

## ***Building Services coordination for the Metro station design***

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### **ABSTRACT**

In most of the countries, Implementation of mass rapid transit system has been a story of evolutionary changes with new transport development replacing the old transport system response to perceived socio-economic needs of the people. The construction of metro stations are now considerably increasing as they contribute to a greater extend for the development of a country's infrastructure thereby reducing the traffic congestion on roads, helping in reducing the accident rates, reducing the travel time and so on. This research will be looking into the details of the **Building services provided for the metro stations** as well as **how the building services is being coordinated for the successful designing of an metro station;** that is between different system like Architectural, Structural, Mechanical, Electrical, Fire service system, Station Operational Systems, Communication Systems (Passenger & Staff system), communications (Distribution systems); related to station requires a varied number of the departments to collaborate and coordinate with each other, it becomes necessity to actually go through the process in a very systematic and organized manner. And this is the state where the Service Coordination (Interface) comes into the picture. The interface happens in a series of stages in the designing of the station. It depends on the smartness of the interface coordinator (the architect) to accommodate and to understand the requirements of each department flexibly in such a way that the without any conflicts of risk or faults, the design is efficiently completed, executed, operated and maintained on the site.

***Key Words:*** *Metro station, Service spaces, Building Services, Service coordination.*