

## MSA DUE DILIGENCE MINE VISIT REPORT

**COMPANY:** [REDACTED]

**Date visit:** April 9<sup>th</sup>, 2014

**MSA staff:** Jean de la Paix Ngizimana, Senior Geologist

Patrick Kanyambiriri, Marketing Officer

### 1. Background

MSA, through its Marketing Department and Due Diligence Team, makes visits to its suppliers' mines as requested by the OECD Model Supply Chain Policy and due diligence guidance for OECD responsible Global Supply chains of Minerals from conflict and high risk area. During the visit, MSA gets to know how the mining operations are run and advises on good mining practices when necessary. The focus of the visit is also to reinforce the business relationship between MSA and the supplier. Please note that the following information relates to the date we visited the mine.

### 2. Company Identification

#### 2.1 Administrative Location

Province	District	Sector	Cell
Southern	Muhanga	[REDACTED]	[REDACTED]

#### 2.2. Company Legal status

Individual share holders	Coop	Permit / License type				Manager / Representative details	
		Exploration	Mining	Date issued	Expiry date	Names	Tel
Yes	No	No	Yes	2013	2015	[REDACTED]	[REDACTED]

### 2.3. Mining operation sites GPS coordinates

SN	Name	GPS coordinates / Datum : WGS 84 Transverse Mercator				
		Easting (X)	Northing (Y)	Mineral type	Operation size	
					Artisnal	Industrial
1				Mixed coltan / cassiterite	Yes	No
2				Mixed coltan / cassiterite	Yes	No

## 3. Production

### 3.1. Mining activities

SN		Mining history	Time visit Magnitude mining activities			
			High	Medium	Low	Closed
1		Recent	No	Yes	No	No
2		Recent	No	Yes	No	No

### 3.2. Mining operations type

SN	Mining Site	Type of mining operations		
		Open pit	Underground	
			Shafts	Tunnels
1		No	No	Yes
2		No	No	Yes

### 3.3. Production details

SN	Mining Site	Mineral concentrates: Mine book production recording					
		Period	Type	Quantity Kg / month	MSA Agent comments		
					Reasonable	Month average supply to MSA	Comment
1	██████████	2014	Mixed coltan / cassiterite	2500	Yes	Cassiterite: 5499 kg Coltan: 31 kg Wolfram: 62 kg.	Note that the supplied cassiterite is a cumulative production from all the three sites ██████████, ██████████ and ██████████ (not yet visited)
2	██████████	2014	Mixed coltan / cassiterite	1500	Yes		

### 4. Mine workers

Total number		Permanent		Temporary / Casuals		Number worker on site at time visit		Payment			Empl o y e e s  a g e  r a n g e
		Mal e	Fema le	Mal e	Fe ma le	M	F	Month salary		Kg produced	
Ban k acc oun t	Cash							Amount (RwF) / kg			
<div><div></div></div>	60	1	1	50	8	30	3			5000	20 -45
<div><div></div></div>	50	1	1	39	9	21	2			5000	21 - 47

## 5. Mineral processing

Minerals washing water availability					Type of minerals processing				Comment
Gravity water	Pumping	EWASA	Water truck	Water jerry cans	Ground sluicing	Wood sluice	Concrete sluice	Plant	
Yes	No	No	No	No	Yes	No	No	No	

## 6. Mining safety

Mining site	Open pit mining safety risk factors			Underground Pit / tunnels mining safety risk factors			Injury accident recorded	Death accident recorded
	Steep walls	Falling rocks	Fence around deep pit	Wood support	Unstable hanging rocks	Underground water		
	No	No	No	Yes	No	No	0	0
	No	No	No	Yes	No	No	0	0

## 7. Environment protection

### 7.1. Negative Environmental mining practices



Erosion by water booming to remove overburden (Kunihura)	Washing ore minerals / releasing waste in stream	Landscape degradation (digging anarchy holes)	Unauthorized cutting trees / deforestation
No	No	No	No

### 7.2. Positive Environmental mining practices

Settling dams (Number)	Minerals waste dumping site /	Waste solid rock dumping site	Nursery / Planting trees / Anti erosive terraces	Comment
4	No	No	No	-

## 8. Health and Safety



### 8.1. Personnel Protection Equipment (PPE)

Total Number working at site		Number workers wearing overalls	Number workers wearing helmets	Number workers wearing rain boots	Number workers wearing gloves	Number workers wearing dust masks
	60	45	25	45	10	0
	50	40	18	40	10	0

### 8.2. First Aid kit

First aid kit available on mining site	Number Trained workers in team for first aid help
Yes	2

### 8.3. Health Insurance

Total Number working at site		Number workers affiliated to Rwanda Social Security Board (RSSB)	Number workers affiliated to other insurance company SORAS	Toilets	Bathing shelter		Working clothing changing room	
					Male	Female	Male	Female
	60	-	30	Yes	No	No	No	No
	50	-	20	Yes	No	No	No	No

## 9. Conclusions and recommendations

### *a. Production*

MSA Due diligence team has visited only two sites which are producing, the third mixed coltan / cassiterite ( [REDACTED] ) and [REDACTED]. wolfram site will be visited next time; the production from the two visited sites seem to reflect realities on ground.

### *b. Mining safety*

Tunnels are wood supported and safe.

### *c. Health and safety at work*

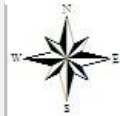
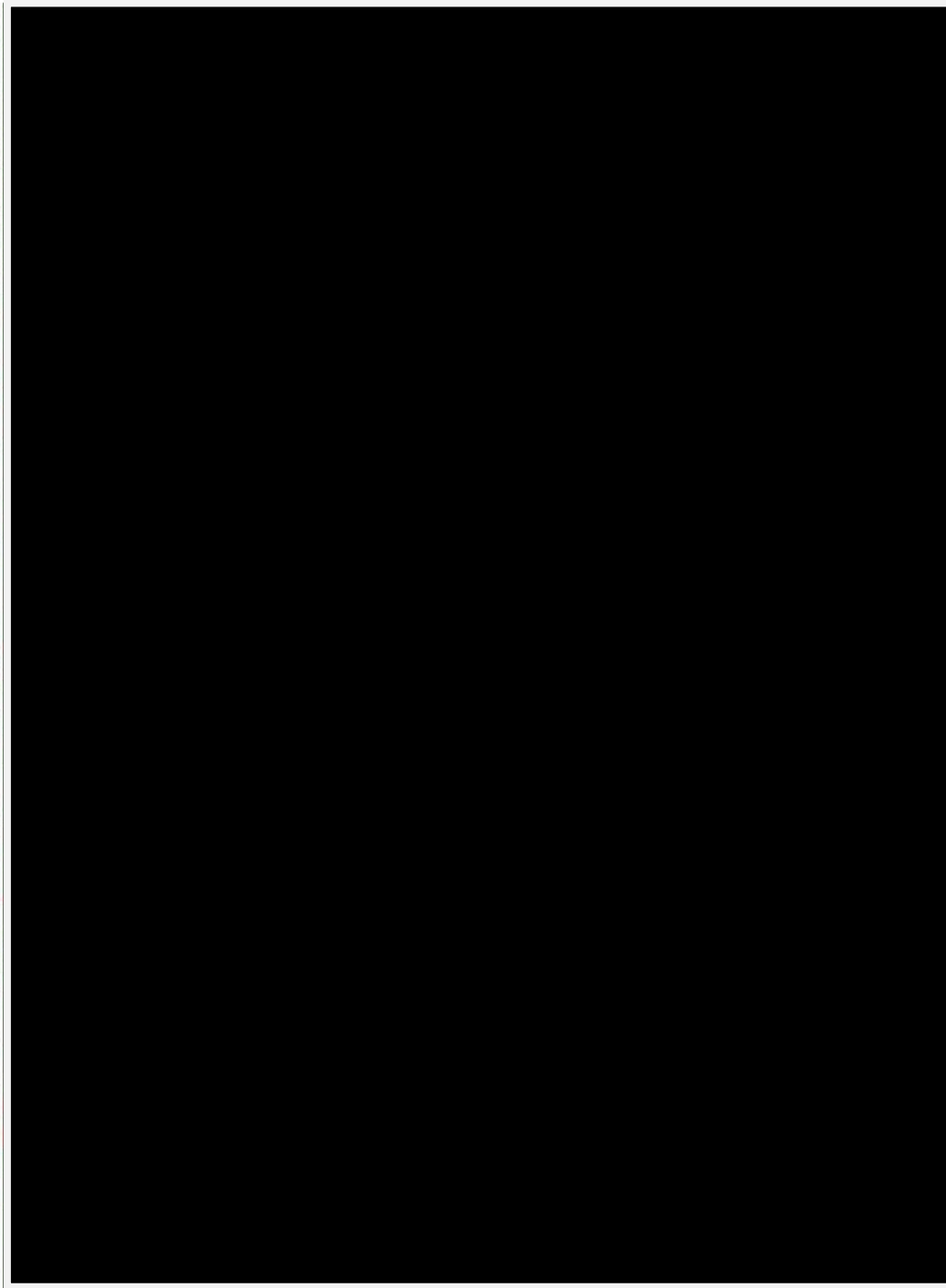
Small number didn't wear overalls and rain boots, MSA team recommends that all workers should have and wear Personnel Protection Equipment.

### *d. Environmental protection*

There is no environmental protection, two settling dams have been dug and retain used mine water before it is released in stream.

## ANNEXES

## MUHANGA DISTRICT



0 0.2 0.4 0.8 Kilometers

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April 2014



Photo showing tunnel at [REDACTED], [REDACTED], mine site, Muhanga District





Photo showing minerals washing by ground sluice at [REDACTED] mine site, Muhanga District