




Assignment Name: Hydraulic Modeling & Reporting of Geotechnical Investigations and Design (Including Seepage Analysis) of the Nyamwamba Mini Hydropower Project		Country: Uganda Region: East Africa Location within Country: Kasese												
Consultant :  Center for Research & Development, Central Engineering Consultancy Bureau Ministry of Irrigation & Water Resources Management		Professional Staff Provided by Your Firm/entity (profiles): Hydraulic Engineers Engineering Geologists Hydro Geologists Civil/ Engineers Geotechnical Design Experts												
Name of the Client: Africa EMS Nyamwamba Ltd.		No. of Staff provided by the firm: 6												
Address: Plot 64, Katego Road, Kamwokya, Kampala, Uganda.		Estimated value of the Project: USD 88,100.00												
Start Date (Month/Year): August 2014	Completion Date (Month/Year): August 2015	Approx. Value of Consultancy Services (in US\$): USD 71,500.00												
Estimated Capacities of Power Plants (Approximately): Project in River Nyamwamba - 9.2 MW		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: <table border="0"> <tr> <td>Eng. A. A. V. Dias</td> <td>- Team Leader/ Project Coordinator</td> </tr> <tr> <td>Eng.(Ms) S. S. I. Kodagoda</td> <td>- Project Manager/ Chartered Engineer ;Geotechnical Design Expert</td> </tr> <tr> <td>Ms.H. M. J. M. K. Herath</td> <td>- Hydro-geologist</td> </tr> <tr> <td>Eng. W. A. S. Gunathilake</td> <td>- Civil/ Hydraulic Engineer</td> </tr> <tr> <td>Mr. Iyan Wickramathilaka</td> <td>- Engineering Geologist</td> </tr> <tr> <td>Mr. D. L. C. Pushpakumara</td> <td>- Engineering Geologist</td> </tr> </table>			Eng. A. A. V. Dias	- Team Leader/ Project Coordinator	Eng.(Ms) S. S. I. Kodagoda	- Project Manager/ Chartered Engineer ;Geotechnical Design Expert	Ms.H. M. J. M. K. Herath	- Hydro-geologist	Eng. W. A. S. Gunathilake	- Civil/ Hydraulic Engineer	Mr. Iyan Wickramathilaka	- Engineering Geologist	Mr. D. L. C. Pushpakumara	- Engineering Geologist
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Narrative Description of Project: The Project envisages the construction of a 9.2 MW Mini Hydropower Scheme. Project components include the following; <ul style="list-style-type: none"> • Weir • Desilting tank • Headrace Canal – length of 1700m • Surge tank • Penstock – length of 1600m • Powerhouse & Tailrace 		 <p style="text-align: center;"><i>Location of the proposed weir</i></p>												
Description of Actual Services Provided by Your Staff: CECB is acting as the major Consultancy Organization and carry out all the Geotechnical Investigations including Hydraulic Modeling & Reporting and Design. The staff provided covers the following disciplines; <ul style="list-style-type: none"> • Geological mapping • Logging of samples • Releasing of samples for testing work • Evaluating and Reporting of the geological stability, and obtaining parameters for the design as define in specifications 														
As per the regulations of the agreement, CECB is responsible for determination of seepage forces of the proposed weir site during floods and calculate the stability of dams, slopes, cuttings and all other hydraulic structures required for the project.														

