



Assignment Name: Geotechnical Consultancy Services for the Proposed Nyamwamba Small Hydropower Project		Country: Uganda Region: East Africa
Location within Country: Kilembe		Professional Staff Provided by Your Firm/entity (profiles): 2 Geotechnical Engineers, Engineering Geologist, Earth Resource Engineer, Geophysicist
Name of Employer: South Asia Energy Management Systems, USA		No. of Staff: 6
Address: Plot 02, Naguru Summit View, PO Box 3655, Kampala		No. of Staff-Months; duration of assignment : 50
Start Date (Month/Year): Aug 2010	Completion Date (Month/Year): Dec 2010	Project Cost: 28 Million USD Approx. Value of Services (in US\$): US \$ 30,000 (Direct) + US\$ 15,000 (Additional works)
Lead Firm : VSHydro Pvt. Ltd Sub Consultant : CECB		No. of Months of Professional Staff Provided by Associated Consultants: Not Applicable
Name of Senior Staff (Project Director/Coordinator Team Leader) involved and functions performed:		
<p>A.A.V. Dias - Team Leader S.S.I.Kodagoda - Geotechnical Engineer H.M.J.M.K. Herath - Engineering Geologist R.M.M.T. Ratnayake - Earth Resource Engineer C. Serwanga - Geophysicist</p>		
Narrative Description of Project:		
<p>The Project envisages the construction of a 12 MW Hydropower Scheme. Project components include the following;</p> <ul style="list-style-type: none"> • 2 m high Tyrolean-type Weir • Power House (6 MW, two Horizontal axis Francis Turbines) Gross head 190m • Tailrace (concrete) – 3km • Buried Penstock of 1.6 km 		 <p style="text-align: center;"><i>Project Location</i></p>
Description of Actual Services Provided by Your Staff:		
<p>CECB is providing local counterpart staff to the lead consultant in the fields of Geology and Geotechnical Engineering for carrying out a complete Geotechnical Study for the Project.</p> <p>The staff provided covers the following disciplines;</p> <ul style="list-style-type: none"> • Civil and Geotechnical Engineering • Geology <p>All geotechnical investigations and studies including borehole logging, analysis and reporting along with recommendations are to be provided. Special consultation works for the design and construction of the weir will also be provided.</p>		 <p style="text-align: center;"><i>Bore-hole Investigation</i></p>