

PROGRESS REPORT FOR Ms. WINFRIDA MTEGA DECEMBER 2015

GENERAL INFORMATION		
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Brief Description of the project:	DESCRIPTION OF THE PROJECT REMAINS AS PER RWP FILLED FORM As a beginning of the project, area that was selected for intervension is the Dar es Salaam Region and the commodity is the mining of limestone for aggregates and rip rap (boulders) for construction industry. This report focuses activities at Mji Mwema (Figure 1), Kigamboni in the outskirts of the city of Dar es Salaam, which has about 100 women engaged in mining and crushing of limestone aggregates. The satellite imagery shows the location.	
Expected Outcomes:	Outcomes - impacts	
	Initial impacts <ol style="list-style-type: none"> 1. Using remote sensing technology, it was reveiled that there are several quarry areas in the city of Dar es Salaam, mining limestone aggregates and sand for the construction purposes (Figure 2). 2. Among active quarries are Mji Mwema in Kigamboni area. This area was selected for intial intervention with the small scale women miners (Figure 1). The population of women miners exceed 100, children and toddlers are excluded; they are divided into two group – those directly engaged in aggregate crushing earning max 2 dollars a day; those middle women buying crushed aggregates and sell it to the truck owners, of which they pay 8 dollars (4 dollars for haulage; 4 dollars for revenue); 3. Site visit showed uncontrolled mining activities – safety & health issues are not considered, women work more that 12 hours with minimal incomes of two dollar a day; the site photos (Figures 3, 4, 5, 7 and 8) elaborate the field situation 	
Expected outputs:	Outputs	
	Initial Outputs The problems facing LVMM women miners came out clearly including <ol style="list-style-type: none"> 1. Legal – work for long hours with minimal pay; they have no associations to defend their benefits; they don't understand procedures for licensing procedures to aquire mining plot or claim 2. Social – child labour (Figure 7 right), poor safety and health working environment; 3. Geological – Dispite well exposed geological formations (Figure 6) they lack geological maps, resources assessment maps; 4. Technological – poor mining and crushing methods practiced, using rudimentary tools (Figure 4). 	

	<ol style="list-style-type: none"> 5. Economic – poor payments – two dollars a day for aggregate crushing women and heavy levies up to 10 dollars for middlewomen 6. Environmental problems – increased erosion, dust, siltation, tree cutting – shown in Figures 3, 4, 5, 7 and 8. 7. Data collected for the preparation of technical paper for the coming Geological Society of Africa (GSAf) in Ibadan Nigeria 2016.
<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 of the plan up to December 14, 2015</p> <p>Phase 1 as outlined in RWP filled form is 80% completed. This includes</p> <ol style="list-style-type: none"> 1. Mapping of LVMM areas in the Mji Mwema area as shown by satellite imagery Figure 1; 2. Reviewing of the challenges of LVMM in terms of geological, technological social, economic and environmental aspects in Mji Mwema area in Kigamboni, Dar es Salaam Region; Report on Mji Mwema to be submitted as illustrated next section on success indicators <p>What is remaining</p> <ol style="list-style-type: none"> 1. Scale of LVMM operations in the Region of Dar es Salaam; 2. Environmental impacts due to sand and aggregate mining; and 3. Contributions of LVMM to the livelihoods.
<p>What indicators of success will you employ? (include indicators of success that go beyond activity-level implementation)</p>	<p>Indicators of phase 1 is a full report of Mji Mwema LVMM operations on the sector's structural challenges on migration. The report is under compilation which covers;</p> <ol style="list-style-type: none"> 1. social economic status of women miners in the LVM M sub-sector; 2. challenges facing women in access to legal and financial services, market information, technology and geological data – interview results <p>The Mji Mwema Report will be submitted to UNDP offices end December 2015 / early January 2016 as it requires some data inputs from the Ministry of Energy and Minerals, United Republic of Tanzania (see next section on opportunities and sustainability).</p>
<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 policy, strategies and programmes as well as linkage to sub-regional and regional agenda)</p>	<p>The project has strategic questions which were submitted to the Ministry of Energy and Minerals, United Republic of Tanzania which includes the following:</p> <ol style="list-style-type: none"> 1. What are the strategies / policies that are in place to empower women miners, specifically for LVMM? 2. What are potential areas that available for the womern to apply for a Primary Mining Licence for mining limestone in the Region of Dar es salaam? 3. Any capacity building initiatives together with the research institutions (Madini Research Institute (MRI), University of Dar es Salaam (UDSM) and University of Dodoma(UDOM))? 4. What are the potential NGOs that are closely working with ASM? What is the outcomes/outputs in terms of environmental protection, poverty alleviations? <p>These questions will be included in the report to be submitted to UNDP offices in end of December 2015 / Januari 2016</p>

<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>Future Plans January 2016 onwards will include implementation of the plan Phases 2 to 4 including</p> <ol style="list-style-type: none"> 1. January 2016 to March 2016: Geological mapping of LVMM fields of Mji Mwema and later the aggregate and sand quarrying centers of the Dar es Salaam Region; 2. April 2016 to July 2016: Resources evaluation mapping through shallow pits and trenches 3. January 2016 to July 2016: Training on enterprenuership, legal aspects and social issues (child labour, safety health and environment (SHE)) to the women miners; Area: Dar es Salaam Region 4. August 2016 onwards: Extending the activities to other remaining three regions of Tanga, Lindi and Mtwara which are also engaged in mining and crushing of limestone aggregates.
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Figures



Figure 1. Mji Mwema Dar es Salaam showing aggregate and sand mining active quarries (AA) – location 37M 538480 and 9242600, 20m asl

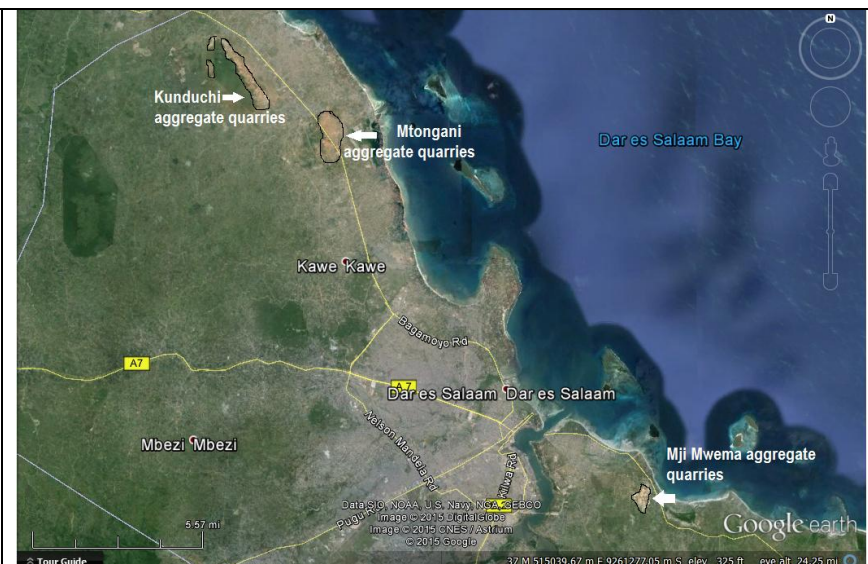


Figure 2. Part of Dar es Salaam Region showing aggregate and sand mining active quarries in Mji Mwema, Mtongani and Kunduchi areas.



Figure 3: Women crushing aggregates (left); researcher Ms. Mtega interviewing women miners, some pregnant, some with children (right)



Figure 4: Working tools used to mine and crush limestone rocks



Figure 5: Transporting aggregates to collection point (left); researcher collecting data on the aggregates ready for loading to the trucks (right).



Figure 6: Vast limestone deposits but lacking geological mapping, grade and tonnage of limestone for extraction.



Figure 7: woman crushing aggregate (left); children in mines (right)



Figure 8: Crushing weathered rocks for construction

