EFFECT OF WIND LOAD ON TALL BUILDINGS BY ETABS

Abstract

Wind is a perceptible natural motion of air relative to earth surface ,especially in the form of air current blowing in a particular direction. The major harmful aspect which concern to civil engineering structures is that, it will load any and every object that comes in its way. Wind blows with less speed in rough terrain and higher speed in smooth terrain . This paper presents displacement occur in different storey due to wind in different terrain category. Three models are analyze using ETABS 2015 package. Present works provides a good source of information about variation in deflection as height of model changes and percentage change in deflection of same model in different terrain category.

Keywords: TG-1, TG-2, TG-3, TG-4, ETABS 2015, Deflection, %age of deflection