



GUPTA, Dr. ID
Consultant & Faculty (Seismic Design)
Formerly Director, CWPRS
Consulting Seismic Design Expert

Dr. I.D. Gupta is an internationally recognized expert in the areas of Earthquake Engineering and Engineering seismology with over 40 years of professional and research experience. He obtained M.Sc. in Physics from University of Delhi in 1977, M.S. in Earthquake Engineering from University of Southern California, USA in 1985, and Ph.D. from University of Pune in 1987 on his thesis 'Risk Based Seismic Response Analysis of Structures – A Stochastic Approach'.

He started his profession career as a Research Officer at Central Water and Power Research Station (CWPRS), Pune in September 1979. Having served in various positions, he rose to the position of Director (head of the organization) in August 2009. After superannuation from CWPRS in September 2013, he served as a visiting Professor to Department of Earthquake Engineering, IIT Roorkee till June 2017.

His major areas of expertise include strong motion seismology, probabilistic seismic hazard analysis, seismic zoning, dynamic response analysis of gravity dams, seismic surveillance of river valley projects, and reservoir triggered seismicity. He has made very significant research contributions in these areas and has authored over 130 research papers. He has guided seven Ph.D. dissertations and has developed several FORTRAN and MATLAB software for seismic data processing, developing ground motion prediction equations, and seismic hazard analysis applications. He has carried out more than 180 project specific studies in areas of his expertise, many of which pertains to the neighbouring countries like Nepal, Bhutan and Myanmar.

He has also contributed to the cause of several technical committees like National Committee on Seismic Design Parameters (NCSDP), Earthquake Engineering Sectional Committee CED-39 of BIS, Koyna Tremor Subcommittee, several Expert Groups setup by AERB Mumbai, Expert Committee set up by MoEF&CC to resolve issues related to Subasiri Dam, Dam Safety Review Panel for the projects of BBMB, etc. He is member of several professional bodies like Institution of Engineers (India), Indian Society of Earthquake Technology (ISET), Indian Society for Hydraulics (ISH), Indian Society of Earthquake Science, etc.