

Refresher Course on EARTHQUAKE RESISTANT DESIGN OF BUILDINGS

Starting from 26th August 2017

Venue : PHD Chamber of Commerce & Industry, PHD House, 4/2 Siri Institutional Area, August Kranti Marg, New Delhi 110016

Time : 09:00 AM to 01:15PM; Tea Break (11:00 am to 11:15 am)

Duration : Total Lecture Hours : 28 (14 lectures of 2 Hours each)

Course Coordinator– Mr. S. C. Mehrotra*

Lecture No.	TOPICS	TENTATIVE FACULTY(subject to their confirmation)	DATE
Lecture 1 09 AM to 11:00 AM	Understanding Dynamics, Free vibration (Frequencies and Mode Shapes)	Dr Vasant Matsagar, <i>Associate Professor, IIT Delhi</i>	26 th August 2017
Lecture 2 11:15 AM to 01:15 PM	Forced Vibration – response to Dynamic Loading : Harmonic Loading & earthquake Loading	Dr Vasant Matsagar, <i>Associate Professor, IIT Delhi</i>	26 th August 2017
Lecture 3 09 AM to 11:00 AM	Concepts of Equivalent Static Method, Dynamic Analysis by Response Spectrum Method and Time History Method	Dr D K Paul*, <i>Retd. Professor, IIT Roorkee</i>	02 September 2017
Lecture 4 11:15 AM to 01:15 PM	Impact of IS 1893 (Part 1) – 2016 and IS 13920 – 2016 on Geo-technical Aspects including Liquefaction Potential	Prof Mahesh Tandon*, <i>Managing Director, Tandon Consultants Pvt Ltd</i>	02 September 2017
Lecture 5 09 AM to 11:00 AM	Salient Features of Latest IS 1893 (Part 1) – 2016 Code	Mr Vipul Ahuja, <i>CEO & Director, Ahuja Consultants Pvt Ltd</i>	09 September 2017
Lecture 6 11:15 AM to 01:15 PM	Salient Features of Latest IS 13920 – 2016 Code	Ms. AlpaSheth* <i>Managing Director VMS Consultants Pvt Ltd</i>	09 September 2017
Lecture 7 09 AM to 11:00 AM	Principal and Methodologies of Earthquake Resistant Design	Dr. Yogendra Singh*, <i>Professor & HOD, EQ Engg. Department, IIT Roorkee</i>	16 th September 2017
Lecture 8 11:15 AM to 01:15PM	Performance Based Seismic Design of Structures	Dr. Yogendra Singh*, <i>Professor & HOD, EQ Engg. Department, IIT Roorkee</i>	16 th September 2017
Lecture 9 09:00AM to 11:00 AM	Modelling, Analysis & Design, of a Building as per IS 1893 (Part 1):2016 & IS 13920 – 2016 using a software.	Mr. S. C. Mehrotra*& Mr. Gyanendra Sharma Mehro Consultants	23 rd September 2017
Lecture 10 11:15 AM to 01:15 PM	Modelling, Analysis & Design, of a Tall Building as per IS 1893 (Part 1):2016 & IS 13920 – 2016 using another softwares.	Mr. S. C. Mehrotra*& Mr. Gyanendra Sharma Mehro Consultants	23 rd September 2017
Lecture 11 09 AM to 11:00 PM	Clarifications to Questions Regarding IS 1893 (Part 1) :2016 and IS 13920 : 2016 (Part 1)	Prof C. V. R. Murty*, <i>Director, IIT Jodhpur</i>	7 th October 2017
Lecture 12 11:15AM to 01:15 PM	Clarifications to Questions Regarding IS 1893 (Part 1) :2016 and IS 13920 : 2016 (Part 2)	Prof C. V. R. Murty*, <i>Director, IIT Jodhpur</i>	7 th October 2017
Lecture 13 09 AM to 11:00AM	Use of different softwares		14th October 2017
Lecture 14 11:15AM to 01:15 PM	Special Topics& Discussions		14th October 2017

* - Member of the IS 1893 Codal Committee.