**ABSTRACT**

Now a day’s many tall structures and high rise towers are being built all around the globe .Wind plays a critical position in design of tall structures because of its dynamic nature. The effect of wind is predominant on tall structures depending on location of the structure, height of the structure. In this paper equivalent static method is used for evaluation of wind loads on buildings with various ratios. The aspect ratio may be various with the aid of changing number of bays. Aspect ratio 1, 2, 3 were considered for present research. The analysis is accomplished the usage of STAAD PRO.