

**Two Day National Conference**  
**Geotechnical Engineering Practice and Sustainable Infrastructure Development**  
**Report**

Department of Civil Engineering, Guru Nanak Dev Engineering College, Ludhiana in association with Indian Geotechnical Society, Ludhiana chapter organized two day National Conference on Geotechnical Engineering Practice and Sustainable Infrastructure Development from 11.10.2014 to 12.10.14. Prof. G.N.Gandhi, President, Indian Geotechnical Society was the chief guest and Prof. Manoj Datta, Professor and Head (Civil Engineering), IIT Delhi, was the guest of honour during the inauguration. Leadership Award, instituted by Indian Geotechnical Society, Ludhiana chapter, was given to Prof. Jatindra Prakash, Ex-HOD (Civil Engineering), Guru Nanak Dev Engineering College, Ludhiana and it was handed over by the distinguished guest Prof. A. Sridharan and Prof. M. R. Madhav of the conference. Prof. G.L. SivaKumar Babu, Professor (Civil Engg.), IISc, Bandalore graced the occasion as special guest. Chief Guest, Distinguished guests, Guest of honour and Special guest lighted the lamp and released the proceeding. All the national executive members present during the conference were honoured by the local executive members of IGS Ludhiana chapter members of the organizing committee of the conference. Dr. M.S.Saini honoured all the dignitaries sitting on the dais. Chairman of the conference Dr. J.N.Jha briefed the audience about the conference and other associated activities, which was coined as 3-in-1 technical activities. Just after the inauguration of the conference, President, Indian Geotechnical Society Prof. G.N.Gandhi also inaugurated the technical exhibition. Six companies had put the stall in the technical exhibition. 233 delegates registered for the conference. Out of three plenary sessions, one special plenary session was arranged as Industry session. Total 10 invited papers were presented during the plenary session. During the three technical sessions, 48 papers out of 105 papers published were presented. Maj. Gen. (Retd.) V.K.Bhatt, Technical Advisor to Chief Minister Punjab was the chief guest during the valedictory function on 12.10.14. Prof. G.L. Sivakumar Babu, Professor (Civil Engg.), IISc, Bandalore was the guest of honour and Prof. sunder Singh, Ex-Professor (Civil Engg.), Thapar university graced the occasion as special guest. The detail of plenary session is given below.

**Plenary Session-1- 11.10.14**

Chairman- Prof. A. Sridharan, Ex-Professor (Civil Engg.), IISc, Bandalore  
Co-Chairman- Prof. A. Trivedi, Professor, Civil Engg., Delhi Technological University  
Prof. M.R.Madhav, Ex-Prof. (Civil Engg.), IIT Kanpur- Embankment on Soft Ground  
Prof. G.L. SivaKumar Babu, Professor (Civil Engg.), IISc, Bandalore -Role of Strength and Deformation Response of Municipal Solid Waste (MSW) in Landfill Design  
Prof. Deepankar Choudhary- Professor (Civil Engg.), IIT, Bombay "Lessons from landslide disaster - Geotechnical Field Experience at Malin, Pune"

**Plenary Session-2- Special Industry Session- 11.10.14**

Chairman- Dr. H.S.Rai- Dean (Testing and Consultancy), Guru Nanak Dev Engg. College, Ludhiana  
Co-Chairman- Dr. B.A.Mir- Deptt. Of Civil Engg., NIT, Srinagar  
Sh. Joginder Singh, Chief Engineer, Indian Ralway- An overview of Tunneling Practices on IR  
Sh. Swantra Kumar, AGM, AIMIL- Pull out Test for geosynthetics  
S.Jatinder Singh, MD, HEICO-Cyclic cum Static Triaxial test  
V.K.Gahlaut, Sr.G.M.-Kamdhenu Steel-Comparison between Single Rib Normal TMT and Double Rib SS 10000 TMT

**Plenary Session-3- 12.10.14**

Chairman-Prof. H.N.Ramesh- Professor (Civil Engg.), Bangalore University  
Co-Chairman- Dr.B.S.Walia, Professor (Civil Engg.) Guru Nanak Dev Engg. College, Ludhiana  
Prof. S.K.Prasad, Professor (Civil Engg.), S.J.College of Engg., Mysore-Relevance of Practising Earthquake Resistant Construction in India (Geotechnical Aspects)  
Dr.V.A.Sawant, Associate Professor (Civil Engg.) IIT, Roorkee- Analysis of Laterally Loaded Piles  
Prof. A Trivedi, Professor, Civil Engg., Delhi Technological University - RQD as index for investigating strength and deformability of rock masses for Embedded Foundation