



Weather Forecast for 11th to 20th December 2021

1. Executive summary

Rainfall ranging between 20 and 80 mm is expected in the next ten days which is in normal range of rainfall of December dekad two. Moderate rainfall ranging between 60 and 80 mm is expected in south western and north western parts of the country while depressed rainfall ranging between 20 and 30 mm is expected in many parts of Eastern Province, Kigali city and Kamonyi district. Rainfall ranging between 40 and 60 mm is expected in Northern Province, many parts of Southern Province and few parts Eastern Province. Rainy days are expected to vary between three (3) and five (5) mostly on 11th and from 16th towards the end of the forecasting period. Wind speed ranging between 3m/s and 10m/s is expected across the country.

The mean maximum temperature for ten days will range between 17°C and 30°C depending on the location. The highest temperature expected is in the range of 27°C and 30°C in many parts of Kigali city, few parts of Eastern Province and Bugarama plain.

2. Forecast of rainfall

Cumulative rainfall ranging between 20 and 80 mm is expected across the country during the second dekad of December 2021. Rusizi district and western parts of Nyaruguru and Nyamagabe districts located in Nyungwe National Park are expected to receive rainfall ranging between 70 and 80 mm, the highest amount compared to remaining parts of the country. Rainfall ranging between 50 and 70 mm is expected in remaining districts of Western Province, remaining parts of Nyamagabe and Nyaruguru districts, many parts of Huye, Musanze, Burera districts, northern part of Gicumbi and Gakenke districts and western parts of Nyagatare, Gisagara and Nyanza districts. Rainfall ranging between 30 and 50 mm is expected in remaining parts of Northern Province, Southern Province except Kamonyi districts, central parts of Nyagatare towards west, western parts of Gatsibo and south western parts of Kirehe and Ngoma districts. Rainfall ranging between 20 and 30 mm (less compared to other parts) is expected in Kigali City, Kamonyi district and remaining parts of Eastern Province.

Rainy days are expected to vary between three and five days on 11th day of December and from 16th toward the end of the forecasting period. The expected rainfall will be in the range of long term mean of 2nd dekad of December in most parts of the country. The expected rainfall will be associated with thunderstorms and will result from southward migration of Inter Tropical Convergence Zone (ITCZ) within the region, which supports the enhancement of local effects in southern parts of the country.

3. Forecast of maximum temperature

The expected maximum temperature during second dekad of December will range between 17°C and 30°C across the country. Higher values will range between 27°C and 30°C in Bugarama plain, Bugesera and Ngoma districts, many parts of Kigali city and few parts of Kayonza, Gatsibo and Nyagatare districts. The areas expected to experience lower values of maximum temperature ranging between 17°C and 19°C include northern parts of Musanze and Nyabihu districts. The expected temperature is in the range of long term average across the country.



4. Forecast of wind Speed

The distribution map below indicates strong wind ranging between 6m/s and 10m/s in many parts of Southern Province, Western Province, south east and few parts on Northern Province. Moderate wind ranging between 3m/s and 6m/s is expected in the remaining parts of the country.

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

