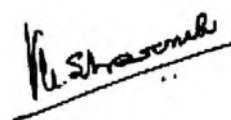


Editorial...

Challenges in engineering geology are diverse with emphasis largely on the geological and geotechnical aspects of dams, underground structures, bridges and other major civil projects which are the backbone to the development of the country. The numerous case studies in different terrain conditions of the country provide insight into the problems and ways and means to deal with such situations. The studies in engineering geology have assumed considerable importance owing to its wide applications in civil, mining, underground caverns, metro and communication projects, etc. The affect of geological hazards on civil projects and their mitigation is a pre-requisite for economic and safe designing of structures. Considerable activities in these fields are in progress largely due to excavations for the irrigation, flood control, hydro-power generation, tunneling and communication projects. Economic liberalization has further facilitated planning and execution of large projects in India, which would involve construction on relatively difficult sites as more viable and obvious sites are depleting.

The deliberations in the seminar on 'Challenges in Engineering Geology' provided platform for sharing knowledge on the latest topics on the subject. The deluge of research contributions by engineers, geologists and technocrats is a testimony to the interest in the topics of societal relevance. The seminar is a step of the Indian Society of Engineering Geology to provide opportunity to all stakeholders in the country engaged in the field of engineering geology and geotechnical engineering to interact and bring out fruitful recommendations.

The seminar elicited overwhelming response with 147 contributions, not only from our own country but also from the countries like Turkey, Croatia, Bangladesh and Ethiopia. Though 40 contributions could only be published in Pre-Seminar Volume, the present volume contains 52 papers. These papers synoptically deal with various problems on civil projects, seismicity and seismic zonation, landslide hazard, tsunamis, engineering geophysics and other topics of relevance. Admittedly, there is delay in bringing out the publication, yet, I hope, the contents of the proceeding would fruitfully put the deliberations to fore for scientific and technical pursuits.


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