WORKSHOP

TALL STRUCTURES

The design of tall buildings essentially involves conceptual design, approximate analysis, preliminary design and optimization to safely carry different loads acting on structure. The structural design for a skyscraper must ensure that the building is able to stand up safely, able to function without excessive deflections or movements which may cause fatigue of structural elements, cracking or failure of fixtures, fittings or partitions, or discomfort for occupants. Tall Building Design Workshop primarily aims at educating the participants about analysis and design of tall buildings.

GROUND IMPROVEMENT TECHNIQUES

Improvement is the most imaginative field in geotechnical engineering. It is a field in which the engineer forces the ground to adopt project requirements by altering the natural state of soil, state of having to alter the design response to the ground natural limitations. The result usually includes saving construction cost and implementation time.

On the basis of mechanism by which they improve the engineering properties of soil the most common of these can be divided into the following major categories:

1. densification techniques
2. reinforcement techniques
3. stabilization techniques
4. miscellaneous methods

Apart from the methods listed above there are some other simple methods like removal and replacement of soil.

SOLID WASTE MANAGEMENT

What direction should India's waste management take? What does the future hold in store? Are landfills the answer? Is Waste-to-energy technology still a good bet? Why segregation is the key? These are some of the questions that come to our minds when we discuss waste management in our country.

The workshop shall discuss the current status of waste management in India, the new rules, available technologies, and any other best practices across the country in solid waste management.