



Kigali, 30<sup>th</sup> April 2022

**Weather Forecast valid from 1<sup>st</sup> to 10<sup>th</sup> May 2022**

- 1. Rainfall forecast:** During the first (1<sup>st</sup>) dekad of May 2022, rainfall ranging between 20 and 120 mm is expected across the country. The amount of rainfall expected will decrease compared to the previous dekad (3<sup>rd</sup> dekad of April 2022) across the country. Cumulative rainfall ranging between 100 and 120 mm is the highest in the dekad and is expected over most parts of Rubavu, Rutsiro, Nyabihu, Musanze, Burera and northern parts of Gakenke and Rulindo Districts. The remaining parts of Northern and Western Provinces including western parts of Nyagatare, Nyaruguru, Nyamagabe, northern parts of Muhanga are expected to receive rainfall ranging between 80 and 100mm. Rainfall ranging between 20 and 40 mm is the lowest amount expected during the forecasting period and is expected over eastern parts of Nyagatare, Gatsibo, Kayonza and Kirehe districts. Others remaining parts of Eastern Province and some areas of Amayaga region are expected to receive rainfall ranging between 40 and 60 mm.

The expected rainfall will be above the range of Long-Term Mean (LTM) over Northern and Western Provinces and will be in the range of LTM in the remaining parts of the country (The range of LTM varies between 30 and 70mm). Rainy days are also expected to decrease compare to previous dekad and is expected to vary between three (3) and six (6) days during the dekad. Significant rainfall is expected during the start of the dekad on 3<sup>rd</sup>, 6<sup>th</sup>, and 7<sup>th</sup> respectively. The predicted rainfall will be associated with thunderstorms which will result from the position of Inter-Tropical Convergence Zone (ITCZ) that is overhead the region and the influence by the local factors.

- 2. Forecast of winds speed:** Strong winds ranging between 6 and 8 m/s is expected over North eastern parts of the country in the Districts of Nyagatare and Gatsibo, and most parts of Western Province in the Districts of Rusizi, Nyamasheke, Karongi, Rutsiro, Rubavu and western parts of Nyabihu, and Nyamagabe. Moderate wind ranging between 4 and 6 m/s is expected over the remaining parts of the country.
- 3. Temperature forecast:** during the first dekad of May 2022, the temperature is expected to range between 18°C and 28°C. Isolated parts of Kigali City, Bugarama plain, Amayaga region Bugesera and Ngoma Districts are expected to experience higher temperature during the dekad ranging between 26°C and 28°C while remaining parts of Kigali, Eastern Province, Rusizi, Nyamasheke and Karongi District along Lake Kivu and Southern Province except Nyamagabe, Nyaruguru Districts, western parts of Huye northern and southern parts of Muhanga will experience temperature ranging between 24°C and 26°C. Northern parts of Northern Province along Volcano National Park, western parts of Nyabihu and Ngororero, eastern parts of Rubavu District are expected to experience lower temperature during the dekad ranging between 18°C and 20°C. The expected temperature will be in the range of Long Term Mean of May dekad 1 in many parts of the country.

**Expected impact:** Impacts associated with heavy rain, thunderstorms and winds such as flooding on road surfaces, localized agricultural areas, flood-prone areas, slippery roads and poor visibility during rainstorms may lead to poor movement of vehicles, landslides in areas of high slopes, roof tops blowing off, falling of leaves and small branches, and damages caused by lightning and thunders are likely to occur and mitigation measures should be put in place.



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

