

NATIONAL DISASTER MANAGEMENT AUTHORITY
A-1 Safdarjung Enclave, New Delhi-110029

Press Release

Subject: NATIONAL WORKSHOP ON “Technical document on Geotechnical / Geophysical Investigations for Seismic Microzonation Studies of Urban Centres in India” prepared by expert group WCE-GT

Date: 19th August, 2011 (FRIDAY)

TIME: 11.00 AM to 2.30 PM

Venue: No1, NDMA Bhawan, Safdurjung Enclave, New Delhi

TOPIC: *Technical document on Geotechnical / Geophysical Investigations for Seismic Microzonation Studies of Urban Centres in India*

A committee of experts with IISc as the nodal institution has prepared the technical document on geotechnical / geophysical investigations for seismic microzonation studies in India. A national workshop is being organized to discuss this technical document on geotechnical /geophysical investigations for seismic microzonation studies of urban centres, which is intended to serve as a reference document for the geotechnical aspects of seismic microzonation work in the country. The local geological and soil conditions can profoundly influence all of the characteristics – amplitude, frequency content, and duration – of strong ground motion. Significant earthquake damage and loss of life has been directly related to the effect of local site conditions and liquefaction in several recent earthquakes (eg., 1985 Mexico earthquake, 1989 Loma Prieta Earthquake, 1994 Northridge, 1995 Kobe Earthquake, and Bhuj earthquake 2001). Geotechnical and geophysical investigations required along with necessary number of tests, details of tests including methodology and precautions to be taken while carrying out these tests is elaborated in the various chapters of the technical document. The guidelines for carrying appropriate geotechnical and geophysical investigations for evaluating the local site effects and ground response for seismic microzonation studies are laid out in the report. The document addresses the aspects of geotechnical and geophysical testing for characterizing the ground and methods of analyses available for estimating local site effects.

The workshop will be inaugurated by Dr. B. Bhattacharjee, Honorable member NDMA.
