



**ISO 9001:2015 CERTIFIED**

**Kigali, 29 September 2021**

## **Weather Forecast for the month of October 2021**

### **1. Executive summary**

During the month of October 2021, wet conditions are expected over most parts of the country especially in from 1<sup>st</sup> to 15<sup>th</sup>. Moderate to heavy rainfall ranging between 100mm and 300 mm is expected across the country. Western and Northern Provinces and parts of Nyungwe National Park are expected to receive enhanced rainfall than the rest of the country. Countrywide, enhanced rainfall is expected between 1<sup>st</sup> and 15<sup>th</sup> October 2021 with tendency to reduce in the remaining days month. Expected rainfall will be above the range of Long Term Mean over most parts of the country. Moderate to strong wind ranging between 4 and 12 m/s is expected in the country with medium impacts in areas of Western Province, Kirehe, Rwamagana, Gatsibo and Nyagatare districts, and in localized parts of Kigali City and Northern Province strong wind is expected. Temperature is expected to range between 20 °C and 32 °C countrywide which is slightly high compare to long-term mean.

Likely impacts associated with heavy rainfall and strong wind such as localized floods and landslides, localized damage to infrastructure and crops, poor visibility and roofs being blown off are expected in the potential areas mentioned above.

### **Forecast of rainfall**

Rainfall ranging between 250 and 300 mm is expected over Nyamasheke district, northern parts of Rusizi, Rutsiro and Burera, and western Nyabihu. Rainfall ranging between 220 and 250 mm is expected over Eastern parts of Western Province, Musanze district, remaining parts of Burera and Rusizi and the most parts of Nyungwe National Park in Southern Province. Rainfall ranging between 190 and 220 mm is expected in most parts of Northern Province, remaining parts of Nyamagabe, central parts of Nyaruguru and Gicumbi, northern parts of Muhanga and Ruhango, and western parts of Nyagatare district. Rainfall ranging between 160 and 190 is expected in Kigali City, most parts of western parts of Southern Province, northern parts of Rwamagana and southern parts of Gicumbi while rainfall ranging between 130 and 160 mm expected over most parts of Amayaga region and in most parts of Eastern Province. Rainfall ranging between 100 and 130 is expected in eastern Kirehe, most parts of Akagera National Park in which covers eastern parts of Kayonza, Gatsibo and Nyagatare districts.

### **1. Forecast of wind Speed**

During the month of October 2021, moderate to strong winds ranging between 4m/s and 12m/s is expected across the country. Strong wind is expected especially over Western Province, most parts of Southern Province and Kirehe district. It is also expected in Musanze, Burera, Rwamagana, Bugesera, Gatsibo and Nyagatare districts, southern parts of Gakenke and central parts of Gicumbi and in northern parts of Nyarugenge and Gasabo in Kigali City while moderate wind is expected in remaining parts of the country.

### **2. Forecast of maximum temperature**



During the month of October 2021, the temperature is expected to be above the long term mean of October countrywide. Expected Temperature will range between 20° C and 32° C. Eastern Province, Kigali City, Kamonyi district and Bugarama valley in Rusizi districts are expected to receive higher temperature ranging between 30 and 32 ° C while most of Northern Province, Nyabihu and most of Ngororero, eastern parts of Rubavu and Rutsiro, southern parts of Karongi district and areas of Nyungwe National Park are expected to receive low temperature ranging between 20 and 22 ° C.

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

