

## **Refresher Course on**

# **IS: 800-2007, Code of Practice for General Construction in Steel (Third Revision)**

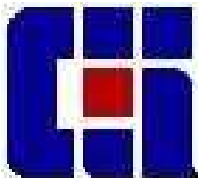
**16 - 17 July 2010,**

**Casuarina Hall, Habitat World,  
India Habitat Centre,  
Lodhi Road, New Delhi 110003  
(Entry from gate number 3 on Vardhman Marg)**

**ORGANIZED JOINTLY BY**



**INSTITUTE OF  
STEEL DEVELOPMENT & GROWTH, KOLKATA**



**CONSULTING ENGINEERS ASSOCIATION  
OF INDIA**

## ABOUT INSDAG

Institute for Steel Development and Growth (INSDAG) is a member based non profit making organization. The Institute primarily works towards the development of advanced design methodologies and technical marketing by expanding application of steel in different segments of industry, upgrading skills and know-how, creating awareness amongst potential users and communicating the benefits of steel vis-a-vis other competitive materials etc.

INSDAG has taken up the responsibility to facilitate revision of the code with active participation of IIT, Chennai, SERC, ANNA University and a number of Consultants / Fabricators / Prime Contractors etc.

## ABOUT CEAI

Consulting Engineers Association of India (CEAI) is the apex body of consulting engineers in India. CEAI represents the Indian Engineering Consultancy profession at the International Federation of Consulting Engineers (FIDIC).

CEAI in its present form has been active over the last 10 years and has acquired experience of over 45 years of two major erstwhile consulting engineers associations of India viz. National Association of Consulting Engineers & Association of Consulting Engineers (India).

## BRIEF DESCRIPTION

This code is the umbrella code for Structural Steel Design in India and forms the basics of Structural steel design. This code has incorporated the Limit State Method of Design, which is a paradigm shift from the working Stress method which was prevalent earlier. This revision was released by BIS on February 2008.

## WHO SHOULD ATTEND?

All those involved in structural Engineering Design like:

- Teachers in IITs, Engineering Colleges and Technical Institutions
- Engineering Consultants, Structural Designers with steel
- Project Managers
- Infrastructure organizations
- Individuals engaged in Structural Engineering Design

## FACULTY

### Dr A R Santhakumar-Anna University, Chennai

Dr A R Santhakumar obtained his first class degree in Civil Engineering from the College of Engineering, Grundy in 1965 and subsequently obtained his MSc degree under the Technical Teachers Training Programme. He obtained his PhD as a commonwealth Scholar from the University of Christchurch, New Zealand. His honours include **Nagadi Award** (1994), from the Association of Consulting Civil Engineers, A **Visveswaraya Gold Medal** (1993) for research in Transmission line towers from The Institution of Engineers, Nagpur Chapter, and the best **paper award** (1990) for his contribution on tower foundation from Central Board of irrigation and Power, Government of India. McGrawhill, Singapore has published his book on Transmission line towers in 1994.

In a lifetime service to **Anna University** he has guided many research fellows. He was the Dean of Anna University, Chennai. He was the Professor Emeritus, IIT Madras, Structural Engineering Laboratory. He is also a pioneer in many structural developments in India. A good orator he has an excellent communication skill which makes the listeners spell bound.

#### **Dr S R Satishkumar-IIT Madras-Chennai**

Dr S.R.Satish Kumar obtained his BE (Civil) from the College of Engineering, Pune, India in 1987. After a brief stint in Design and Construction, he went to IIT Bombay and got an MTech in Structural Engineering in 1992. He completed his Doctor of Engineering from Nagoya University, Japan in 1996. He then worked at NKK Corporation, a multi-national steel industry as a research engineer and did pioneering work on the seismic design and pseudo-dynamic testing of steel bridge piers for the Japanese Ministry of Construction. He joined IIT Madras, Chennai in September 1998 and is currently Associate Professor and Head of the Structural Engineering Laboratory, Dept. of Civil Engineering, IIT Madras. He has been teaching Design of Steel Structures, Structural Dynamics and Earthquake Resistant Design for under-graduate and post-graduate students. He has conducted a number of short term courses in these areas for university faculty and consultants. He has guided a number of MS and PhD students and has several publications in National and International journals and conferences. He has co-authored three volumes titled Teaching Resources for the Design of Steel Structures for university faculty and has contributed extensively to the revision of the Indian Code IS 800. Dr. Satish is actively involved in carrying out research in the area of seismic design and testing.

#### **M M Ghosh - Senior Manager, INSDAG and Course Coordinator**

MANAS MOHON GHOSH obtained his BE in Civil Engineering from Jadavpur University, Kolkata in 1986. He joined Simon Carves India Limited (a premier Turnkey Contractors and Engineering Consultancy firm) in the Structural Engineering design department. There he was involved in designing Steel structures for steel plants and chemical plants. Simultaneously he embarked on further studies and opted for Masters in Business Administration (MBA) in Finance from the same university in 1990 in their 3 years part time course. Nicco Corporation Limited (Project division) was where he switched in 1991. The nature of job was similar to the former assignments. He then shifted to Tata Korf Engineering Services Limited (a company promoted by Tata Steel) in mid 1993. He joined INSDAG in December 2002 and is now the "in charge" of the training department where he organizes all Refresher Courses, Short Term Training Programmes and Promotional programmes.

Mr. Ghosh is a Chartered Engineer and a Member of The Institute of Engineers (India).

**Course Fee: Rs 5000/- per participant**

#### **Registration Procedure**

Intending participants may apply to the course coordinators as per enclosed format for registration along with a Demand Draft of Rs.5000/- on any bank payable at Kolkata in favour of "Institute For Steel Development & Growth."

**Participants are requested to carry their copy of IS 800: 2007. The code will NOT be distributed in the programme.**

## Coordinators

MR. M. M. GHOSH  
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MR. S NAJMI  
Deputy Director  
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E-mail: [ceai.ceai@gmail.com](mailto:ceai.ceai@gmail.com)

Last date of receipt of registration: 1<sup>st</sup> July 2010

## REGISTRATION FORM

*Two day Refresher Course on*

IS:800 - 2007 Code of Practice for General Construction in Steel, 3rd Revision  
(16<sup>th</sup>- 17<sup>th</sup> JULY 2010)

CONDUCTED BY



CEAI,  
NEW DELHI



INSDAG,  
KOLKATA

1. Name (in CAPS): \_\_\_\_\_
2. Designation: \_\_\_\_\_
3. Organization: \_\_\_\_\_  
\_\_\_\_\_
4. Sex (Please ✓): Male                  Female
5. Contact Address: \_\_\_\_\_ PIN: \_\_\_\_\_  
Ph: \_\_\_\_\_ Mob: \_\_\_\_\_ E-mail: \_\_\_\_\_
6. Details of Bank Draft: \_\_\_\_\_  
\_\_\_\_\_
7. Amount: Rs

Date:

*Signature of the applicant*

Date: 16-17 July 2010

Time: 10.00 - 16.30 hrs

Venue: India Habitat Centre, New Delhi

**SCHEDULE: DAY 1**

09.00 - 10.00	:	<b>Registration</b>
10.00 - 10.15	:	<b>Introduction &amp; Overview of IS-800</b> -Dr S R Satishkumar -Associate Professor, IIT Madras
10.15 - 11.00	:	<b>Limit State Design</b> -Dr S R Satishkumar -Associate Professor, IIT Madras
11.00 - 11.15	:	<b>Tea Break</b>
11.15 - 12.15	:	<b>Design of Tension members with Worked out examples</b> -M M Ghosh -Sr. Manager INSDAG
12.15 - 13.00	:	<b>Local Buckling and Classification of Sections</b> -Dr S R Satishkumar -Associate Professor, IIT Madras
13.00 - 14.00	:	<b>Lunch</b>
14.00 - 15.00	:	<b>Design of Compression members with Worked out examples</b> -Dr A R Santhakumar- Anna University
15.00 - 15.15	:	<b>Tea Break</b>
15.15 - 16.30	:	<b>Design of members subjected to Bending (Restrained Beams)</b> -Dr A R Santhakumar- Anna University

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**SCHEDULE: DAY 2**

10.00 - 11.00	:	<b>Design of members subjected to Bending - (Unrestrained Beams)</b> -Dr A R Santhakumar- Anna University
11.00 - 11.15	:	<b>Tea Break</b>
11.15 - 12.00	:	<b>Design of members subjected to Bending-Worked out examples</b> -Dr A R Santhakumar- Anna University
12.00 - 13.00	:	<b>Design of members subjected to Combined Forces</b> - Theory with Worked out examples -Dr S R Satishkumar -IIT Madras
13.00 - 14.00	:	<b>Lunch</b>
14.00 -15.15	:	<b>Connections-Bolted with worked out examples</b> -Dr S R Satishkumar -IIT Madras
15.15 - 15.30	:	<b>Tea Break</b>
15.30 -16.30	:	<b>Connections- Welded with worked out examples</b> -Dr A R Santhakumar- Anna University
16.30 - 17.15	:	<b>Concluding remarks and closing</b>

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