



Kigali, 1st May 2023

Weather forecast valid from 1st to 10th May 2023

1. **Rainfall forecast:** During the first (1st) dekad of May 2023, rainfall ranging between 30 and 130 mm is expected across the country. An increased rainfall compared to previous dekad (3rd dekad of April) is expected with four (4) days wetter conditions expected in many parts of the country from 1st May to 4th May 2023. The expected rainfall amount will be above the range of Long-Term Mean (LTM) across the country (The range of LTM varies between 10 and 100 mm). Rainy days are expected to vary between five (5) and eight (8) days. Heavy rains are expected in first five days (from 1st to 5th May 2023) and a slight reduction is expected in the second half of the dekad (from 6th up to 10th). The main drivers are the above normal conditions of Sea Surface Temperature (SST) in both Indian and Pacific Oceans.

Spatial distribution of rainfall is expected as follow: Rainfall ranging between 110 and 130 mm is expected in parts of Rusizi, Nyamasheke, Karongi, Rutsiro, Ngororero, Rubavu, Nyabihu, Gakenke, Musanze, Burera, Gicumbi, western parts of Nyagatare and southern parts of Kirehe. Rainfall ranging between 90 and 110 mm is expected in the remaining parts of Western Province, Northern Province, western parts of Muhanga, Ruhango, Nyanza, Nyamagabe, Nyaruguru, Nyagatare and parts of Kirehe towards Ngoma Districts. The rainfall ranging between 30 and 50 mm is the lowest amount expected over few parts of Nyagatare, Gatsibo and Kayonza. The rest of the country are expected to record rainfall ranging between 50 and 90 mm as per the map below.

Expected Impacts: Impacts associated with heavy and accumulated rain are expected across the dekad (not only in first day when heavy rains are expected but also in second half of the dekad due to accumulation). Likely impacts are flooding on road surfaces, in localized agricultural areas, flood-prone areas, slippery roads and poor visibility during rainstorms, soil erosion and landslides in areas of high slopes and mitigation measures should be put in place by relevant institutions and others.

2. **Forecast of wind speed:** Moderate to slightly strong wind speed ranging between 4 and 8 m/s is expected across the country. Slightly strong wind speed ranging between 6 and 8 m/s (yellow colour) is expected over few parts of Nyagatare, Gatsibo, Karongi, Rutsiro and Rusizi Districts. The rest parts of the country are expected to experience moderate wind speed ranging between 4 and 6 m/s (green colour).
3. **Temperature forecast:** During the first (1st) dekad of May 2023, the average maximum temperature is expected to range between 18°C and 28°C. A reduction of temperature is expected due to the wet spell predicted during the dekad. Bugarama plain is expected will experience higher maximum temperature ranging between 26°C and 28°C. The parts of Nyungwe National Park located in western parts of Nyamagabe and Nyaruguru and eastern parts of Rusizi and Nyamasheke, western parts of Ngororero and Nyabihu, eastern parts of Rutsiro and Rubavu and northern parts of Burera, Gicumbi and Musanze Districts are expected to experience lower maximum temperatures ranging between 18°C and 20°C.



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

