EDUCATION FOR EMPLOYMENT - TANZANIA

MADINI: Mining and Development Industry Needs Initiative

Partners:
Mineral Resource Institute (MRI), Dodoma, Tanzania
College of the Rockies, Cranbrook, British Columbia

Length of Partnership
January 2010 – October 31, 2011

Funding Amount:
$413,334 comprised of a CIDA contribution of $300,000 and an in-kind contribution of the Canadian college of $113,334.

The Partners:

Mineral Resources Institute
Mineral Resources (Madini) Institute (MRI) which is a tertiary training institution located at Mbwanga, Dodoma Municipal 8.0 km on the Dodoma – Arusha road. It is hundred percent (100%) owned and funded by the government as one of the departments/units operating under the Ministry of Energy and Minerals. It has recently become affiliated with the University of Dodoma, a university created in 2007.

Establishment and Accreditation of the Institute:
The Institute was established in 1982 producing one –year mineral resources technology certificate technicians who were mainly employees of the Ministry of Energy and Mineral (in house training program). Three year Full Technician Certificate (FTC) training curricula were developed at the institute and later were validated by the National Examination Council of Tanzania (NECTA) and the National Council for Technical Education (NACTE) for training in 2002. The FTC training replaced the one year certificate training programme in the effort to improve quality of technicians for the growing industry in the Tanzania.

In 2005, FTC training was abolished and in its place, the National Council for Technical Education (NACTE) which, is a Regulatory Authority for technical institutes/colleges, established Competence Based National Technical Awards (NTA) Education and Training System. NACTE established ten (10) NTA levels (1-10) for technical education. Entry level at the Mineral Resources (Madini) institute is NTA level 4, which is the case for all technical training institutes. MRI was Full Accredited to conduct Certificates and Ordinary Diploma courses on April, 2007.

MRI currently offers programs in geology and mineral exploration, mining engineering and mineral processing engineering, with an enrolment of approximately 200 students.
**College of the Rockies**

College of the Rockies (COTR) has successfully managed a variety of international development projects including college partnerships in sustainability in Africa and South America. Situated in the heart of the Canadian Rocky Mountains, COTR is a globally-engaged community college with six campuses within an area the size of Switzerland. This region boasts world-class all season resorts, stunning mountain scenery, and is rich in natural resources. COTR was founded in 1975 and has approximately 2500 full time and 8000 part time students with over 300 instructional and support staff. COTR is interested in sharing their extensive international experience to explore a new partnership with MRI in Tanzania.

**The Project**

Intending to move from a knowledge-based to a competency-based system of education and training, the Mineral Resource Institute (MRI) will collaborate with College of the Rockies (COTR) to undertake a variety of activities to become a centre of excellence in training of mid-cadre personnel and professionals in the mineral sector. This Institutional Partnership will enable MRI to achieve its vision by providing local training and skills directly linked to those required by the mineral sector. Priority issues for MRI include: competency based education and training (CBET); curriculum design skills; training in teaching methodologies; practical field experience for instructors/tutors; environmental and gender considerations in mining; entrepreneurial skills training; the acquisition of equipment, software and teaching models; and capacity building for MRI tutors and management. This partnership will help MRI to support the Tanzanian economy by providing training and skills required by the mineral sector, benefiting MRI management, tutors and students, and mineral sector employers, employees, and the self-employed.