


Assignment Name: Professional Program Management Services for Metolong Dam and Water Supply Activities		Country: Lesotho
Location within Country: Multiple locations, including the capital city of Maseru		Professional Staff Provided by Your Firm/entity(profiles): Project Director; Team Leader Project Manager Water Treatment Works and Downstream Conveyance System; Deputy Project Manager; Home Office Contract Manager; Project Controls Specialist
Name of Client: Millennium Challenge Account-Lesotho		No of Staff: 70
Address: Level 5, Post Office Building, Kingsway, Maseru, Lesotho Name of responsible party: Mrs. Sophia Mohapi, CEO E-mail address: sophiam@lmda.org.ls Telephone: +266 2231 7017 (w); +266 5885 5502 (m)		No of Staff-Months; duration of assignment: No of Staff-Months: 765 Duration of assignment: 60
Start Date (Month/Year): 9/2008	Completion Date (Month/Year): 9/2013 * <small>* Following expiration of the MCC Compact, the CDM Smith contract was extended through 12/2015 and assigned to the Metolong Authority to continue providing services for full completion of the Programme. The value of the contract extension is approximately US\$5 million.</small>	Approx. Value of Services (in Current US\$): US\$:19,400,000
Name of Associated Consultants, if any: GHD (Pty), Ltd., Mafube Consulting (Pty), Ltd., Sechaba Consultants		No of Months of Professional Staff Provided by Associated Consultants: 560
Name of Senior Staff (Project Director/Coordinator, Team Leader) involved and functions performed: Peter Macy – Project Director; Team Leader – Jeff Hendrich (2009 – 2012), Mark Matchett (2012-2013), Edward A. McCarter (2013-2016); Steve Lowry – Project Manager Water Treatment Works and Downstream Conveyance System; Cale A. McPherson, P.E. – Deputy Project Manager; Carlton Brown – Home Office Contract Manager; William Scully – Project Controls Specialist		
Narrative Description of Project:		
 <p>MCA-Lesotho was the host government agency responsible for managing the implementation of works funded through a \$362 million compact between the Kingdom of Lesotho and Millennium Challenge Corporation (MCC), a compact that included \$86.8 million toward the cost of the \$430 million Metolong project – a key component of the overall water and sanitation sector strategy of Lesotho.</p> <p>The governments of Lesotho and South Africa, World Bank, European Investment Bank, Arab Bank for Economic Development in Africa (BADEA), Kuwait Fund for Arab Economic Development, Saudi Fund for Development and OPEC Fund for International Development provided the project finance.</p> <p>The water supply program, which benefited more than 500,000 people in the capital Maseru and neighboring towns of Morija, Roma and Teyateyaneng, involved 40 contracts for 20 projects, including:</p> <ul style="list-style-type: none"> ▪ 73-meter high roller-compacted concrete dam, multi-stage raw water intake and 2-megawatt pump station; ▪ 93 million-liter-per-day conventional water treatment plant including 1 km of 1,500 mm diameter raw water rising main, 2.5 km of 1,220 mm diameter potable water rising main and 3.5-megawatt high-lift pump station; ▪ Downstream conveyance system more than 120 km long with pipes up to 1,200 mm diameter; ▪ Ancillary pump stations, storage tanks /reservoirs up to 40 million-liter capacity, 40 km of roads, 50 village water and sanitation projects, 18 operator houses, vehicle and pedestrian bridges, a 		

wastewater treatment facility, and a 30 m³/day package treatment plant; and,

- Extensive environmental and social management activities according to IFC Performance Standards, including land acquisition, compensation for permanent and temporary servitudes, and voluntary resettlement.

The water treatment plant, dam and downstream conveyance system were implemented **using FIDIC Conditions of Contract** – the water treatment plant through alternative design-build delivery and the dam and downstream conveyance system as traditional design-bid-build projects.

Description of Actual Services Provided by Your Staff:

MCA-Lesotho awarded CDM Smith the contract to serve as the Metolong Project Management unit (PMU), responsible for

- **Program and project management services**, including **oversight of works contracts, monitoring** of design engineers and **constructors**, tracking costs and identifying / mitigating delays; procurement of consultants and contractors; project scheduling, program controls, progress reports, project reviews;
- Preparation of ToR for final design of the DCS system, **construction supervision**, and six H&S and E&S consultancies, evaluation of tenders, presentations to tender sub-committees; review of detailed designs for the water treatment plant and conveyance system prepared by consultants, review of tender documents and management-level oversight of infrastructure consultants and contractors;
- **Construction supervision**, responding to claims with Engineer Determinations, requests for Clarification, monitoring quality, reviewing pay certificates;
- **Environmental management** i.e. Environmental and Social Impact Assessment (ESIA) and Environmental Monitoring Plan (EMP) documents
- **Dealing with issues related to cultural sites and relocation of burial sites**, as well as socio-economic and public health issues associated with land acquisition, relocation, Resettlement Action Plan (RAP), local employment, working conditions, HIV/AIDS programmes, and human trafficking;
- **Financial management**, including cost monitoring, evaluation and reporting; community liaison / stakeholder co-ordination; and,
- Significant **training and capacity building** through the professional team's daily mentoring and engagement with local staff.

Summary:

- ✓ Construction management and supervision of works contracts for:
- ✓ Rehabilitation of water supply networks
- ✓ Rehabilitation of water reservoirs
- ✓ Geographically separated towns
- ✓ FIDIC
- ✓ Contract value > 3,000,000 EUR
- ✓ Completed during the last 5 years

Firm's Name: CDM Smith