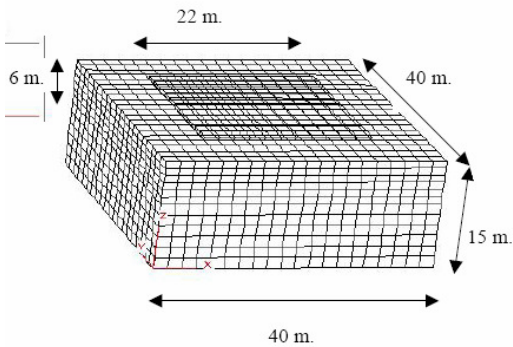


Work Done For: **Digitech India Ltd**, Tamilnadu

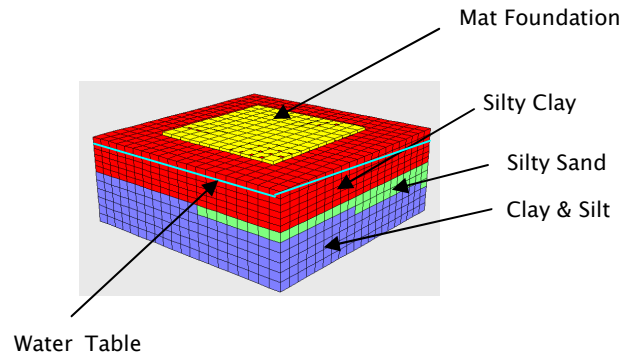
Objective

Digitech India, one of our clients came to us with the problem of Seismic analysis of Tall building foundation. The soil-foundation system were explicitly modeled in the inelastic time history analysis with spatially varying ground motions applied at varying elevations along the vertical axis of foundation.

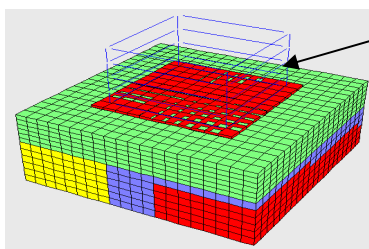
After parametric analysis of the provided design by them, we optimized that and helped them to save a lot of money.



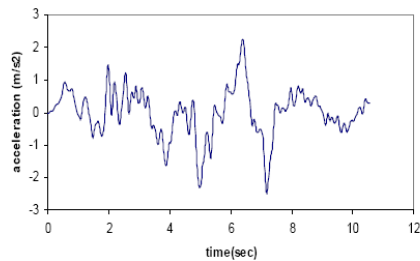
Soil Mesh under the building



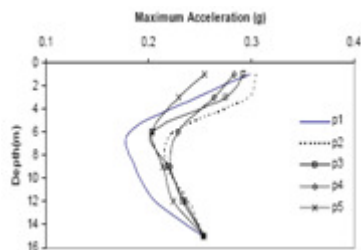
Soil profile under building



Isometric view of building



Acceleration Input Ground Motion after filtering



Acceleration vs. depth