



Weather Forecast for 11th to 20th October 2021

1. Executive summary

Moderate rainfall slightly above the range of long term mean is expected in many parts of Northern and Western Provinces while light to moderate rainfall is expected in the remaining parts of the country during the second dekad of October 2021. Cumulative rainfall ranging between 70 and 100 mm is expected in Western Province, many parts of Northern Province and some parts of Nyamagabe and Nyaruguru districts. Depressed rainfall ranging between 20 and 30 mm is expected in extreme north eastern and south eastern parts of Eastern Province. The mean maximum temperature for ten days will range between 18°C and 32°C depending on the location. The highest temperature is expected to range between 30°C and 32°C in some localized parts of Kigali city, Eastern Province and Bugarama plain. Moderate to strong wind speed ranging between 4m/s and 12m/s is expected across the country.

1. Forecast of rainfall

Cumulative rainfall expected during the second dekad of October 2021 will range between 20 and 100 mm across the country. Moderate rainfall ranging between 80 and 100 mm is expected in Musanze, Burera, Rubavu and Nyamasheke districts, northern parts of Rutsiro and Rusizi districts, southern parts of Karongi and western parts of Nyamagabe and Nyaruguru districts. Moderate rainfall ranging between 70 and 80 mm is expected in Nyabihu and Ngororero districts, remaining parts of Rusizi, Rutsiro, Karongi and Nyamagabe districts, northern parts of Gakenke, Rulindo and Gicumbi districts and central part of Nyaruguru. Less amount of cumulative rainfall ranging between 20 and 40 mm is expected in many parts of Eastern Province and Amayaga region. The remaining parts of the country is expected to receive rainfall ranging from 30 mm to 60 mm. Rainfall is expected on 11th, 14th, 15th and towards the end of the dekad. Rainy days will vary between 4 and 8 days and will decrease from West to East. The expected rainfall will be slightly above the long term mean during the first dekad of October in Northern and Western Provinces and normal range in the other parts (the normal range for second dekad of October varies between 10 and 70 mm). The expected rainfall will be associated with thunderstorms and localized strong winds and will result from overhead position of Inter Tropical Convergence Zone (ITCZ) within the region, which supports enhancement of local weather patterns.

2. Forecast of maximum temperature

The expected maximum temperature during second dekad of October will range between 18°C and 32°C across the country. Higher values of maximum temperature will range between 30°C and 32°C and are expected in Bugarama plain, some parts of Kigali city and some localized areas of Eastern Province. The areas expected to experience lower values of maximum temperature ranging between 18°C and 22°C including northern parts of Burera, Musanze, eastern parts of Rubavu, Rutsiro, western parts of Nyabihu and Ngororero. The expected temperature is in the range of long term average across the country.



3. Forecast of wind Speed

During the second dekad of October 2021, moderate to strong winds ranging between 4m/s and 12m/s is expected across the country. The distribution map below indicates strong wind ranging between 8m/s and 12m/s with the medium impact expected in many parts of Western Province, some parts of Nyanza, Huye, Nyaruguru, Kirehe and Kayonza districts. Moderate wind with low risk ranging between 4m/s and 8m/s is expected in the remaining parts of the country. Mitigation measure are advised in area of moderate to strong wind. For more details on spatial distribution of rainfall, maximum temperature and wind speed, refer to the maps below.

