

## **A STUDY ON TECHNICAL ASPECTS OF PROPOSED MASS RAPID TRANSIT SYSTEM FOR HYDERABAD METRO**

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### **Abstract**

Travel demand has been rising due to increasing economic activities and desire for higher mobility that has been boosted by the technological innovations related to transport modes resulting in affordability of personal transport to a larger segment of society and changing the cultural values. The increasing pressure of the burgeoning population is putting Hyderabad's Transportation System under constant pressure. Rapid expansion of Hyderabad over the last few decades along the changing travel patterns have led to increased congestion, longer time travel, and increased pollution. The need of the hour is a robust system that is dependable, comfortable, affordable and sustainable. The answer lies in Mass Rapid Transit System (MRTS). In this paper technical aspect of the MRTS for the proposed Hyderabad Metro is analyzed through a step wise research process to achieve the efficiency in terms of energy consumption, space occupancy and the commuters.

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