



Kigali, 20th March 2024

Weather forecast valid between 21st and 31st March 2024

1. **Rainfall forecast:** During the third (3rd) dekad of March 2024, wetter conditions are expected across the country which present improved rainfall activities compared to previous dekad. The amount of rainfall ranging between 20 and 150 mm is expected across the country. The expected rainfall amount will be above the range of Long-Term Mean (LTM) across the country during third dekad of March (The range of LTM varies between 30 and 90 mm). Rainy days are expected to vary between three (3) and seven (7) days across the country. Rainy dates will vary according to different parts of the country on the following dates 23rd, 24th, 27th and 28th in Eastern parts of the country and Kigali City while the remaining parts of the country will receive rainfall on 22nd, 23rd, 24th, 25th, 26th, 27th, 28th and 29th. The rainfall will be influenced by the Warming in Indian Ocean and moderated by local factors.

Spatial distribution of rainfall: Rainfall ranging between 120 and 150 mm is the highest expected during the dekad over many parts of Nyamasheke, Rutsiro and Rubavu Districts, eastern parts of Rusizi, western parts of Nyamagabe, Ngororero, Nyabihu and localized parts of Musanze District. The rest of Western Province and Musanze, many parts of Burera, northern parts of Gakenke and western parts of Nyaruguru and Nyamagabe are expected to record rainfall ranging between 100 and 120 mm. Many parts of Southern province and the rest of Northern Province are expected to receive rainfall ranging between 80 and 100 mm except many parts of Kamonyi, southern parts of Gicumbi and Amayaga region where rainfall ranging between 60 and 80 mm is expected. Eastern Province and Kigali city are expected to record rainfall ranging between 20 and 80 mm except localized parts of Rwamagana, Kayonza and Ngoma Districts where rainfall ranging between 80 and 100 is expected. The most eastern parts of Kayonza, Kirehe, Gatsibo and Nyagatare are expected to receive less rainfall compared to other parts of the country which will range between 20 and 40 mm.

2. **Forecast of wind speed:** Moderate to slightly strong wind speed ranging between 4 and 8 m/s is expected across the country. Moderate to slightly strong wind speed ranging between 6 and 8 m/s (yellow colour) is expected in many parts of Nyagatare, Gatsibo, Gicumbi, Kirehe, Karongi, Rusizi, Huye and localized parts of Kayonza, Ngoma, Rulindo, Musanze, Ruhango, Nyamagabe and Rutsiro Districts. The remaining parts of the country are expected to experience wind speed ranging between 4 and 6 m/s (green colour).
3. **Temperature forecast:** During the third (3rd) dekad of March 2024, a reduction of maximum temperature is expected countrywide compared to the previous dekad. The average maximum temperature is expected to range between 18°C and 28°C which is in the range of LTM maximum temperature of third (3rd) dekad of March. Many parts of Kigali City, Eastern Province, Amayaga and Rusizi District are expected to experience higher maximum temperature ranging between 26°C and 28°C. Northern parts Nyabihu and northern Musanze Districts are expected to experience lower maximum temperatures ranging between 18°C and 20°C.

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

