

**EMBANKMENTS:  
DESIGN AND CONSTRUCTION**

09 March 2013

Registration Form

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Position and Affiliation:

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e-mail:

I enclose a crossed demand draft drawn in favour of Indian Geotechnical Society, Chennai Chapter, payable at Chennai.

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Award winning Chennai Chapter of Indian Geotechnical Society extends a cordial invitation to the One Day National Seminar on Embankments: Design and Construction, being held in Chennai, on Saturday the 9th of March 2013. This One Day Seminar will highlight various aspects of embankment design, its stability, its important role in the infrastructure development, the ways and means to make the ground to support large embankments, etc.



Courtesy: <http://www.bceo.org>

# Embankments: Design and Construction

**9 MARCH 2013, SATURDAY  
9:00hrs to 16:10hrs**



**Organised by  
IGS Chennai Chapter**

### ADDRESS FOR COMMUNICATION

Er. I.V. Anirudhan  
Geotechnical Solutions  
No: 44/19 Usha Street, Dr. Seethapathy Nagar  
Velachery, Chennai, 600042  
e-mail: [igschennaichapter@gmail.com](mailto:igschennaichapter@gmail.com)  
Web [www.igschennai.in](http://www.igschennai.in)



**Venue  
Hall 3, IC & SR**

**Indian Institute of Technology Madras  
Chennai**

## ABOUT THE SEMINAR

An embankment usually refers to an earthen structure that is used to raise the elevation of a roadway or railway above the elevation of the surrounding area. One common example of an embankment is the approach to a bridge, where the embankment raises the road to the level of the bridge deck. Embankments are typically built by compacting earthen materials in place, so the compaction properties of the soil (optimum water content and maximum dry density) are very important to its performance. The compressibility and shear strength are also important measures of the compacted material. In addition, drainage is an important consideration to prevent the loss of shear strength due to saturation. Traditionally, embankment materials have been composed of soil and natural aggregates. However, a number of industrial waste materials have been used successfully as high quality, cost effective substitutes for natural materials in these applications.

## SPEAKERS

Prof. G.N. Gandhi, President, IGS  
Prof. M.R. Madhav,  
JNTU Hyderabad and IIT Hyderabad  
Prof. K. Rajagopal, IIT Madras  
Prof. A. Sreerama Rao  
Ideal Inst. of Technology, Kakinada  
Er. Ughandar, GMR Infrastructure, Chennai  
Prof. V.K. Stalin, Anna University, Chennai  
Prof. J.T. Shahu, IIT Delhi  
Prof. R.G. Robinson, IIT Madras  
Prof.. Deepankar Choudhury, IIT Bombay  
Prof S.K. Prasad, SJCE, Mysore  
Dr. R. Chitra, CSMRS, New Delhi

The seminar is planned to touch upon the generalities of the design and construction of an embankment and also bring in new developments in the materials for such construction and adoptive construction procedures to suite the site restrictions the infrastructure development programmes face.

The stability of embankment structure as well as that of the soil supporting it is of prime importance for ensuring satisfactory performance during the life of an embankment.

This seminar will cover the following aspects:

*Overview of Embankments: Design and Construction*  
*Embankment for Infrastructure Development*  
*Reinforced earth embankments and use of geosynthetics*  
*Use of waste material in the embankment construction*  
*Site characterization for embankment design*  
*Ground improvement for embankment foundation*  
*Piled embankments*  
*Geotechnology for railway embankments*  
*Quality Control, Instrumentation and monitoring for embankments*  
*Static and Seismic Stability of embankments*

## PROGRAMME COORDINATORS

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Er. I.V. Anirudhan, Geotechnical Solutions, Chennai  
[anirudhen@eth.net](mailto:anirudhen@eth.net)

## REGISTRATION

The registration fee is Rs 600/- per person. The students' registration fee is Rs 300/- per person. The registration fee can be paid in the form of demand draft payable to IGS Chennai Chapter, Chennai, or can be paid by cash at the venue on the day of seminar. However, the registration form shall reach the chapter office one week before the seminar.

## EXECUTIVE COMMITTEE OF IGS CHENNAI

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