

## MAJOR WORK DURING LAST TEN YEARS THAT BEST

## ILLUSTRATES QUALIFICATIONS

Project Name: Detailed Engineering Design of Bagرامي-Khaki Jabbar-Hisarak-Sherzad-Surkhrod Road O/Ref: 2008-1430		Country: Afghanistan
Project location within Country: Kabul, Jalalabad		Professional staff provided by your company: No. of Staff: 14 No. of Person-Months: 52.5
Name of Client: Asian Development Bank		
Start Date (Month/Year): April 1, 2008	Completion Date (Month/Year): December 31, 2008	Approximate Value of services: \$930,000
Name of Associated Firm(s), if any: ECL Consultants Ltd., Bangladesh Engconsult Afghanistan Ltd.		No. of Person-Months provided by Associated Firm(s): 40
Name of Senior Staff (Project Director, Team Leader) Involved and Functions Performed:  Dr. Masud Karim, Environmental Specialist/Project Manager, Janusz Sobieniak, Highway Engineer, Muhammad Zubair, Highway Design Engineer, Md. Jalal Uddin, Surveyor, Dr. Venkata Nukala, Social Development/Resettlement Specialist; Yuedong Wu, Hydrology/Material/Pavement Engineer, Sabbir Siddique/Bridge Engineer		
Detailed Narrative Description of Project:  The objective of this project is to (i) undertake topographic survey using total station for a 162km road from Bagرامي-Sherzad-Surkhrod; (ii) validate the road alignments, design standards, and rehabilitation options under established engineering, economic, social and environmental perspectives; (iii) Geotechnical and material investigation of the corridor, (iv) Undertake detailed engineering design for about 162km road in mountainous terrain, including bridges, culverts, and other drainage structures, (v) Undertake social and resettlement study, (vi) perform environmental assessment, and (vii) Prepare drawings good for construction and investment package.		
Detailed Description of Actual Services Provided by Your Company:  <i>Engconsult was responsible for the following:</i>		
<ul style="list-style-type: none"> <li>• Perform material and geotechnical investigation including mitigation measures for landslide, rockfall, snowfall and side slope;</li> <li>• Prepare a preferred alignment of the project roads and alternative design specifications;</li> <li>• Prepare an environmental assessment including environmental management plan;</li> <li>• Prepare an economic and poverty analyses of selected subprojects;</li> <li>• Perform social impact analysis including involuntary resettlement effects attributable to the Project;</li> <li>• Undertake detailed engineering survey using total station for about 162km of the road,</li> <li>• Prepare detailed engineering design of 162km mountainous road including 5km retaining structures, and</li> <li>• Prepare detailed engineering design of bridges, culverts and other drainage structures.</li> </ul>		