

ASSESSMENT OF ENERGY CONSUMPTION DUE TO CLUSTER REDEVELOPMENT

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ABSTRACT

Cluster Redevelopment is a new concept in the city of Mumbai and its regulations was laid down by the government in 2009. It involves redeveloping a group of buildings defined by a certain boundary as specified by the laws of the respective city, state, province or country which may be dilapidated or approved for redevelopment. How would this development affect energy consumption? This review attempts to review the methods and parameters to assess change in energy consumption due to Cluster Redevelopment.

In the present work, methods of assessment to determine increase or decrease in energy consumption in cluster redevelopment based on different criteria such as carpet area, building envelope and its architectural elements along with the present scenario of energy consumption are discussed. This paper also discusses techniques by which reduction in energy consumption can be achieved.

KEYWORDS: Cluster Redevelopment, Mumbai, Energy Consumption & Energy Efficiency

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