



Scienxt Journal of Architecture Engineering
Volume-2 || Issue-1 || Jan-Apr || Year-2024 || pp. 1-10

Retrofitting of delicate story working by utilizing different supporting framework because of tremor load

***¹Shatrughna Kumar, ²Kaushlendra Yadav, ³Md. Khusharuzzaman**

^{*1}Assistant Professor, Department of Civil Engineering, Bhopal Institute of Technology & Science Management, Bhojpur Road Bhopal, 462045 M.P. India

^{2,3}Student, Department of Civil Engineering, Bhopal Institute of Technology & Science Management, Bhojpur Road Bhopal, 462045 M.P. India

**Corresponding Author: Shatrughna Kumar
Email: bitscivilhod2023@gmail.com*

Abstract:

In this exploration, one private structure of delicate story arranged at Seremban, Negeri Sembilan is chosen. SAP 2000 which is primary investigation programming is being utilized to decide the most extreme relocation and base shear of the delicate story. Four unique kinds of model are acquainted with do the displaying. Aceh, Indonesia tremor information is considered for time history investigation. The correlation of these models for various sort of supporting framework like X propping type and V supporting sort is done. In light of this relative review, it can presume that model 3 which is V supporting sort is awesome and compelling technique for propping framework for delicate story building. From the outcome acquired, it shown that V supporting has the most reduced incentive for greatest removal analyzed other 3 models? Likewise, V propping type additionally showed the most minimal worth of base shear. Consequently, it demonstrated that V propping type diminishes the most extreme dislodging and base shear of the delicate story building.