

**ASSESSMENT OF PUBLIC TRANSPORT SUPPLY FOR KIGALI, RWANDA**

**BY**

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## **Abstract**

The study “assessment of public transport supply for Kigali, Rwanda” was aimed at making an assessment of transport supply for Kigali city, Rwanda. The study was guided by the following objectives; to identify the core transport infrastructural bottlenecks in Rwanda especially in Kigali city, assess the transport supply needs in terms of transport infrastructure and service needs, the demand, the required investments, prioritized investment action plan and also the possible financing options in urban areas and identify intervention strategies necessary for the improvement of transport supply in Kigali city.

A cross sectional design was used in the study for quantitative and qualitative analysis on a sample of 100 respondents. Data was collected by use of questionnaire and interview guide. Data was analysed quantitatively and qualitatively. Quantitative data was analysed using the Statistical Package for Social Scientists 16.0 (SPSS) program calculate measures of tendency and dispersion that is the mean and standard deviation for testing the hypotheses. Qualitative data was interpreted by composing explanations and substantiating them using the respondents open responses.

The results indicated that, the current public transport in Kigali can serve up to 65% of the potential demand, regardless of the distance required to reach the bus stops. However, only 37% of the demand is adequately served, in case both spatial and temporal aspects of service supply are considered.

This low service performance is due to the deficiencies of public transport route network and the service capacity constraints. Along these, we identified these deficiencies, and the study proposed also suitable roads for network expansion, and priority routes to be allocated more service capacity. Moreover, we advocate different subjects to be explored for further researches, with respect to the improvement of Kigali public transport system.