

# STUDY OF WIND FORCES ON TALL BUILDING

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## ABSTRACT

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The essential aim of the project is to provide the basic knowledge for those who want to make further study of wind forces on tall building, and should be of interest and value to those who want to know more about how the wind affected on tall building.

The specifications of this project consist of 3 analysis; Primary analysis is to showing how determine the overall wind load on building faces affected by varies angles of wind direction and also includes the procedure of determining the with force on tall building from basic wind velocity based on 10 stages of procedure which specified in BS 6399.

Secondary analysis is making a comparing between the wind forces acting on different shape of tall building under the same height and equal area of exposure external vertical wall.

Tertiary analysis consists of which the response of tall buildings deflection and angles of deflection due to the affected gust peak wind forces. The analysis are shown in (figure 8)

In the additional, this project is also show that how to construct the actual from of wind pressure with the effect of gustiness and the response of the building due to it own construction characteristic.