



Weather Forecast for 1st to 10th November 2021

1. Executive summary

Scattered enhanced rainfall above 120 mm is expected in ten days in most parts of Western Province and some parts of Northern and Southern Provinces. Moderate rainfall is expected in most parts of Eastern and Southern provinces and Kigali city, the remaining parts located in Eastern and Southern provinces and Kigali city are expected to receive less rainfall between 20 and 40 mm in ten days. The expected rain is within six (6) first days of the dekad and a considerable reduction of rainfall is expected towards the end of the dekad. Strong winds with the speed ranging between 8m/s and 10m/s is expected in few parts of the country while most parts is expected to have moderate winds tending to strong wind with the speed ranging between 6 and 8 m/s. The mean maximum temperature for ten days will range between 17°C and 29°C depending on the location. The highest temperature expected is in the range of 26°C and 29°C in many parts of Kigali city, Eastern Province and Bugarama plain.

Relevant authorities are advised to put in place prevention and mitigation strategies to minimize the impacts related to mention weather phenomenon.

2. Forecast of rainfall

Cumulative rainfall ranging between 20 and 160 mm is expected across the country during the first dekad of November 2021. Enhanced rainfall ranging between 120 and 160 mm is expected in Western Province, in Musanze, Burera, Nyamagabe and Nyaruguru districts. Moderate rainfall ranging between 60 and 120 mm is expected in remaining parts of districts in the Northern Province, Southern Province except Amayaga region, Rwamagana and Ngoma districts and some parts of Nyagatare, Gatsibo, Kirehe and Bugesera. depressed and scattered rainfall ranging between 40 and 60 mm is expected in many parts of Eastern Province and Kigali City with few parts of Bugesera, Kigali, Kayonza. Gatsibo and Nyagatare are expected to receive less than 40mm. The rainfall is expected between 1st to 6th November and a considerable reduction is expected from 6th to the end of dekad. Rainy days will vary between 4 and 6 days in most parts of the country. The expected rainfall will be above the range of long term mean during the 1st dekad of November in Western, Northern Provinces and some parts of Southern Provinces, and below normal range in remaining parts.

The expected rainfall will be associated with thunderstorms and will result from overhead position of Inter Tropical Convergence Zone (ITCZ) within the region, which supports the enhancement of local effects.

3. Forecast of wind Speed

During the first dekad of November 2021, light to strong winds ranging between 2m/s and 10m/s is expected across the country. The distribution map below indicates strong wind ranging between 8m/s and 10m/s with the medium impact expected in some localized parts of Muhanga, Kamonyi, Gakenke, Rulindo, Bugesera, Kirehe, Rusizi, Nyamagabe and Nyanza Districts. Moderate wind ranging between 4m/s and 8m/s with minimal impacts are expected in the remaining parts of the country.

4. Forecast of maximum temperature

The expected maximum temperature during first dekad of November will range between 17°C and 29°C across the country. Higher values will range between 26°C and 29°C in Bugarama plain, Kigali city and many parts of Eastern Province. The areas expected to experience lower values of maximum temperature ranging between 17°C and 20°C include northern parts of Musanze, eastern parts of Rubavu and Rutsiro, western



parts of Nyabihu and Ngororero districts and some localized areas of Nyungwe National Park. The expected temperature is slightly below the range of long term average across the country.

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

