

**MAJOR WORK DURING LAST TEN YEARS THAT BEST**

**ILLUSTRATES QUALIFICATIONS**

Project Name: Water Resources Management in the Remedy of Groundwater Arsenic Contamination		Country: Bangladesh
Project location within Country: Affected Areas		Professional staff provided by your company: No. of Staff: 1 No. of Person-Months: 3
Name of Client: Various		
Start Date (Month/Year): July 2002	Completion Date (Month/Year): December 2002	Approximate Value of services: US\$ 100,000
Name of Associated Firm(s), if any:  University of Windsor, Canada		No. of Person-Months of professional staff provided by Associated Firm(s): 5
Name of Senior Staff (Project Director, Team Leader) Involved and Functions Performed: Dr. Masud Karim, Environmental Specialist		
Detailed Narrative Description of Project:  The groundwater in Bangladesh is severely contaminated by deadly arsenic and has upset the idea of using shallow tube-wells for safe drinking water throughout the country. Thousands of people, therefore, are suffering from arsenic related diseases. The severity of arsenic contamination is demanding restricted use of groundwater and move to alternative water sources such as ponds, lakes, rivers and rains. The need of ensured, affordable and sustainable safe water sources is vital for all communities to combat arsenic disaster. Competent water resources management could play a key role to solve the arsenic contamination problem in Bangladesh and ensure the supply of safe drinking water. For this, a community based management group is necessary to operate and maintain the water sources efficiently in rural Bangladesh. Above all, the project indicates that intelligibility and accountability in water resources management will not be established without the conscientious participation of local community.		
Detailed Description of Actual Services Provided by Your Company:  Engconsult was responsible for developing a simple community based water resources management model, environmental and social impact analysis of the model application, and developing a monitoring and mitigation measures to ease the social and environmental impacts. This model presents novel concepts and includes new parameters to find a sustainable option of safe drinking water through active participation of the local community. Services also include, planning a huge household interview survey in Hajiganj, Chandpur, data analysis, GIS presentation of the data, public consultation, and documentation.		