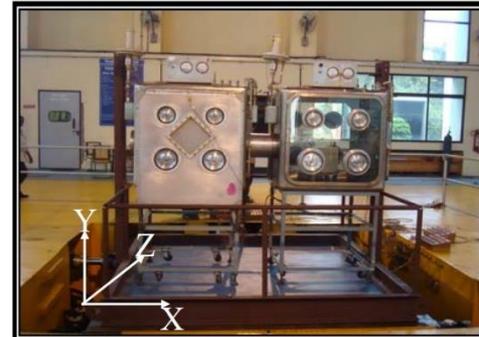


# Seismic Testing and Numerical Simulation of RC Structures and Equipment for Capacity and Stability evaluation

- Shake table testing of RC structures is carried out for incremental increasing earthquake excitation till failure of the structure is achieved.
- The results of the tests are utilized to study the failure pattern of RC structures subjected to high earthquake excitations and to develop Nonlinear Floor Response Spectra.
- Moreover, shake table tests on glove boxes are carried out in order to assess its stability, the structural integrity and leak tightness when subjected to earthquake loads.



(a) Reinforced Concrete structure



(b) Equipment – Glove Boxes

Shake table tests on structures and equipment