

Geotechnical Investigations and Ground Improvement with Geosynthetics for Structural and Construction Engineers

(Sponsored by the Tata Structura)

Program schedule

Venue

TCC hall, Guru Nanak Dev Engineering College, Ludhiana

9 December, 2015

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| Registration and Networking | 0800 - 0900 hours |
| Inaugural function | 0905 - 0925 hours |
| Lecture-1: Need for engineering investigations - Scope and expectations <i>Dr H S Rai, GNDEC</i> | 0930 - 1030 hours |
| Lecture-2: Geotechnical Investigation- The Indian Scenario and Scope for Improvement <i>Dr A K Choudhary, NIT Jamshedpur</i> | 1035 - 1135 hours |
| Lecture-3: Site Investigations in liquification prone areas: Testing and Reporting <i>Dr J N Jha, GNDEC</i> | 1140 - 1240 hours |
| Lunch break | 1240 - 1400 hours |
| Lecture-4: Slope Stabilization Techniques: An Overview <i>Dr A K Choudhary, NIT Jamshedpur</i> | 1400 - 1500 hours |
| Lecture-5: Geotechnical Investigations Report and Interpretation (Lab work) <i>Dr K S Gill, Er Prashant Garg, GNDEC</i> | 1505 - 1600 hours |

10 December, 2015

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| Lecture-1: Geosynthetics - Basic Functions and Their Selection for Engineering Applications <i>Dr S K Shukla, Edith Cowan University, Australia</i> | 0910 - 1010 hours |
| Lecture-2: Ground Improvement by Soil Bio-Engineering <i>Er Donal Nixon D'Souza, NIT Jamshedpur</i> | 1020 - 1120 hours |
| Lecture-3: Properties of Geosynthetics, their Evaluation and Applications Areas <i>Dr S K Shukla, Edith Cowan University, Australia</i> | 1130 - 1230 hours |
| Lunch break | 1230 - 1345 hours |
| Lecture-4: High Strength Materials for Prefab Construction using Tubular Structures <i>Er D K Dass, TATA Industries, Delhi</i> | 1345 - 1415 hours |
| Lecture-5: Design Guidelines and Case Studies <i>Dr S K Shukla, Edith Cowan University, Australia</i> | 1420 - 1520 hours |
| Lecture-6: Non-Destructive Testing: Sampling, Precautions and Reporting (Lab work) <i>Dr Jagbir Singh, Er K S Bedi, GNDEC</i> | 1525 - 1625 hours |