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Wish to participate in the seminar as

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I am enclosing a crossed demand draft payable at  
Chennai in favour of Indian Geotechnical Society,  
Chennai Chapter, with the following details

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**REGISTRATION FEE**

- 1. Member of IGS and Academicians = Rs.400/-
- 2. Practicing Engineers (Non member of IGS) = Rs.600/-
- 3. Students and Senior Citizens = Rs.200/-

The registration fee shall be paid by a crossed demand draft drawn in favour of "IGS Chennai Chapter" and shall be payable at Madras.

Those who wish to sponsor the programme may please contact the organisers. Free delegates and display boards will be available for the sponsors.



All correspondence relating to the seminar shall be addressed to  
Prof. S.R. Gandhi, Chairman,  
Indian Geotechnical Society (Chennai Chapter)  
Department of Civil Engineering  
IIT Madras, Chennai-600036

Email: srgandhi@iitm.ac.in  
Ph : 044-22574255, Mob : 9841027543

Email - chapter@igschennai.in, web - www.igschennai.in

ONE DAY SEMINAR ON  
**SEGMENTAL PRECAST  
DRIVEN PILES**



26 JULY 2008, SATURDAY  
9:30 AM - 5:30 PM

Organised by

Indian Geotechnical Society  
Chennai Chapter



Centre for Industrial Consultancy  
and Sponsored Research  
IIT Madras

## INDIAN GEOTECHNICAL SOCIETY AND CHENNAI CHAPTER

INDIAN GEOTECHNICAL SOCIETY, IGS, was established in 1948 with the purpose of advancement and dissemination of knowledge in different fields of geotechnical engineering. The society made valuable contributions to the development of geotechnical engineering in the country. IGS is affiliated to the International Society of Soil Mechanics and Geotechnical Engineering, ISSMGE. The IGS is celebrating its Diamond Jubilee this year.

The Madras Chapter of IGS was established in 1987 and later named as Chennai Chapter. Chennai chapter has more than 800 life members including about 100 members of the parent body.

The chapter has been organizing seminars and symposiums every year with emphasis on field practices. The National Conferences IGC1996 was held in Anna University and recently the chapter organised IGC 2006 in IIT Madras.

## ABOUT THE SEMINAR

Pile foundation has been increasingly used in view of large scale construction activities for various infra structure project in the country. Compared to conventional bored cast in situ pile, pre-cast piles have several benefits and it is found to be cost effective. One of the major problems is variations in the strata condition which require varying length of the pile. Segmental pre-cast pile where different segments can be connected with a mechanical joint is becoming more popular. There are several locations along the coast which is covered with thick soft clay deposit requiring large length of pile exceeding 30-40m. Conventional piling rig cannot handle a pile of this length in a single piece. Use of segmental pile with one or more number of joints has following benefits:

1. The handling stresses are reduced considerably resulting in reduction in steel.
2. Requires smaller rig for installation which can be crawler mounted and more quickly to different locations.
3. Depending on the depth of the founding strata, required length of the pile can be built up from stock of the segment of different length.
4. The efficiency of the mechanical joint has been proved by various full scale tests and the segmental piles have been used successfully since years. This workshop is intended to bring out the benefits of segmental pile, various option for mechanical joint, difficulties faced in construction etc.

## WHO SHOULD ATTEND

Practicing Engineers, Government Officials, Piling Contractors and Academicians dealing with design and construction of pile foundation will benefit from the programme.

The seminar will also be beneficial to the architects, the structural consultants and the project management teams who finally have to decide on the viability of various foundation options.



## OUTLINE OF THE PROGRAMME

The programme comprises of expert lectures by the following speakers

1. Dr. K.S. Ramakrishna, L&T-ECC, Chennai
2. Shri. S. Guha, Simplex Concrete pile, Chennai
3. Mr. S.P. Sengupta / Mr. Manish Kumar, ITD Cementation, Kolkata
4. Prof. S.R. Gandhi, IIT Madras
5. Mr. Jessudas Ashirvatham, L&TECC, Chennai

Apart from the expert lectures, a detailed panel discussion is planned to share the experience of the practicing engineers on use of segmental piles.

## One Day Seminar on Segmental Precast Driven Piles

26 July 2008, Saturday

9:30 am - 5:30 pm

Organised by  
IGS Chennai Chapter

Venue  
Centre for Industrial Consultancy and  
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IIT Madras

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