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An RC structure competitive analysis of with and without outrigger using steel bracing

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Tall building growth has been expanding at an alarming rate across the globe, posing new issues that must be addressed via engineering decisions. In the present analysis of work, an outrigger system is suggested in order to improve the performance of the structure when subjected to seismic stress. The modelling of the structure is carried out with the help of the "ETABS" software. Analysis of the model is carried out using two methods: the equivalent static approach and the response spectrum method. In order to provide stiffness against static and dynamic loads, the stiffness and efficiency characteristics of a structure are quantified in terms of lateral displacement, storey drift, base shear, and basic natural period for various kinds of structures.

Topics

[Spectral methods](#), [Engineers](#)

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