

REPORTING STRUCTURE

GENERAL INFORMATION	
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Brief Description of the project:	<p>Across Tanzania high numbers of women participate in artisanal mining activities of which mining of building materials rank the 2nd after artisanal small scale gold mining. Their activities support multiple dependents through mining-related livelihoods. Yet little is known about their impacts in terms of socio-economic activities, health and safety risks, and overall environmental impact. The proposed project will thereof address some of these challenges and formulate impact related activities including:</p> <ol style="list-style-type: none"> 1. Geology related issues – women miners do not distinguish different minerals and rocks which influence quality of their products and have poor knowledge on the resources available; 2. They lack technical know-how, skills to access finances, equipment and competent markets; 3. Labor issues - health and safety, working conditions, training, child labour in crushing of stones <p>The initiative will therefore enhance women’s skills, arise awareness of health and safety issues, with consideration of children who may accompany their mothers or take part in mining and crushing activities. The underlining projects challenge is the social norm, which prevents women from benefiting from these activities.</p>
Expected Outcomes:	<p style="text-align: center;">Outcomes - impacts</p> <p>The research will generate new knowledge on women’s experiences in the informal mining sector. It will determine if these activities can support economic progress for women, and the effect of new government regulations on these potential gains.</p> <p>The ultimate goal is to enhance evidence-based decision-making on women’s economic empowerment through small-scale mining, particularly in fragile contexts, including generating geological data, resources evaluation through trenching, training and designing crushing systems.</p> <p>Researcher will meet with policymakers and private sector representatives to share research results and discuss policy options to maximize women’s benefit from involvement in mining.</p> <p>Finally it will be part of her thesis for Masters degree program.</p>
Expected outputs:	Outputs

	<p>This programme will provide a clear indication of geological and technological problems facing the women miners engaged in sand and aggregate mining and points out what needs to be done to alleviate these problems.</p> <p>It will provide a clear assessment of the local capacity in solving the identified social, economic and environmental problems;</p> <p>It will where necessary indicates the need for importation of mining and crushing technologies and their sources. Local capacity for fabrication of working tools will also be identified.</p> <p>Through capacity building, the proposal will provide miners with appropriate and reliable environmentally acceptable mining and sieve grading technologies that will improve their working conditions and revenue earnings.</p> <p>It will produce technical papers which will be presented in the coming Geological Society of Africa (GSAf) in Ibadan Nigeria 2016.</p>
<p>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)</p>	<p>Implementation plan</p> <p>Phase 1 – Mapping the women miners dealing with building materials in Dar es Salaam Region in Tanzania – it will review issues, what is known about the challenges in the building stones industry and understanding the scale and contribution to livelihoods.</p> <p>Phase 2 – Assessment of sand and rock qualities and quantities; blasting and excavation methods; crushing tools and equipment; market requirements;</p> <p>Stage 3 – training of women miners – labour issues (safety, health and environment), geological data, mining, crushing and entrepreneurship;</p> <p>Stage 4 – Monitoring and evaluation of output and results including replication of the efforts to other centers along the coastal plain of Tanzania (Tanga, Lindi and Mtwara Regions)</p>
<p>What indicators of success will you employ? (include indicators of success that go beyond activity-level implementation)</p>	<ul style="list-style-type: none"> • Indicators of phase 1 – full report on the sector’s structural challenges on migration; social and environmental protections; poor access to financial services, market information, technology, and geological data; • Indicators of phase 2 – geological data will be available; reserves will be estimated; all geological, technological and marketing requirement will be outlined in reports; • Indicators of phase 3 – improved social and economical welfare due to improved productions; training reports. • Indicators of phase 4 – Continual improvements in working areas, use of protective grears, improved land use including final project report covering the Regions of Mtwara Lindi Dar es Salaam and Tanga
<p>What other strategic opportunities have you identified that will contribute to the success and sustainability of your project? (include opportunities linked to national level</p>	<p>There is a large amount of practice-informed knowledge in the ASM sector, offering ‘hands on’ experience of what does and doesn’t work. However, much of it is neither written down nor publicly shared.</p> <p>The project will take this knowledge and change ‘on the ground’, through training and demonstration to the women miners. This training will differ from “on going conventional trainings” as it will be intended to</p> <ul style="list-style-type: none"> • Helping individual women participants find their way through dispersed information • Ensuring wider understanding of little-known or little understood ideas through demonstrations; • Providing them with the resources, capacities and skills to impact health, safety and environmental change

<p>policy, strategies and programmes as well as linkage to sub-regional and regional agenda)</p>	<p>through knowledge</p> <ul style="list-style-type: none"> • Bringing together a diverse range of NGOs and other stakeholders to build a community of shared values and standards • Enabling participants to carry out their individual activities more effectively through learning from their peers including licensing Primary Mining Licenses (PMLs) to LVMM miners, assessing the resources and enabling them to pay revenues and taxes to the Local and Central Government as per Mining Act 2010.
<p>What aspects of the training will be most useful in implementing your project? Explain</p>	<p>Aspects of training on “Stones for Development” training that are useful include:</p> <ul style="list-style-type: none"> • information on geology, resources assessment and reserve estimation, mining, processing and associated technology, markets, loans, credit facilities; • practise on adding values to the crushed stones through grading using tools (sieves) and machines
<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>The study lays a foundation for action-oriented research or direct tackling of artisanal mining problems. Consequently, it provides local research Institutions (Madini Research Institute, University of Dar es Salaam and University of Dodoma will engage students to undertake research projects; and others with agenda for solving artisanal mining problems with the required information and a working basis.</p> <p>It is also unclear how increased regulation by governments will affect women miners. This project will fill both of these knowledge gaps by determining if women are benefitting from artisanal mining and how this could change with increased regulation of the sector.</p> <p>It will produce technical papers which will be presented in the coming Geological Society of Africa (GSAf) in Ibadan Nigeria 2016.</p> <p>Time line of activities</p> <ol style="list-style-type: none"> 1. December 2015 - Progress Report on the LVMM at Mji Mwema Dar es Salaam 2. January 2016 to June 2016 - Geological mapping of LVMM fields of Mji Mwema and later the aggregate and sand quarrying centers of the Dar es Salaam Region; 3. June 2016 to December 2016 - Resources evaluation mapping through shallow pits and trenches 4. January 2016 to March 2016 - Training on enterprenuership, legal aspects and social issues (child labour, safety health and environment (SHE)) to the women miners.