

# Need of an Integration of Public Transport Terminals for Overall Efficiency of Transport Network in Pettah and Fort

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**Abstract:** The four Public transport terminals located at Fort and Pettah are the main terminals in the capital city of Colombo that facilitate the public transport needs. The Central Bus terminal and the Railway terminal are located in Pettah and Fort area without having good interconnections at present to satisfy the modern public passenger requirements. Three bus terminals namely Gunasinghepura, Bastian Mawatha and Central Bus Stands are located at three different locations. The three bus terminals, intra-provincial roadside bus stops, the Fort Railway Station and paratransits are not integrated as the Main Transport Hub in Colombo. Therefore, there are large pedestrian flows take place between three bus terminals and the Fort Railway Station along and across the main road network. These excessive pedestrian flows always result road traffic congestion as well as the safety issues for the road users in the locality.

This research paper is an attempt to forecast the travel behaviour of the public transport passengers who use the Pettah and Fort Public Transport terminals at present under the present layout arrangements. The impact from the passenger transfers between bus and railway terminal is the main focus among the outcomes of the analysis. The level of the road traffic congestion due to the negative impact from non integration of the public transport terminals are discussed in the analysis. The research will also focus for alternative solutions and the importance of integration of public transport terminals at Pettah and Fort for better attraction and better utilization of these utilities in the central transport hub of Colombo.

**Keywords:** Public Transport, Transport Terminals, Pedestrian Flow, Facility Integration, Pedestrians