

**C-43: Operational requirements for a park and ride service for Colombo**

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Recent surveys indicate that peak period travel on the main arteries to the city, such as on Galle Road is around 14 km/h. The ability of the road system to handle increase in demand is clearly limited. There is now the need to investigate the operation of a Park and Ride (PNR) System.

It has been observed that 127,000 private vehicle trips are made into the CMC limits. The areas such as Fort, Pettah, Slave Island, Town Hall and Kollupitiya may be considered as the Central Business District (CBD) of Colombo.

The analysis of the survey data shows that the CBD, accounts for nearly 50% of all trips made into the city. In terms of entry points, the interviews revealed that they are generally well distributed, with approximately one fifth of all employees being resident within the city and the others entering almost in equal terms from the 4 major points of entry.

Any of these 4 major points of entry could be chosen for a PNR operation. The results when cross-checked with a stated preference survey which allowed the motorists to rank alternatives to travel by car showed on a preferential scale of 10, a rank of over 5 for a PNR Service. The road network in CBD is sufficiently dense to provide access by a good bus service. A PNR service should concentrate on servicing the CBD as a first step.

Operationally, 750 vehicles per day per site may be expected. The number of passengers may be estimated around 2,000 per day. A frequency of 2 min may be maintained for deploying 14 seater coaches during the peak period.