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Consultant & Faculty(Engineering Geology& Disaster Management)

Expert/Adviser Engineering Geologist, Water Resources, Govt. of Bihar

Formerly Dy. Director General., Geological Survey of India

Dr. V.K. Sharma, studied Applied Geology at University of Roorkee (Now Indian Institute of Technology- Roorkee), in 1977 and at Center of Advanced Studies in Geology, Lucknow University, India, he evolved a Geotechnical model for Landslide Susceptibility in Himalaya, which earned him Ph.D.

He worked in the Geological Survey of India (1981-2016) for over 35 years in different capacities, specializing in engineering geology, landslide investigations and landslide susceptibility mapping essentially in Himalayan terrain. Supervised geotechnical investigations and exploratory programs for various dam projects, tunnels, communication routes, nuclear waste disposal sites, river linking projects and thermal power plants etc. in different terrain conditions.

He participated in many post-disaster recovery and reconstruction operations (e.g. Kashmir earthquake 2005, Nepal (Gurkha) earthquake 2015, Leh (Ladakh) mud flow 2010, Almora Landslide 2010, Uttarakhand disaster 2013 etc including leadership of post-disaster recovery programme of Uttarakhand. He steered the post disaster studies, with scientific rigor, to suggest reconstruction and rehabilitation plans to the stakeholders. As head of the Mission on 'Multidisciplinary and fundamental geosciences programs' of the Geological Survey, he supervised multifarious investigations that subsume landslide investigations and susceptibility mapping, hydro-projects, geo-environment, climate change and Himalayan tectonics etc. in the Northern Region.

He participated in technical sessions held under the aegis of Geological Society of America (GSA) at Baltimore (USA), 2015 and in European Geosciences Union (EGU) General Assembly-2017 at Vienna (Austria) to present technical papers. As member of Indian delegation he visited Uganda (2014) for hydropower development of River Nile in African Rift valley system with a due diligence process to advise the Govt. on line of credit and selection of feasible dam alignments on the river.

He is a Life Member of Indian Society of Engineering Geology (ISEG), served as Editor, Journal of Engineering Geology (2009-10) and Vice President (2016-17). Member of Indian Science Congress Association (ISCA), Indian Society of Rock Mechanics and Tunnelling Technology (ISMRTT), International Association of Engineering Geology and Environment (IAEG) and Geological Society of America (GSA). He is a member of various expert groups/task force, editorial committee, Bureau of Indian Standard (BIS) committees etc.

He authored over hundred technical papers/reports that published in peer reviewed journals, International conferences, seminars and workshops. He has made focused research on landslides, geotechnical investigations of civil projects, and protection of monuments at risk with geo-hazards.

Currently, he is engaged as an Expert Adviser: Engineering Geologist, Water Resource Department, Govt. of Bihar at Patna and a member of Review panel of various irrigation and flood control projects in the state.