

ABSTRACT

Structural Analysis is a branch which involves in the determination of behaviour of structures in order to predict the responses of different structural components due to effect of loads. Each and every structure will be subjected to either one or the groups of loads, the various kinds of loads normally considered are dead load, live load, earth quake load and wind load. ETABS (Extended Three-Dimensional Analysis of Building System) is a software which is incorporated with all the major analysis engines that is static, dynamic, Linear and non-linear, etc. and especially this Software is used to analyse and design the buildings. Our project “Structural Analysis of multi-storeyed building for different soil conditions”, using ETABS software. This is an attempt to analyse and design a commercial building using ETABS. A G+10 storey building is considered for this study. Analysis is carried out by static method and design is done as per IS 456:2000 guidelines for detailing of structures such as beams, columns, slabs etc.,