



**Dr. Surendra Singh Garhia**

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**PROFILE**

Dr. S. S. Garhia has a total professional work experience of 28 years. He did his post graduation in Geology from Kumaun University in the year 1981. He carried out research work on “Geology of Tallachamphi-Debguru area with special reference to Petrological and Geomorphological studies, Kumaun Lesser Himalaya” from 1982 to 1984 and was awarded Doctor of Philosophy in the year 1987 by Kumaun University. He carried out detailed investigation of landslides in Kumaun Lesser Himalaya from 1982 to 1985.

***Professional Highlights***

He joined EIPL in the year 2008, since then dealing with the geotechnical aspects of business development, planning & execution of detailed geotechnical investigations for preparing bankable DPR’s, preconstruction and construction activities of major hydro projects located in the country and abroad, viz.,

- Demwe Lower H. E. P , Arunachal Pradesh(1750 MW)
- Demwe Upper H. E. P., Arunachal Pradesh (1140 MW)
- Teesta Stage-III, H. E. P., Sikkim (1200 MW)
- Malana Stage-II, H. E. P., Himachal Pradesh (100 MW)
- Karuma Hydropower Project (600 MW) in Uganda
- Kolongchu H. E. P. (600 MW) in Bhutan
- Nafra H.E.P. (120 MW) in Arunachal Pradesh

He was instrumental in planning, executing and completing surface and subsurface geotechnical investigations to optimize the project layout and prepare bankable DPR’s for Demwe Lower (1750MW) and Karuma (600MW) Hydroelectric Projects.

He worked as a Hydrogeologist in Central Ground Water Board, Ministry of Water Resource, Govt of India from 1985 to 1987 and carried out extensive groundwater exploration in parts of Assam and Nagaland. He joined the Geological Survey of India, Ministry of Mines, Govt. of India,



in the year 1987 as a Geologist and carried out extensive and significant geological investigations in different parts of the country for more than two decades. During this period, he underwent several trainings including the training on Management & Geographic Information System at International Training Centre, Netherlands. For his significant contribution in the field of exploration of gold in Rajasthan, he was conferred upon with the prestigious National Mineral Award - 2005 by the Govt. of India.

He carried out engineering geological investigations in Arunachal Pradesh, Meghalaya and Rajasthan at different stages, viz., pre-feasibility, feasibility, preconstruction and construction. He was associated with the geotechnical investigations of:

- Dibang Multipurpose H. E. Project (3000MW),
- Lohit Dam Project (3000MW),
- Kameng H. E. project (600MW),
- Jiadal Multipurpose H. E. Project (100MW),
- Pare H. E. Project (120MW),
- Ranganadi H. E. Project (100MW),
- Mintudi Leska H. E. Project (80MW),
- Nauranang Chu H. E. Project (15MW),
- Neyukcharang Chu H. E. Project (400MW),
- Bharalli Stage II H. E. Project (600 MW) and
- Kapak Leyak H. E. project (120MW).

He has published more than forty research papers in reputed National & International Journals, and has more than forty-five technical reports to his credit.

### ***Educational Qualification***

#### **Ph.D.**

Kumaun University (1987)

#### **Post Graduation – Geology**

Kumaun University (1981)

### ***Membership***

- Member of the society of Earth Science India
- Life member of Indian Society of Engineering Geology
- Executive Member of NCR Chapter of Indian Society of Engineering Geology