lateral load resisting system of building by using Different types of Bracings By ETABS

Nowadays, the building height is observed more and more slender, and more susceptible to sway and hence dangerous in the earthquake. Such type of the building can be strengthening by providing an appropriate lateral load resisting system. In the seismic design of the buildings, different types of bracings act as major earthquake resisting members. Bracings provide an efficient bracing system and offer great potential for lateral load resistance. In this study the (G+20) storey building was analyze with different bracings configuration. The modeling is done to examine the effect of different cases on seismic parameters like base shear, lateral displacements, lateral drifts and model time period for the zone-V in medium soil as specified in IS: 1893-2002.

**Keywords** — Structural wall, Shear wall, Lateral load resisting system, base shear, Lateral displacement, Storey drift, Time period, ETABS