INSTITUTE FOR STEEL DEVELOPMENT & GROWTH

ONLINE Training Programme

UNDERSTANDING IS 1893-1-2016

JULY 20, 2022 – WEDNESDAY AT 3 pm to 5 pm IST – Day 1

JULY 29, 2022 – FRIDAY AT 3 pm to 5 pm IST – Day 2

Presenter:

Dr. Ashok K Jain

Retd. Professor of Civil Engineering
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Objective:

Earthquake force is a highly indeterminate force because of fewer strong earthquakes occurring in India and lack of recorded data. So far, it is not possible to forecast when, where and with what intensity the next earthquake will strike. It makes the task of a designer even more complex. IS 1893-1-2016 is the basic code for estimating earthquake forces on any structure in the country and its analysis. The current version of the code is particularly causing a lot of confusions in the minds of the designers as many changes were introduced without adequate discussions with the design fraternity in the country. The purpose of this lecture is to help understand various clauses as far as possible.

This topic on codal provisions will be covered in two different dates-20th July and 29th July 2022. It is in continuation to the earlier lecture - Understanding of INELASTIC Behavior of Steel Buildings held on 16th June 2022. The Lecture is available in youtube.

Key Words:
Empirical time period, DBS, MCE, Regular and irregular, torsion, Base shear, static and dynamic analysis, stiffness modifiers, Number of modes, R factor, modal mass, weak and soft storeys, storey drift

Topics:

- Understanding IS 1893-1-2016 – Dr Ashok K Jain
- Q & A – Dr Ashok K Jain

Prof. Dr Ashok K. Jain obtained degrees of B.Sc. from Meerut University in 1968, B.E. (Civil) with honours from University of Roorkee in 1972, M.E. (Structures) with honours from University of Roorkee in 1974, and Ph.D. from University of Michigan, Ann Arbor (USA) in 1978. He is a recipient of several gold, silver and bronze medals from the University of Roorkee. He joined University of Roorkee in September 1979 as Lecturer and became Professor of Civil Engineering in 1991, and later served as Head of Department. He was Director, Malviya National Institute of Technology, Jaipur from 2003 to 2005. He retired from IIT Roorkee in May 2016. His main areas of interest include multistoreyed buildings, towers and bridges, and earthquake resistant design of RC and steel structures.

He has authored five textbooks on structural engineering and earthquake engineering. The latest being Dynamics of Structures with MATLAB Applications 1st edition (2016). He carried out pioneering work on the post buckling inelastic response of steel bracing members and concentric braced steel frames. His research work has been cited by AISC 341-2016 and SEAOC Blue Book 2009 besides many others.

He is a Fellow of the Institution of Engineers and Indian Association of Structural Engineers, and Life member of Indian Concrete Institute, Chennai, and Indian Society of Earthquake Technology, Roorkee. Prof. Dr. Jain is consultant to many agencies in the area of structural engineering and earthquake resistant design.

Suitable for:

Civil Engineering Students, Faculty's, Engineering Professionals

Registration:

FREE (but registration mandatory,
access restricted unless registration is done)

Kindly register by email to insdag@gmail.com furnishing your following details:
Name, Email, Mobile No. INSDAG membership No. (for members)

Last Date of Registration:

18th July 2022

Contact Person:

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