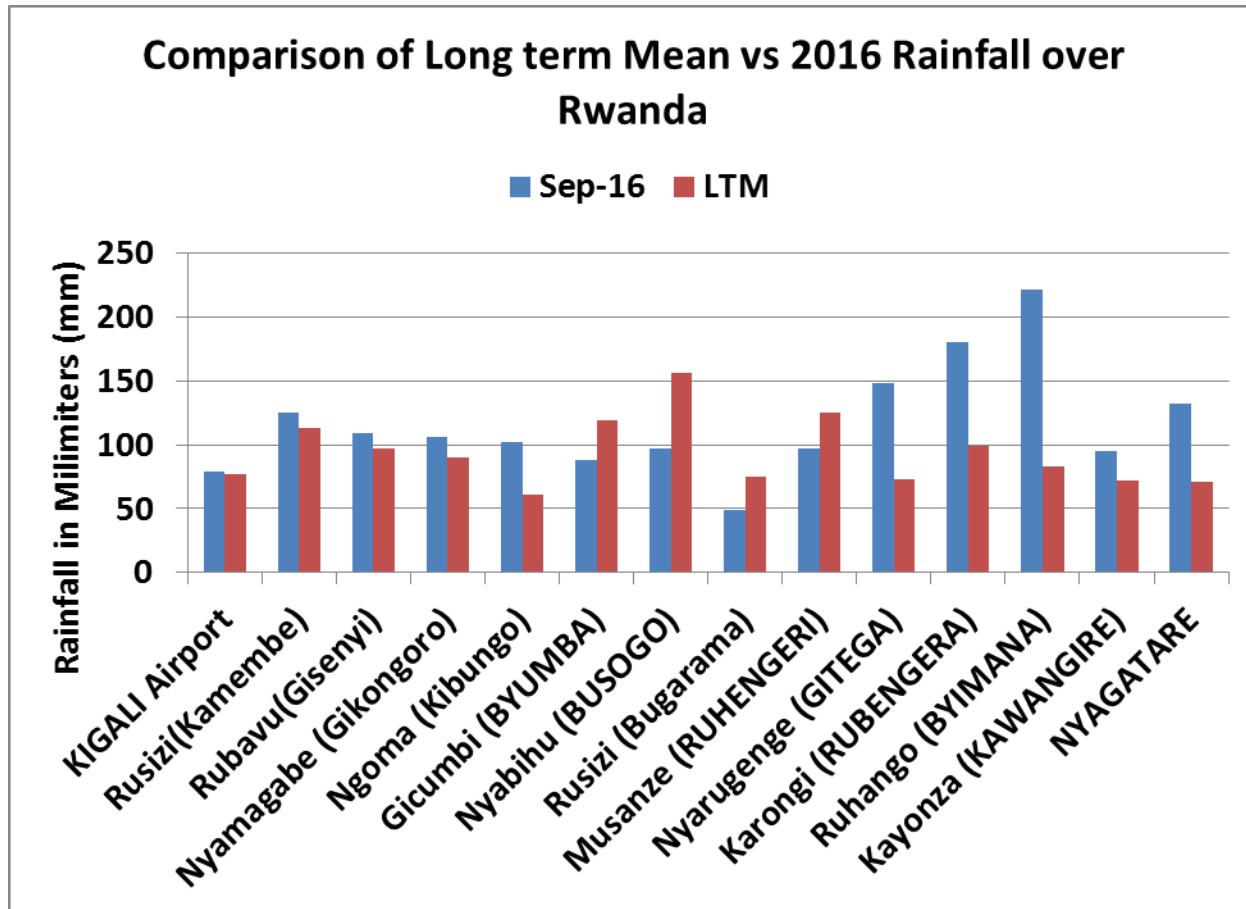




## Comparison of Rainfall performance during September 2016 and Long term mean of the country



- REVIEW OF THE WEATHER DURING SEPTEMBER 2016**

Most parts of the country were generally cool and wet during September 2016. Several parts of southern province recorded substantial amounts of rainfall that was, however, the intensification of rainfall at most stations as compared to the September Long-Term Means (LTMs). Byimana and Rubengera were the only stations in the region that recorded highest amount of rainfall.

- PREVAILING SYNOPTIC CONDITIONS DURING SEPTEMBER 2016**

During the month of September 2016, cooler than average Sea Surface Temperatures (SSTs) prevailed over western equatorial Indian Ocean (adjacent to the East African coast). A persistent and strong negative phase of the Indian Ocean Dipole (IOD). Temperatures in the central tropical Pacific Ocean continue to be below average, but remain El Niño-Southern Oscillation (ENSO) neutral. Most international climate models surveyed indicate the Pacific is likely to remain at ENSO neutral levels through to the end of 2016.

The St. Helena high-pressure system remained moderately strong. The Mascarene high-pressure system and the Eastern Africa high-pressure ridge were weaker than average for



most of the month. The Meridional (North-south) arm of the Inter-Tropical Convergence Zone (ITCZ) was mainly over the central parts of Africa, while the zonal arm was mainly situated in N E of East Africa, The Congo Air mass which is a major driver of our climate mainly affected the current weather situation.

- **WEATHER OUTLOOK FOR OCTOBER 2016**

The forecast indicates that most parts of the country are likely to experience near-average to (enhanced) rainfall during the first 10 days of October.

The rest 20 days are expected to receive near-average rainfall over the some part of the Northern region, South western region and western regions while the Southern region, Central part and Eastern region are expected to experience below-average (highly depressed) rainfall during the second (2<sup>nd</sup>) and third (3<sup>rd</sup>) dekad.

**N.B** This outlook is supplimented by daily updates of different timescales (24-hours, 3-days, 5-days and 10-days forecasts) and advisories issued by Rwanda Meteorology Agency.

Done on 4<sup>th</sup> September, 2016.