

TECHNICAL HURDLES OF IMPLEMENTING INFRASTRUCTURE PROJECTS

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ABSTRACT

The current infrastructure scenario boasts of fast-track projects, many of which are in the process of being constructed with still others in the pipeline. While they are indicators of urban development and progress, they are not without their attendant ills: ugly dug-up trenches, diminished road-widths, crawling traffic, frequent bottle-necks, short-tempered commuters, etc.

More often than not the implant of an infrastructure project in an urban landscape is in the nature of a fire-fighting exercise facilitating pedestrian cross-over at one intersection or removing vehicular congestion at another or providing a signal-free stretch elsewhere. Symptomatic solutions such as these however, pose technical hurdles that include construction technology, land acquisition, traffic diversions and disturbances, effect on environment, to name a few.

This paper highlights the technical hurdles that challenge the implementation of infrastructure projects.

Construction of transportation infrastructure structures like flyovers, viaducts, underpasses, tunnels, etc in urban situation poses many technical hurdles. Unfortunately, infrastructure requirements are or should be proportionate to the population residing in the area and hence more and more problems arise because of the existence of already built-up and congested areas where the structures have to be implemented.