



Weather Forecast for the month of March 2024

1. Rainfall forecast

During the month of March 2024, the amount of rainfall ranging between 100 and 250 mm is expected across the country. The expected rainfall in the month of March 2024 will be slightly above the range of Long-Term Mean (LTM) in Kigali City, Eastern Province, in Gicumbi and Rulindo Districts. The expected rainfall will be in the range rainfall of LTM in the remaining parts of the country. The first dekad of March is expected to record slightly above the LTM in many parts of the country, the second dekad is expected to record rainfall in the range of LTM while the third Dekad is expected to receive rainfall above the range of LTM. The main drivers are neutral phase of Indian Ocean Dipole (IOD) and persistence of El Nino conditions in Pacific Ocean.

The spatial distribution map shows expected higher amount of rainfall ranging between 220 and 250 mm over eastern parts of Rusizi and south eastern parts of Nyamasheke and south western parts of Nyamagabe and Nyaruguru Districts. Rainfall ranging between 190 and 220mm is expected in remaining parts of Western Province, remaining parts of Nyamagabe and Nyaruguru Districts, western parts of Nyanza and Huye Districts and in northern parts of Musanze and Burera Districts. Rainfall ranging between 100 and 130 mm is the lowest expected in many parts of Nyagatare, Gatsibo and Kayonza Districts. The remaining parts of the country is expected to receive rainfall ranging between 130 and 190 mm.

2. Wind Speed forecast

The wind speed distribution indicated by the map for the month of March 2024 shows that moderate to strong wind speed ranging between 6m/s and 8m/s (yellow colour) is expected over most parts of the country except in many parts of Gakenke, Rulindo, Ngoma, Nyaruguru, southern parts of Gisagara, eastern parts of Bugesera and western parts of Kirehe Districts where moderate wind speed ranging between 4 and 6 m/s is expected (green colour).

3. Temperature forecast

During the month of March 2024, the mean maximum temperature is expected to range between 20°C and 30°C. Temperature ranging between 20°C and 30°C is the highest expected in the month of March 2024 over Many parts of Kigali City, Bugesera, Amayaga, Bugarama, western parts of Ngoma and Rwamagana and eastern parts of Nyagatare and Gatsibo Districts. The lowest maximum temperature is expected to range between 20°C and 22°C in northern parts of Nyabihu and Musanze Districts and western parts of Nyamagabe Districts. The expected temperature will be above the range of Long-Term Mean maximum temperature for the month of March.

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

