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REGIONAL TRAINING WORKSHOP ON ENVIRONMENT, COMMUNITY, HEALTH & SAFETY IN THE LOW VALUE MINERALS AND MATERIALS (LVMM) SECTOR

ADDIS ABABA NOVEMBER 9-12, 2015

RETURN TO WORK (RTW) PLANS FOR UNDP SPONSORED PARTICIPANTS

GENERAL INFORMATION		
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Brief Description of the project:	<p>The Tanzanian Parliament promulgated a 2010 Mining Act and has initiated regulations and programs to strengthen institutional capacities of SSM while improving safety, health, community relations and environmental performance due to mining. However most of initiatives and efforts are geared towards gold mining. ASM of building and industrial materials which ranks 2nd after ASM of gold remained unattended.</p> <p>This project intends to assist the Government to achieve its baseline environmental and social awareness by undertaking following key tasks:</p> <ol style="list-style-type: none">1. Assessment of land degradation of abandoned and active LVMM mines near major towns of Dar es Salaam and Dodoma since 2000.2. Strengthened institutional capacities of the Regional Miners Associations (REMAs) in Dar es Salaam and Dodoma Regions through safety, health and environment outreach and training activities in order to improve social, environmental and safe work performance.3. Monitoring of miner's safety, health and environmental performance and expand the project objectives to other major cities of Mwanza, Arusha, Morogoro and Tanga.	
Expected Outcomes:	<ol style="list-style-type: none">i. Established GIS based remote sensed geo-database showing land degradation from LVMM quarrying and mining in Mwanza, Arusha, Dar es Salaam, Dodoma, Morogoro and Tanga since 2000;ii. Available Training manual and Trained LVMM miners in safety, health and environmental issues;	

	iii. Reduced health and occupational safety risks, improved environmental performance through use of protective gears (EPP) and practicing better and appropriate technologies;
Expected Outputs:	i. This programme will contribute to improve miners health and reduce occupational risks in ASM of building and industrial materials; It will also improve the environmental performance; ii. Available training manual and improved and safer working conditions; iii. It will produce technical papers which will be presented in the coming Geological Society of Africa (GSAf) in Ibadan Nigeria 2016.
Please describe how you plan to implement the return to work project: (outline key partnerships and collaborations across sectors in your country as well as any joint collaboration with other countries)	Implementation plan 1. Phase 1 – Remote sensed data gathering & interpretation of site destruction coverage operated by ASM - in LVMM sector, using GoogleEarth and low resolution LandSat imageries. 2. Phase 2 – Dar es Salaam and Dodoma sites visit and ground truthing followed by geological mapping, and evaluation of OSHA practices and identification of training needs. University of Dar es Salaam (UDSM), African Minerals and Geosciences Centre (AMGC) team and State Mining Corporation (STAMICO) team will be working on the Dar es Salaam quarries; and Geological Survey of Tanzania (GST) will work on quarry sites near Dodoma; UDSM and AMGC will develop training manual on safety, health and environmental issues and training programs on labour issues (safety, health and environment) 3. Phase 3 – Safety, health and environmental outreach and training programs on labour issues (safety, health and environment), geological data, mining, crushing and entrepreneurship in Dar es Salaam Region will be conducted by Ministry of Energy & Minerals (MEM), UDSM, STAMICO and AMGC. GST will undertake LVMM training in Dodoma area, using same training manual 4. Phase 4 – Monitoring and evaluation of output and results including duplication of the efforts to other major cities of Mwanza, Arusha and Tanga.
What indicators of success will you employ? (include indicators of success that go beyond activity-level implementation)	<ul style="list-style-type: none"> Indicators of phase 1 – GIS-based geological maps covering LVMM for the cities of Dar es Salaam and Dodoma, but also showing the rate of land degradation; Indicators of phase 2 – Training Manual will be available; set of environmental geological maps showing LVMM destructed sites in Dar es Salaam and Dodoma; Indicators of phase 3 –outreach, meetings OHSE and community relations trainings and meetings reports with major stakeholders; Indicators of phase 4 – Miners use protective gears (EPP), including final project report.
What other strategic opportunities have you identified that will contribute to the success and sustainability of your project? (include opportunities linked to national level policy, strategies and programmes as well as linkage to sub-regional and regional agenda)	Tanzanian Mining Act 2010 has Mining (HSE Protection) Regulations, 2010 and Mining (Environmental protection for SSM) Regulations, 2010 which stipulates issues of safety health and environmental protection to ASM sub-sector. With its vastness, the Government lacks mechanism to act “on the ground”. The project will take this knowledge and change ‘on the ground’, through environmental outreach, training and demonstration to ASM. The project has active geoscientists and mining engineering expertise in LVMM which are centered at University of Dar es Salaam (UDSM), State Mining Corporation (STAMICO), Tanzania Geological Survey (GST), AMGC and from the Ministry of Energy and Minerals (MEM). The team will ensure wider understanding of little-known or little understood ideas through demonstrations; it will provide them with the resources, capacities and skills to impact health, safety and environmental change through knowledge.
What aspects of the training will be most useful in implementing your project? Explain	Aspects of training that were useful include the health, safety and environmental issues; most miners do not use protective gears in the working environment and they do not consider the environmental protection practices during mining operations. Hence after mining, most areas remained unattended, which, in most cases results into negative environmental impacts.

<p>What are your future plans? (include any additional capacity building needs for your professional development that you have identified during the course of the workshop).</p>	<p>If the program is executed, it will add innumerable geological data of ASM engaged in building and industrial materials to the national geological data base in Tanzania Geological Survey; The data will be shared to other stakeholders, including road constructions projects.</p> <p>The OHS practice that will be employed to a specific ASM centre will be diversified to other places of the country.</p> <p>The capacity building on HSE protection in LVMM Sector based on successful practical case studies will be of importance.</p>
<p>Implementation timeline (please detail out timeline for the stated above implementation plan [month/year])</p>	<ol style="list-style-type: none"> 1. Phase 1 December 2015 to March 2016 – Data gathering, & interpretation of the satellite imageries. Responsible Institutions - GST (Msechu); UDSM (Gama, Kinabo) 2. Phase 2 <ul style="list-style-type: none"> • April 2016 to May 2016 Ground truthing and geological mapping Institution – STAMICO (Bernard, Zukira), AMGC (Safina, Mkama Lucas); GST (Msechu), UDSM (Gama, Kinabo) • June 2016 to July 2016 evaluation of OSHA practices and identification of training needs. Institutions: MEM (Mtoro), UDSM (Gama, Kinabo); • August 2016 to September 2016 UDSM will develop training manual on safety, health and environmental issues and training programs on labour issues (safety, health and environment). Institutions: MEM (Mtoro), STAMICO (Bernard, Zukira), AMGC (Safina, Mkama Lucas); GST (Msechu), UDSM (Gama, Kinabo) 3. Phase 3 August 2016 to December 2016 training on Safety, health and environmental issues, geological data, mining, crushing and entrepreneurship. Institutions: MEM (Mtoro), STAMICO (Bernard, Zukira), AMGC (Safina, Mkama Lucas); GST (Msechu), UDSM (Gama, Kinabo) 4. Phase 4 December 2016 to 2017: Monitoring and evaluation of output and results including duplication of the efforts to other major cities of Mwanza, Arusha and Tanga. MEM (Mtoro), STAMICO (Bernard, Zukira), AMGC (Safina, Mkama Lucas); GST (Msechu), UDSM (Gama, Kinabo)