

Workshop on Geotechnical Engineering by Department of Civil Engineering at Vignan University



One-day Workshop on PAGES on 30th July, 2011

The Department of Civil Engineering, Vignan University along with Indian Geotechnical Society - Guntur Chapter organized a one-day Workshop on “*PROBLEMS AND ADVERSITIES IN GEOTECHNICAL ENGINEERING PRACTICE AND SOLUTIONS (PAGES)*” on 30th July, 2011. The objectives of the workshop are to promote good liaison and co-operation with geotechnical researchers, faculty, engineers and students. It also provides a unique opportunity for exchange of experience and information about theoretical, practical and technical aspects for tackling common areas of interests in Geotechnical Engineering. The meeting is also designed to look at the development, advancement and innovative achievements in soil and rock engineering projects.

There was overwhelming response to this workshop and about 400 participants attended the workshop which composed professional engineers, faculty and students from various engineering colleges in and around.

Dr.V. Madhusudhan Rao, Director-DET in his opening remarks appreciated the Department of Civil Engineering for organizing the workshop with stupendous participation

and also said that these workshops would provide both, the teachers and the students, a platform on which they could expand the horizons of their knowledge.

Er.S.Govardhan Reddy, Executive Engineer,Panchayat Raj,Guntur and President IGS-Guntur Chapter, Dr.A.Srinivasa Prasad, Professor and HOD, Department of Civil Engineering spoke in the Inaugural session.

There were three speakers for the technical session.

Er.I.V.Anirudhan, Geotechnical consultant from Chennai, discussed on performance of ground improvement for residential project in Kerala. He emphasized that ground improvement programs like pre-loading with settlement accelerators would require good planning in respect to site development. He expressed that co-ordination between the foundation consultant, the architect, the structural engineer and the owner was a must in taking up ground improvement programs.

Prof. M.Rama Rao, Secretary, IGS-Guntur Chapter presented two case studies relating to problematic soils, one being the soil which is expansive, at Kakatiya Medical College, Warangal and second being soft clay sub-grade at deep water port in Kakinada town.He explained how in the first case an inadequate site investigation could cause distress to a structure founded in expansive clay and in the second case how the introduction of a jute geotextile vastly improved the performance of the pavement laid over a soft clay sub-grade.

Mr. M.Lakshman Rao, Asst.Manager (Designs), M/s IVRCL Ltd. Hyderabad familiarized Reinforced Soil Structure (RSS) with wrap-around system. He elaborately discussed the needs, advantages and applications of reinforced soil structures. Furthermore, he explained design concept and construction methodology of RSS structures as well as the design of Earthen Bund at Allahabad. He opined that Reinforced Soil Slopes were cost-effective solutions where the good quality of material was not available. Also they are safe and eco-friendly.

The workshop concluded with a prolific discussion by the participants with the resource persons and expressed that this material would serve as a guide to their professional endeavors.

Honorable Vice-Chancellor Dr.V.Govardhana Rao, Registrar A.Leela Mohan Rao and Director, DET Dr.V.M.Rao graced the valedictory function and felicitated the resource persons.