

**CURRICULUM VITAE**

1.	<b>Name of Firm</b>	<b>Aquagreen Engineering Management (P) Limited</b>		
2.	<b>Name of Expert</b>	Dr. SURENDRA SINGH GARHIA		
3.	<b>Date of Birth</b>	13/07/1960	<b>Citizenship</b>	Indian
4.	<b>Education</b>	<ul style="list-style-type: none"> <li>➤ Ph. D. (Geology), Kumaun University, India, 1987</li> <li>➤ M. Sc. (Geology), Kumaun University, India, 1981</li> </ul>		
5.	<b>Membership in Professional Association</b>	<ul style="list-style-type: none"> <li>➤ Member of the society of Earth Science India</li> <li>➤ Life member of Indian Society of Engineering Geology</li> <li>➤ Executive Member of NCR Chapter of Indian Society of Engineering Geology, 2010 – 11</li> <li>➤ Council Member of Indian Society of Engineering Geology, 2011 – 12.</li> <li>➤ Member of International Association of Engineering Geology and Environment (IAEG), 2011 – 12.</li> <li>➤ He has published more than forty numbers of technical papers in different national and international Journals/Workshops/Seminars. He has more than 50 numbers of unpublished technical reports in his credit.</li> </ul>		
6.	<b>Other Trainings</b>	<ul style="list-style-type: none"> <li>➤ 12<sup>th</sup> Orientation course conducted by Geological Survey of India in 1988-89 in India.</li> <li>➤ 12<sup>th</sup> photo geology and remote sensing training conducted by Geological Survey of India in 2001 in India.</li> <li>➤ 6<sup>th</sup> refresher course in Engineering Geology in 2006 in India.</li> <li>➤ GIS and Digital image processing conducted by International Training Centre in Netherlands.</li> </ul>		
7.	<b>Countries of Work Experience</b>	India, Bhutan, Uganda		
8.	<b>Languages</b>	<b>Speaking</b>	<b>Reading</b>	<b>Writing</b>
	• <b>English</b>	Good	Good	Good
	• <b>Hindi</b>	Good	Good	Good
9.	<b>Professional Accomplishment</b>	<p>Dr. S. S. Garhia has more than <b>33 years</b> of professional experience, and has contributed significantly in the development of more than thirty (<b>30 nos.</b>) numbers of hydropower projects located in India, Bhutan and Uganda. He has strong fundamental knowledge of <b>Engineering Geology, Geotechnical Engineering, Soil and Rock Mechanics, Earthquake Engineering and Groundwater Hydrology</b>, and has enormous experience in <b>planning, executing &amp; supervising detailed surface/subsurface geological &amp; geotechnical investigations, in situ rock</b></p>		

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			<p><b>mechanics tests etc., during various stages of hydropower project development.</b></p> <p>He was responsible for planning, executing &amp; supervising all site investigation activities, and providing geological/geotechnical inputs required for the techno-economical optimization of the project layout, and finalization of Feasibility Study Reports of various major hydropower projects, viz., Dibang Multipurpose H. E. Project (<b>3000MW</b>), Demwe Lower H. E. Project (<b>1750MW</b>), Demwe Upper H. E. Project (<b>1080MW</b>), Karuma H. P. Project (<b>600MW</b>), Kolongchu H. E. Project (<b>600MW</b>), and Kynshi Stage-I H. E. Project (<b>270MW</b>) etc. He has been also instrumental in the Geo-technical appraisal, design, construction of dams associated with the above mentioned projects.</p> <p><b>Completed Project Details:</b></p> <p>He was responsible for all geological and geotechnical inputs ( including RMR/ Q system for rock classification and support) required for detail design of different project components of underground and surface civil structures during preconstruction and construction stages. Also was actively involved in site inspection and supervision of the following Projects;</p> <ol style="list-style-type: none"> <li>1. Myntdu Leskha Hydro Electric Project (84 MW), Meghalaya</li> <li>2. Malana II Hydro Electric Project (100 MW), Himachal Pradesh</li> <li>3. Teesta III Hydro Electric Project (1200 MW), Sikkim (85 % completed)</li> <li>4. Dikchu Hydro Electric Project (96 MW), Sikkim (90 % completed)</li> <li>5. Rognichu Hydro Electric Project (96 MW), Sikkim (70% completed)</li> <li>6. Kameng Hydro Electric Project (600 MW), Ar. Pradesh (60 % completed)</li> </ol>	
<b>10.</b>	<b>Employment Records</b>			
	August 2012	Till date	Aquagreen Engineering Management (P) Limited, India	Senior Vice President (Engineering Geology)
	April 2010	July 2012	Energy Infratech Private Limited, India	Vice President (Engineering Geology)
	July 2008	March 2010	Energy Infratech Private Limited, India	Additional Vice President (Engineering Geology)

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December 2003	December 2003	Geological Survey of India Ministry of Mines, Govt. of India	Senior Geologist
September 1987	November 2003	Geological Survey of India Ministry of Mines, Govt. of India	Geologist
October 1985	August 1987	Central Ground Water Board, Ministry of Water Resource, Gol	Hydro-geologist
January 1982	December 1984	Kumaun University, India	Research Scholar/ Senior Research Fellow