**Dynamic Response of High Rise Structures Under The Influence**  
**of Shear Walls**

**ABSTRACT**

This have a look at provides the technique for seismic overall performance estimation of excessive-rise homes primarily based on a concept of the capacity spectrum method. In 3D analytical version of thirty storied buildings were generated for symmetric homes Models and analyzed the usage of structural evaluation tool ETABS. The analytical model of the constructing includes all essential components that have an effect on the mass, power, stiffness and deformability of the shape. To study the effect of concrete core wall & shear wall at extraordinary positions for the duration of earthquake, seismic evaluation the use of both linear static, linear dynamic and non-linear static system has been finished. The deflections at every storey stage has been compared by using appearing Equivalent static, response spectrum approach in addition to pushover technique has also been carried out to determine potential, demand and performance level of the considered building fashions. From the underneath research it has been determined that non-linear pushover analysis provide excellent estimate of world as well as local inelastic deformation needs and also exhibits design weakness that could remain hidden in an elastic analysis and additionally the performance stage of the structure. Storey drifts are observed in the restrict as distinct by code (IS: 1893-2002) in Equivalent static, linear dynamic & nonlinear static evaluation.

**Keywords**: Shear Wall, Story Drift, Displacement, ETABS, High Rise Buildings.