**COMPARISON STUDY OF LATERAL LOAD RESISTING SYSTEMS OF MULTISTORIED BUILDING BY CONSIDERING HIGH SEISMIC ZONE**

**ABSTRACT**

From the traditional time we all know earthquake could be a disaster inflicting event. Recent days structures have become additional and additional slender and additional at risk of sway and thence dangerous within the earthquake. Researchers and engineers have discovered within the past to form the structures as earthquake resistant. Once several sensible studies it's shown that use of lateral load resisting systems within the building configuration has enormously improved performance of the structure in earthquake. In present research we've used sq. grid of 20m in every direction of 5m bay in every direction, software package used is ETABS nine.7.0, the work has been applied for the various cases exploitation shear wall and bracings for the various heights, most height thought of for the current study is 75m. The modeling is completed to look at the result completely different of various cases at the side of different heights on seismic parameters like base shear, lateral displacements and lateral drifts. The study has been applied for the Zone V and every one forms of soils as laid out in IS 1893-2002.

**Keywords:** clean Frame, Bracings, Shear Walls, Lateral Load Resisting Systems, Response Spectrum Method, Lateral Displacements, Drifts, Time Period, Base Shear, Seismic Zone, Soft soil