

The estimated mine life can be extended further upon further delineation of the resource beyond 30m and if the remaining southern portion of the area is investigated further.

## **5. PLAN TO RAISE FINANCE**

The company plans to raise finance and capital as follows:

- a.) Equity contribution from shareholders; this will include resources such as equipment from the company's other operations which are being downsized due to shortage of raw materials
- b.) Loans from financial institutions at home and abroad

## **6. PROGRAM OF MINING OPERATIONS**

The company shall establish an open pit mine with 3.5m to 5 m benches. The mine will be developed in stages beginning with overburden removal in the first 3 to 6 months of operation. The open pit will be accessed via a ramp which will be designed to allow two 25 ton trucks to bypass each other. Ore will be transported to a primary crusher on site where rocks will be reduced in size.

During mining, rock drilling will be followed by blasting with dynamite to fragment in situ rocks. Explosives

magazines will be established on site to store explosives. It is envisaged that blasting will take place three times per week but may be reduced to once or twice depending on ore stockpile levels and market consumption. A water bowser will be used to suppress dust during mining and haulage operations.

The company will produce aggregate products for the local market and will proceed to add value through the production of building blocks, pavers and other products.

**a.) Schedule of Activities**

<b>Years</b>	<b>Activities</b>	<b>Estimated Costs (USD)</b>	<b>Planned production</b>
0-1	. Set up of camp, warehouses and mine offices . Overburden removal	250,000	Site preparations and overburden removal  Stockpiled initial production
2-3	. Ramp up production to . Plant procurement, relocation and	750,000	936 000T per annum primary raw material production

	<p>construction: crushers, conveyors, dust abatement, storage sheds, weigh bridges and workshops</p> <p>.Ramp up to full production . Environmental Protection Fund First Audit Report</p>		
4-5	<p>More Value addition: Block making, pavers, introduction of other aggregate products Establishment of Sales Office in Solwezi</p>	250,000	1.872 MT per annum primary raw material production
6-25	Steady state production	250,000	

**b.) Mine Equipment**

<b>No.</b>	<b>Description</b>	<b>Model</b>	<b>No. of Units</b>
<b>A. Mineral Processing/Material Handling</b>			
1	Hopper	12M3	1
2	Vibrating Grizzly Feeder	ZSW-490X11011	1
3	Jaw crusher	PE-750X1060	1
4	Impact crusher	PF-1315V	1
5	Impact crusher	PF-1010V	1
6	Vibrating screen	2YK-2160	1
7	Vibrating screen	2YK-1854	1
8	Conveyor belt	B-1000X30M	1
9	Conveyor belt	B-1000X30M	1
10	Conveyor belt	B-1000X27M	1
11	Conveyor belt	B-1000X10M	1
12	Conveyor belt	B-650X10M	1
13	Conveyor belt	B-650X17M	1
14	Conveyor belt	B-800X20M	1
15	Conveyor belt	B-650X20M	1
16	Conveyor belt	B-500X20M	1
17	Conveyor belt	B-500x15M	1

<b>16</b>	Steel structures	23 TONS	As required	
<b>18</b>	Electrical control assembly	PK5-563	1set	
<b>B. Mining Equipment</b>				
<b>1.</b>	Excavator	XGPC 200	1	
<b>2.</b>	Excavator	XGPC 380	1	
<b>3.</b>	Frontend loader	XG 958	2	
<b>4.</b>	Frontend loader	XG 360	2	
<b>5.</b>	Tipper truck	ZZ 325 7N3647B	10	
<b>6.</b>	Drilling machine	LGD 2000	2 SET	
<b>7.</b>	Air compressor	TSCA 363	5	
<b>8.</b>	Water pump	SQQP 111	10	
<b>9.</b>	Grader	LGG 230	1	
<b>9.</b>	Roller	LGR 320	1	
<b>10.</b>	Water cart	ZZ 325 N364S	2	
<b>11.</b>	Air pickaxe	SM1TS121	5 SET	
<b>12.</b>	Welding machine	SY-S66	5 SET	

<b>13.</b>	Hand cutter bar	BOSS	5	

**c.) Employment of Zambians**

The mine shall recruit and train local Zambians within the project area but will also recruit from the district to supplement technical skills which may be absent in the local environment.

Proposed employment shall be as follows:

<b>Position</b>	<b>Number</b>	<b>Nationality</b>
CEO/Managers	3	Foreigners
Managers	3	Zambian
Human Resource and Administrative Staff	5	Zambian
Accounting	5	Zambian

Sales and Marketing Staff	4	Zambian
Technicians	10	Zambian
Supervisors		Zambian
Machine operators	20	Zambian
Drivers	30	Zambian
Miners	20	Zambian
General workers	150	Zambian
Total	250	

## 7. Local Business Development

The company plans to contribute to the generation of local business opportunities as follows:

- a.) Zambian business persons will be encouraged to establish sales outlets for company products
- b.) Contract work shall be reserved for qualified and experienced Zambian companies especially from within the project area

- c.) Services such as canteen facilities and cleaning services shall be reserved for  
Zambians
- d.) The company shall offer training to  
Zambian entrepreneurs to improve  
quality of services in areas relevant to the  
company's operations