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(57) Abstract :
The present invention relates to the field of the Reinforced Concrete (RC) Framed Structure.The invention more particularly relates to the Seismic Analysis of Multi Storied Reinforced (RC) Concrete Framed Structure with and without Diaphragm Discontinuity. These days high rise multi storied structures are quiet prominent. These types of structures, should not only be designed for aesthetic point of view but also must be designed to resist earthquake forces which are subjected on these structures. These earthquake forces acting on the structures are also known as seismic forces. Due to architectural purposes, some buildings, have openings, provided in them, this creates structural discontinuities in the building. These openings or discontinuities can change the load transfer path of the structures which may cause significant change in the building behavior, under the application of the seismic forces. In present invention pushover analysis is carried out to study the behavior of the building in case of architectural opening for staircase or cut outs etc which results in discontinuity in the structure.

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