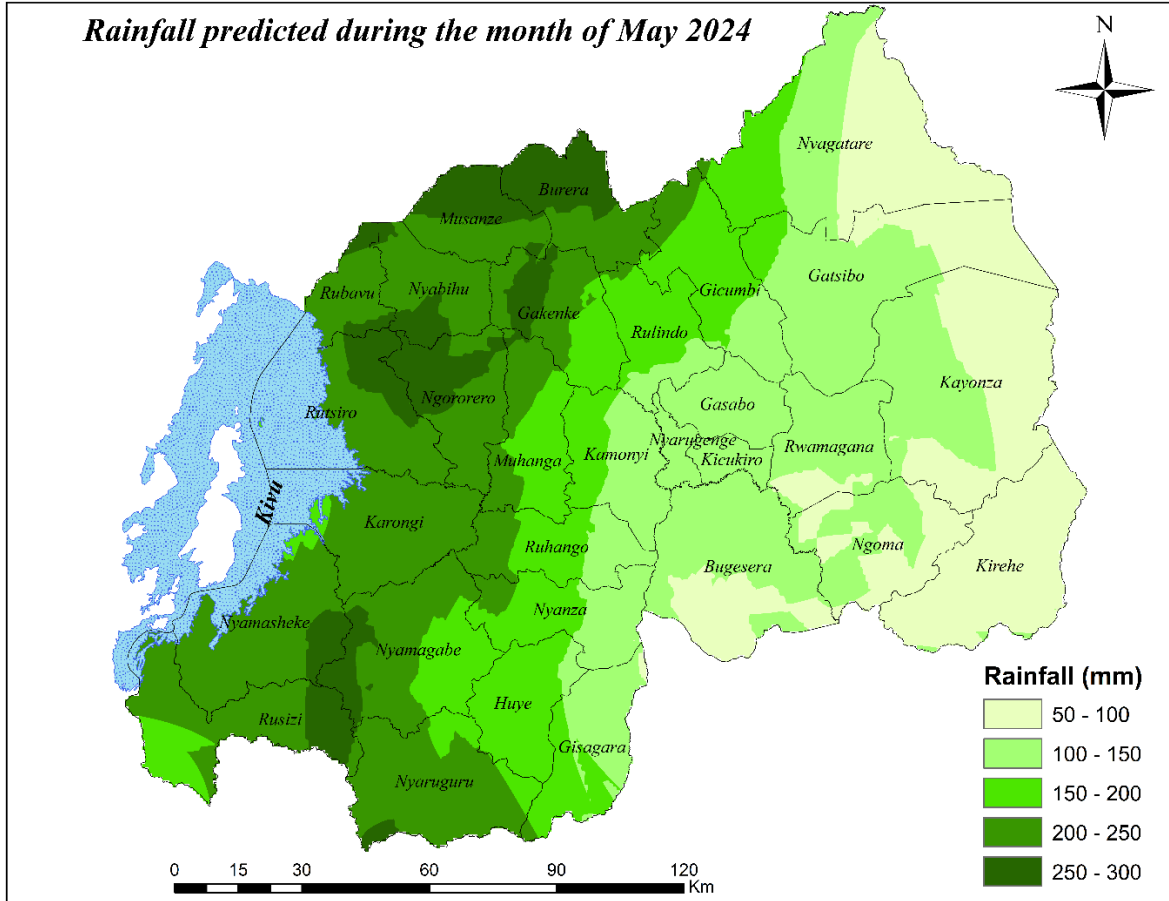
### **3. Temperature forecast**

During the month of May 2024, the mean maximum temperature is expected to range between 18°C and 28°C which is in the rage of LTM temperature of May. Temperature ranging between 26°C and 28°C is the highest expected in the month of May 2024 over Many parts of Kigali city, Eastern Province, Southern Province except Nyamagabe and Nyaruguru Districts and southern parts of Rusizi District. The lowest maximum temperature is expected to range between 18°C and 20°C over northern parts of Nyabihu and Musanze Districts.

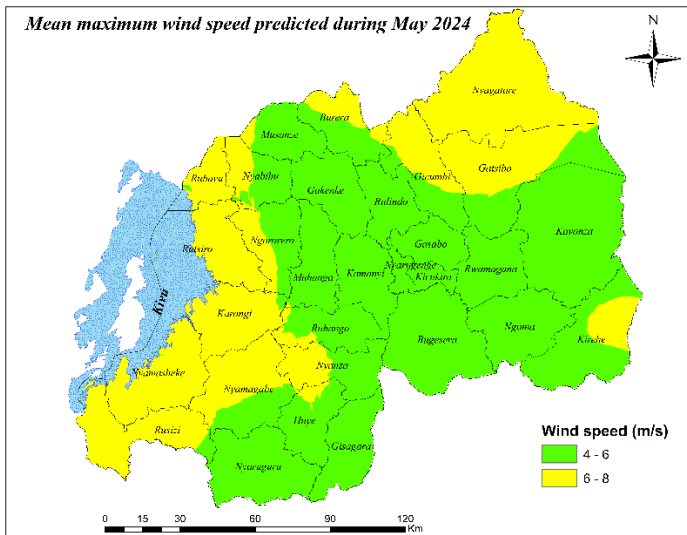
For more spatial details of rainfall, maximum temperature and wind speed distribution, please do refer to the following maps below.



Rainfall predicted during the month of May 2024



Mean maximum wind speed predicted during May 2024



Mean maximum temperature predicted during May 2024

