

**PRT TANZANIA INCORPERATED LIMITED.**

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## **GOLD MINING PROCESSING BUSINESS PLAN**



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## **1. EXECUTIVE SUMMARY**

PRT TANZANIA INCORPERATED LIMITED is located at Dar es salaam-Tanzania, along kawe beach near Times Fm

Company intend to develop 19 Primary Mining Licences for gold ore stage by stage starting with 1 Primary Mining Licences which is located at kigosi, Bukombe district-Tanzania which belong to Shazda Laurent Sangu through Joint venture,we are in the Primary stage to start the development process for the (1) Primary Mining Licence, form September 2025.

We have done individual preliminary sampling which shown positive presence of gold.

We have collected some samples and tested to the Government laboratory that indicated (2.72 ppm) this has given us a starting point to keep more exploration process to start mining Gold and setting a Gold CIP and CIL Plant. The project will be managed by both parties 50/50.This Gold processing mining project aiming to extract gold from 90% to 95% through CIP and CIL Plants.

Building up Gold CIP and CIL Plants will lead to extract almost gold nearly from 90% to 95% that will increase revenue for both Parties, since we will be processing all the products from the mining and the tailings around mining site and neighbouring village from small scale miners.

Small scale miners extract only 30%-40% of gold from tradional processing,this project tend to process remaining percentage for gold in the tailing that will increase their revenue, government as well will increase it's revenue through service leavy,Tra Taxes and Royalties. The company will keep developing the remaining licences with father primary exploration to sustain extraction process with compliance with the regulations and environmental standards. Company will contribute to the local economy by providing employments also local supply of some materials needed in the projects.

Government will increase it's revenue through tax (payee and SDL) Royalties' and service levy after starting production to extract gold

The project is expected to provide employments, local supply of some materials needed in the projects and contribute to the local and national economy through taxes, royalties, and community investments.

## **2. PROJECT OBJECTIVES.**

- Gold mining and processing gold ore.
- Development of Primary mining Licences
- Processing gold taillings
- Gold trading

This project is aiming at increasing gold trading revenue in the market and improving gold processing, rich deposit of gold in the country, providing a significant source of revenue for the mining industry.

The project will utilize both open-pit and underground mining methods. Advanced technologies and equipment will be employed to ensure safety, efficiency, and minimal environmental impact

Growing demand for gold globally, leading to potential for increased exports.

Relative underdeveloped gold mining industry, providing opportunities for investment and growth.

Government support for the mining industry, including tax incentives and investment in infrastructure.

Mining industry is growing day by day, gold is leading for foreign earning through export.

The mining sector involves both large-scale mining (LSM) and artisanal & small-scale mining (ASM) operations. ASM is undertaken by individuals or groups with limited equipment and often informally. Ministry of Minerals is the regulator of mining activities in Tanzania.

The gold trading business in Tanzania is mainly done through exportation to different destination (eg.DUBAI) some sold to jewelry manufacturers and by law 20% of gold production selling to central bank (BOT).

Licensed gold dealers and traders usually develop business relationship with artisanal & small scale gold miners by facilitating them some technical Support to secure supplying channel as well as company will associates with small miners by opening buying centres to facilitate on gold trading, processing and tailing processing.

Gold price has tendency of rises in It's price according to the gold price fluctuations.

Project will increase the supply of gold in the Market due to production of gold.

### **i. Gold mining and processing gold ore.**

The project will utilize both open-pit and underground mining methods, advanced technologies and equipment will be employed to ensure safety, efficiency, and minimal environmental impact

#### **Projected revenue**

Projected production will be 50 to 70 tonnes' per day at early stage, the capacity will increase according to the expansion of investment.

Projected processing total of gold ore will be 50 tonnes per day.

The preliminary laboratory test shows the gold content of 2.77 ppm

Therefore projected monthly production will:

$50\text{tonnes} \times 2.77 = 138.5 - 20\% \text{ (leaks)} = 110.8 \text{ grams per day.}$

Monthly projection will be  $110.8\text{grams} \times 26\text{days} = 2880\text{grams}$

The current price ranges from 107 USD

$110.8\text{grams} \times 107 \text{ USD} = 11,855.6$

$11,855.6 \times 0.9 \text{ (purity of gold)} = 10,670.04$

$10,670.04 \times 26\text{days} = 277,421.04$

$277,421.04 - 9.3\% \text{ (TRA Levy \& Royalties)} = 251,620.883$

$251,620.883 \times 12 = \mathbf{3,019,450.6}$

#### **Revenue breakdown**

Gold production per day	110.8g	
Gold production per month(26days)	2880g	
Gold percentage 90% (monthly)	2592g	
Gold world market price	107	
<b>Monthly revenue</b>		<b>277,421.04(USD)</b>
Monthly revenue after tax	Less: (6% +1% +2% +0.3%) (royalties ,inspection, TRA & Levy)	25,800.156(USD)
<b>Yearly revenue.</b>		<b>3,019,450.6</b>

## **ii. Development of Primary mining Licenses**

Company will develop Primary Mining Licenses stage by stage which will include geological survey (electromagnetic survey) and gold mining processing.



**i.e. sample for electrical survey.**

## **iii. Processing gold tailings**



**i.e. sample for crushing unit**



**i.e. sample tailings.**

The project aim to process all the neighbouring tailing from artisanal & small scale gold miners with special agreements where company wil facilitate all the costs for processing in return for win win situation depending on the tailing test result.

#### **iv. Gold trading**



**i.e. Sample processed gold**

Gold trading business in Tanzania is mainly done through export, some sell to jewelry manufacturers and now is by law to sell 20% of gold production central bank (BOT) through licensed gold dealers.

Company will buildup business relationship with artisanal and small scale gold miners by facilitating them some technical Support to secure tailings that can be processed in the project plants, also Company will buy direct gold from small minners an sell to BOT and export as well.

### **3. MARKET ANALYSIS**

Gold holds the distinction of being one of the world's valuable precious metals, used in jewellery and electronics. Its historical role as a safe haven asset for preserving value, Gold market is structured into the wholesale and retail markets.

With its long-term value gold can be turned to an investment due to increasing its value day by day. Gold price changes in the strength of the US dollar can impact the price of gold since it's priced in US dollars. US dollar is generally good for the price of gold, as it drives up demand. When the dollar strengthens, gold price can rise, lead to low demand.

Since the government of the Republic of Tanzania introduced it's law for 20% of gold production should be sold to Bank of Tanzania (BOT) strengthen local Market for Gold, Therefore there will be Governments, investors, and jewelry manufacturer in the supply chain of gold trading which will increase its value, Gold price keeps growing, This means that forecasting future prices of gold for the next ten years is expected to indicate an increase in value, potentially resulting in profits.

World gold demand is still high due to it's Value day by day.

Demands from Jewelry manufacturers, Central banks, Investors and Other sources that needs to keep Gold as investments.

There will be high Demand locally and internationally since 20% of gold production should remain to the Central Bank.

Gold which will be produced will have secured market for local market and International Market like United Arab Emirates and others, there is high driving demand.

- **Market structure**

- a) Physical market

- This include Mining operations, Gold production and site retail of gold (buying Centre)
    - This is the target area where we will put all the effort on processing and production as well as mining which is driven by high demand for gold worldwide.

- b) Financial market

- Financial market is driven by factors such as interest rates, inflation, and political and economic uncertainty. The market is also influenced by supply, which comes from gold mining operations and central bank sales.

- **Market flows**

The global gold market is complex due to different factors influencing the flow of gold around the world.

One major factor that affects gold flows is its demand, which comes from a wide range of sources including central banks, investors and jewelry manufacturers Central banks are among the largest buyer of gold in Tanzania as a way to reserve foreign exchange reserves.

Gold prices also have a significant impact on the flow of gold. When prices are high, mining companies increase production and exploration activities. When prices are low, mining companies may cut back on production.

- **Our target market**

- i. Investors,
- ii. Central bank(BOT) and
- iii. Jewelers.

Investors and jewelers may purchase all 80% of gold, central bank by law (BOT) will purchase 20% of total production of Gold

- **Our competitive advantages**

Gold trading in Tanzania has the potential for competitive advantages due to the country's large deposits of gold ore. The mining industry in Tanzania is a significant contributor to the country's economy, and the government has made efforts to attract foreign investment for reducing taxes and fees.

Since we will facilitate the gold processing for artisanal & small-scale gold miners, we will always have a competitive advantage to engage in opening centers for buying gold that will secure supplying quantity hence increased company profit and government revenue as well.

#### **4. MARKETING STRATEGIES**

Gold sales will target local markets and international markets. This will include signing agreements with jewelry manufacturers, Central Bank (BOT) additionally.

To build good relationships with local government officials and regulatory bodies to ensure compliance with any relevant laws and regulations to secure the business.

Company will focus on expanding the project and attracting more stake holders to participate in the production chain through:

- Direct investors
- Partnerships.

Marketing team will focus on advertisement on social media and digital platform to expand project to increase production and value addition.

## 5. STRATEGIC PLANS

### PHASE 1

- **Economies, Revenue & Cost**

- i. Projected revenue.
- ii. Operating costs.

### PHASE 2

- **Project Development**

#### PHASE 1

- i. Revenue
- ii. Economies &
- iii. Cost

- i. **Revenue**

- Projected revenue.
- a) Production

#### **Revenue before tax**

Projected gold production (grams/day)	Purity Percentage (90%)	Projected Gold production (grams/month)	Projected Gold production (grams) year)	Projected Gold Price/gram (USD)	Expected Revenue/Month (USD)	Expected Revenue/Year 1(USD)
<b>110.8</b>	<b>99.72</b>	<b>2592.2</b>	<b>31112.64</b>	<b>107</b>	<b>277,365.40</b>	<b>3,328,384.80</b>

### Revenue after tax

Gold production per day	110.8g	
Gold production per month(26days)	2880g	
Gold percentage 90% (monthly)	2592g	
Gold world market price	107	
<b>Monthly revenue</b>		<b>277,421.04(USD)</b>
<b>Less:</b> (6% +1% +2% +0.3%) (royalties ,inspection, TRA & Levy)		25,800.156(USD)
Monthly revenue after tax		<b>251,620.883(USD)</b>
<b>Yearly revenue.</b>		<b>3,019,450.6</b>

## PROJECTED INCOME STATEMENT ( YEAR 1 2025/2026)

### ii.Economies

Descriptions	(USD)
<b>Total revenue</b>	<b>3,019,451</b>
Site preparation	25,000
Infrastructure development	43,000
Equipment's	590,200
Logistics & Installation	78,000
Permit, Licence & pre operations	23,000
General expenses	1,529,861
Indirect expenses	154,200
Contiguous	30,000
<b>Less: Total expenses</b>	<b>2,473,261</b>
<b>PROFIT FOR A YEAR (Before tax)</b>	<b>546,190</b>

#### Site Preparation

ITEM	DETAILS	COST (USD)
Materials	Different site equipment's	3,000
Site clearing & leveling	Local contractor + community labor	10,000
Security fencing & gates	Mesh fencing, minimal LED lighting	12,000
<b>Sub total</b>		<b>25,000</b>

### Infrastructure Development

ITEM	DETAILS	COST (USD)
Infrastructure Development	Roads.( Access road)	20,000
Water supply & plumbing	Borehole drilling	10,000
Site offices& license	One 20 ft container (converted) + local modular office.	13,000
Contiguous funds	Uncertainties, facilitations etc.	10,000
<b>Sub total</b>		<b>43,000</b>

### 3. Equipments

ITEM	DESCRIPTION	COST (USD)
Crusher, compressor & others	A complete process(crusher & grinding)	130,000
Standing generator	41KV	9,500
Excavator	3.6 m <sup>3</sup>	95,000
Leaching plant	elution unit.	200,000
Elution & Electrowinning:	smelting unit	20,000
Smelting Module:	Assorted units	8,000
Bucket loader	2units	7,700
Winch	10tons	10,000
Water pumps	Medium size	15,000
Tipper truck&vehicles	6tones truck/&pickup	55,000
Other equipment's	Assorted equipment's	40,000
<b>Sub Total</b>		<b>590,200</b>

### Logistics & Installation

ITEM	DETAILS	COST(USD)
Sea freight (3 containers)	Discounted bulk rate	12,000
Customs & duties	5% CIF duty + streamlined handling	6,000
Inland transport & offloading	Shared-cargo contracts	8,000
Installation & commissioning	Local crew supervised by one engineer	52,000
<b>Sub total</b>		<b>78,000</b>

### Permits& Pre-Operations

ITEM	DESCRIPTION	COST (USD)
Environmental	NEMC Certificate others	15,000
EIA &community consultant	EPP	8,000
<b>Sub total</b>		<b>23,000</b>

### General expenses

ITEM	COST 1 MONTH(USD)	COST 1YEAR(USD)
Office rent	115.4	1,385
Office expenses	314.16	3,770
Mining operation	25,000	300,000
Licences & registrations	-	3,000
XRF machine and purity machine	-	8,000
Office furniture& laptops	-	5,000
Chemical import (1200 unit)&reagent	90,200	987,072
Payee	2153	25,836
Payment for government agency	-	3270
<b>Petrol &amp; Diesel</b>	5044	60,528
<b>Maintenances</b>	10,000	120,000
<b>Facilitations</b>	500	12,000
<b>Sub total</b>		<b>1,529,861</b>

### Indirect Cost (Salaries)

TITLE	COST 1MONTH(USD)	COST 1YEAR (USD)
Chief executive officer	2300	27,600
Operation manager	900	10,800
Chief finance officer	800	9,600
Project manager	700	8,400
Geologists	400	4,800
Marketing manager	350	4,200
Chemists	800	9,600
Metallurgy	800	9,600

Maintenance manager	700	8,400
Security personnel	400	4,800
Safety Personnel	500	6,000
Smelter	200	2,400
Other personnel	4000	48,000
<b>Sub total</b>	12,850	<b>154,200</b>

### **Grand Total Initial Investment**

<b>Category</b>	<b>COSTS (USD)</b>
Site Preparation	25,000
Infrastructure	43,000
Equipment	590,200
Logistics & Installation	78,000
Permits & Pre-Operations	33,000
<b>Total</b>	<b>769,200</b>

## **PHASE 2**

### **○ Project Development**

- Mining Development

This stage management and the team will focus on developing existing project and expansion of other licenses this will include;

- i. Trading
- ii. Geological survey
- iii. Listing to digital market.

**i. Trading**  
**(Gold output)**

Projected Gold Output (grams/day)	(90%) Purity	Projected Gold Output (grams) (26days(monthly))	Projected Gold Output (grams/year)
<b>100</b>	<b>90</b>	<b>2,340</b>	<b>28,080</b>

**Revenue (Trading)**

Production per Day (Grams)	World market price per gram (USD)	Gold content (90%) (grams)	Daily projected Revenue (USD)	Projected Revenue 1month (USD)	Projected Revenue 1 year (USD)
<b>100</b>	<b>107</b>	<b>90</b>	<b>9630</b>	<b>250,380</b>	<b>3,004,560</b>

**Revenue breakdown (90%)**

Gold purchasing per day	100g	
Gold purchasing per month(26days)	2600g	
Gold percentage 90% (monthly)	2340g	
Gold world market price(99.9)	107	
<b>Monthly revenue</b>		<b>250,380 (USD)</b>
<b>Yearly revenue.</b>		<b>3,004,560(USD)</b>

### Revenue after tax (tailings & processing)

Production per Day (Grams)	World market price per gram (USD)	Gold content (90%)	Daily projected Revenue before tax (USD)	Daily projected Revenue after tax (USD)	Projected Revenue 1month (USD)	Projected Revenue 1 year (USD)
<b>110.8</b>	<b>107</b>	<b>99.72</b>	<b>10,670.04</b>	<b>9,677.726</b>	<b>251,620.883</b>	<b>3,019,450.596</b>

### Revenue after tax

Gold production per day	110.8g	
Gold production per month(26days)	2880g	
Gold percentage 90% (monthly)	2592g	
Gold world market price	107	
<b>Monthly revenue</b>		<b>277,421.04(USD)</b>
Monthly revenue after tax	Less: (6% +1% +2% +0.3%) (royalties ,inspection, TRA & Levy)	25,800.156(USD)
Yearly revenue.		<b>3,019,450.6</b>

### COST

#### Buying gold

Production per Day (Grams)	Centre price per gram local before tax (USD)	Centre price per gram local after tax (USD)	Gold content (90%) (grams)	Daily projected Revenue (USD)	Projected Revenue 1month (USD)	Projected Revenue 1 year (USD)
<b>100</b>	<b>95</b>	<b>102.49</b>	<b>90</b>	<b>9,224.10</b>	<b>239,826.60</b>	<b>2,877,919.2</b>

## PROJECTED INCOME STATEMENT (YEAR 2)

Revenue from Gold trading(tailing)	3,019,451
Revenue from Gold trading's(dealership)	3,004,560
<b>Total revenue</b>	<b>6,024,011</b>
Gold buying	2,877,919.2
Site preparation	71,000
Equipment's	207,700
Logistics	28,000
Permit&pre operations	23,000
General expenses	1,649,861
Idirect expenses	154,200
Miselinous	30,000
<b>Less: total expenses</b>	<b>5,041,680.20</b>
<b>PROFIT/LOSS FOR 1 YEAR(Before tax)</b>	<b>982,330.8</b>

### Site Preparation & survey

ITEM	DETAILS	COST (USD)
Materials	Different site equipment's	3,000
Site clearing & leveling	Local contractor + community labor	10,000
Electromagnetic survey	Selected company	58,000
<b>Sub total</b>		<b>71,000</b>

### 3. Equipments

ITEM	DESCRIPTION	COST (USD)
Excavator	3.6 m <sup>3</sup>	95,000
Bucket loader	2units	7,700
Winch	10tons	10,000
Water pumps	Medium size	15,000
Tipper truck&vehicles	6tones truck	40,000
Other equipment's	Assorted equipment's	40,000
<b>Sub Total</b>		<b>207,700</b>

### Logistics

ITEM	DETAILS	COST(USD)
Geological team	Accommodation, salaries & meals	20,000
Transport	Site transport(survey team)	8,000
<b>Sub total</b>		<b>28,000</b>

### Permits& Pre-Operations

ITEM	DESCRIPTION	COST (USD)
Environmental	NEMC Certificate others	15,000
EIA &community consultant	EPP	8,000
<b>Sub total</b>		<b>23,000</b>

### General expenses

ITEM	COST 1 MONTH(USD)	COST 1YEAR(USD)
Office rent	115.4	1,385
Office expenses	314.16	3,770
Mining operation	25,000	300,000
Licences&registrations	-	3,000
XRF machine and purity machine	-	8,000
Office furniture& laptops	-	5,000
Chemical import (1200 unit)&reagent	90,200	987,072
Payee	2153	25,836
Payment for government agency	-	3270
<b>Petrol &amp; Diesel</b>	5044	60,528
<b>Maintenances</b>	20,000	240,000
<b>Facilitations</b>	500	12,000
<b>Sub total</b>		<b>1,649,861</b>

### Indirect Cost (Salaries)

<b>TITLE</b>	<b>COST 1MONTH(USD)</b>	<b>COST 1YEAR (USD)</b>
Chief executive officer	2300	27,600
Operation manager	900	10,800
Chief finance officer	800	9,600
Project manager	700	8,400
Geologists	400	4,800
Marketing manager	350	4,200
Chemists	800	9,600
Metallurgy	800	9,600
Maintenance manager	700	8,400
Security personnel	400	4,800
Safety Personnel	500	6,000
Smelter	200	2,400
Other personnel	4000	48,000
<b>Sub total</b>	12,850	<b>154,200</b>

### **Grand Total Initial Investment**

<b>Category</b>	<b>COSTS (USD)</b>
Site Preparation	71,000
Equipment	207,700
Logistics	28,000
Permits & Pre-Operations	23,000
<b>Total</b>	<b>329,700</b>

#### **ii. Geological survey**

This stage company plans to develop licences to conduct for electromagnetic survey.

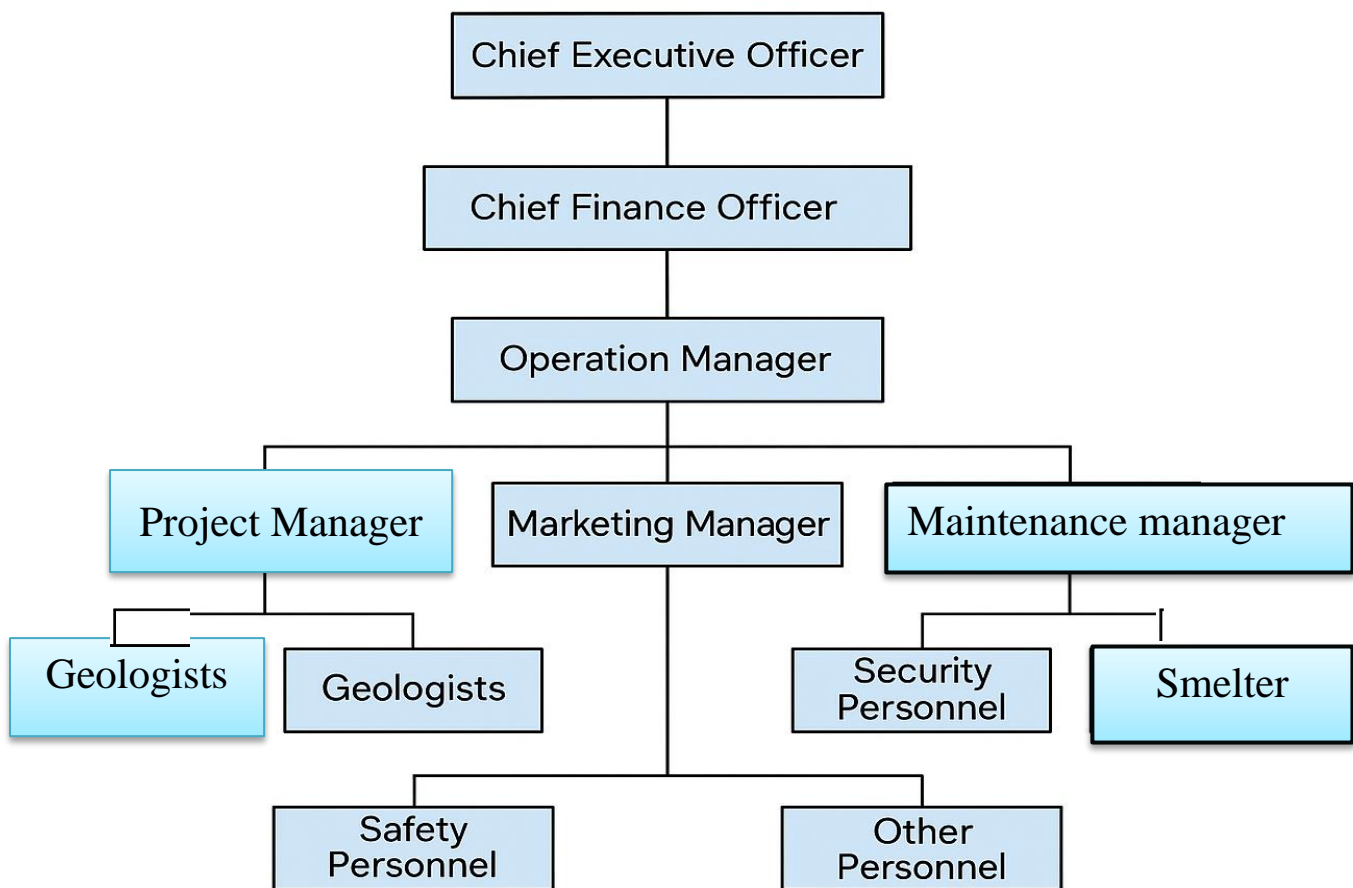
#### **iii. Listing to digital market.**

Company has plan to for digital market as the world move fast on digital form.

## 6. MANAGEMENT AND ORGANISATION

Refers to the group of individuals and team members who will be responsible for completing project tasks.

In order to run gold mining activities and trading we will need the following team members;(organization)



- i. Chief executive officer
- ii. Chief finance officer
- iii. Operation manager
- iv. Project manager
- v. Marketing manager
- vi. Accountant
- vii. Chemists
- viii. Geologists
- ix. Metallurgy
- x. Maintenance manager
- xi. Security personnel
- xii. Safety Personnel
- xiii. Smelter
- xiv. Other personnel

**i. Chief executive officer**

**Roles and responsibilities**

- Standing for company's **vision, mission, and long-term goals**. Innovation strategies and growth opportunities.
- Day-to-day business operations through head of departments ensuring that company resources (people, capital, assets) are used efficiently and approve major operational ,financial plans ,investment,decisions, policies, and procedures.
- Build and lead the executive team project expectations and ensure accountability, build relationships with key stakeholders: board of directors, investors, regulators and authorities for better understanding.
- Ensure legal and ethical compliance in all areas of operation to meet industry requirements, market expansion adapt the company to technological advancements or changing markets, during periods of uncertainty or crisis communicate clearly with internal and external audiences.

## **ii. Chief finance officer (CFO)**

### **Roles and responsibilities**

- **Processing Payments:** The primary responsibility of a cashier will be to process payments from customers using a cash register or other payment processing system. This includes handling cash, credit and debit cards, and other payment methods.
- **Providing Customer Service:** Cashiers will often serve as the first point of contact for customers, so they must provide excellent customer service. This includes greeting customers, answering questions about products or services, and resolving any issues or complaints.
- **Maintaining Accurate Records:** Cashier will maintain accurate records of all transactions, including recording sales, processing returns and exchanges, and reconciling cash drawers at the end of each shift.
- **Ensuring Cash Security:** Cashier will be responsible for ensuring the security of cash and other payment methods. This includes following established security procedures, such as locking cash drawers and verifying the authenticity of bills and coins.
- **Maintaining Cleanliness and Orderliness:** Cashier will be responsible for keeping the checkout area clean and organized. This includes regularly cleaning the cash register and surrounding area, restocking merchandise, and ensuring that the checkout area is free of clutter.

## **iii. Operation manager**

### **Roles and responsibilities**

- Developing and implementing short- and long-term mining plans, Ensure production targets are met safely and efficiently.
- Making sure company follows safety regulations and environmental standards.  
Controlling and supervise overall operations
- Optimize usage of manpower and equipment for cost-effective
- Supervise site personnel including engineers, geologists, technicians, securities and other personnel.

#### iv. **Project manager**

##### **Roles and responsibilities**

The project manager will be responsible for overseeing and coordinating the various aspects of project. This may include;

- Developing and implementing project plans and timelines.
- Managing project budgets and resources.
- Coordinating and communicating with project team members.
- Identifying and mitigating project risks.
- Ensuring project deliverables meet quality standards.
- Tracking project progress and making adjustments as necessary.
- Communicating project status to stakeholders and senior management.
- Managing relationships with external partners and vendors.
- Ensuring compliance with regulations and industry standards.
- Identifying and implementing process improvements to optimize performance.

#### v. **Marketing manager**

##### **Roles and responsibilities**

- Developing sales and marketing strategies; the sales and marketing manager will be responsible for creating and implementing effective sales and marketing strategies that will help increase the company's revenue and market share.
- Building and maintaining relationships with customers; the manager will be responsible for building and maintaining relationships with current and potential customers to ensure that they continue to do business with the company.
- Identifying new market opportunities; the manager should be able to identify new market opportunities and develop strategies to tap into those markets.
- Managing the sales team; the manager will be responsible for managing the sales team, which includes setting targets, monitoring performance, and providing training and development opportunities.
- Conducting market research; the manager should conduct market research to identify trends, customer needs, and competitors' strategies to inform the company's sales and marketing strategies.

- Managing marketing budget; the manager will be responsible for managing budget, which includes allocating resources and managing expenses.
- Representing the company at trade shows and industry events; the manager will represent the company at trade shows and industry events to promote the company's products and services and to network with potential customers and partners.

## **vi. Accountant**

### **Roles and responsibilities**

- **Maintaining Financial Records:** One of the primary roles of an accountant will be to keep accurate and up-to-date financial records of the organization. This includes recording transactions, maintaining ledgers, preparing financial statements, and creating reports to assist in decision-making.
- **Analyzing Financial Data:** Accountant will be responsible for analyzing financial data to provide insights into the financial health of the organization. This includes analyzing financial statements, creating budgets, and identifying areas for cost savings and revenue generation.
- **Ensuring Compliance:** Accountant will be responsible for ensuring that the organization complies with financial regulations and laws. This includes preparing tax returns, maintaining compliance with accounting standards, and ensuring that financial statements are accurate and complete.
- **Advising Management:** Accountant will play a critical role in advising management on financial matters. He/she will provide insights and recommendations based on financial data, which help management make informed decisions that affect the future of the organization.
- **Managing Financial Risk:** Accountant will be responsible for identifying and managing financial risks to the organization. This includes assessing the financial impact of potential risks, creating contingency plans, and monitoring the organization's financial performance to identify potential risks.
- **Providing Financial Education:** Accountant may also be responsible for providing financial education to employees and other stakeholders. This may include training on financial systems, budgeting, and other financial topics to improve financial literacy and support the organization's financial goals.

## **vii. Chemist**

### **Roles and responsibilities**

- **Analyzing Gold Samples:** Chemist will be responsible for analyzing gold samples to determine their composition, purity, and quality. This involves using specialized equipment and techniques, such as fire assay and atomic absorption spectroscopy.
- **Developing New Processes and Techniques:** Chemist will be responsible for developing new processes and techniques for extracting and refining gold. This requires a deep understanding of chemistry and the ability to apply that knowledge to practical problems.
- **Ensuring Compliance:** Chemist will comply with environmental, health, and safety regulations, as well as industry standards for the production and sale of gold. This includes maintaining accurate records of chemical use and waste disposal, ensuring that all laboratory equipment is properly maintained and calibrated, and complying with all applicable laws and regulations.
- **Quality Control:** Chemist will be responsible for ensuring that the gold they produce meets the required quality standards. This includes conducting quality control checks on finished products, monitoring the production process for any deviations from the norm, and ensuring that all products are properly labeled and packaged for sale.
- **Providing Technical Support:** Chemist will be responsible for providing technical support to other departments within the organization. This includes answering questions about chemical processes, troubleshooting problems with laboratory equipment, and providing advice on chemical safety and handling.

## **viii. Geologists**

### **Roles and responsibilities**

- Analyze geological data to determine ore types and content.
- Conduct several sampling ore body
- Conduct sampling for different tailing samples
- Prepare geological maps and reports.

## **ix. Metallurgy**

### **Roles and responsibilities**

Deals with formulations and improve existing processing plant and conduct mechanical, chemical, and microstructural tests.

- Ensure type of soil and which process to be used, and meet in standards
- Perform soil analysis to determine its compositions.
- Designing and controlling processing plant, Smelting process and other related in the process. (i.e. whole plant process on which chemical to be used and its proportion)
- Ensuring efficiency, safety, and environmental performance in processing.
- Innovate new methods for extracting, refining and water treatment collaborate with engineers and scientists.
- Making sure all metallurgical processes comply with safety regulations and environmental standards, handle and dispose of hazardous substances responsibly and designing processes to reduce loss.
- Prepare technical reports and presentations for stakeholders collaborating with Mining engineers, Mechanical engineers Quality teams and Production teams.

#### **x. Maintenance manager**

##### **Roles and responsibilities**

- Maintenance and repair of all mining equipment's, machineries and other tools, coordinates maintenance team and their daily operations.
- Control maintenance costs and inspect machinery regularly and ensure safety standards are met.
- Keeping maintenance records and machinery logs books.
- Secure stocks of all spare parts and tools needed in the operation,
- Conducting training on proper use and care of machinery

#### **xi. Security personnel**

##### **Roles and responsibilities**

- Monitoring all ongoing and outgoing for personnel, vehicles, and materials for identification and verify authorization as well to operate security gates, metal detectors, and surveillance systems.
- Monitoring CCTV cameras and alarm systems respond quickly to alarms emergencies and incident until emergency services arrives, Reporting incidents occurs.
- Compliances with safety regulations (PPE, fire safety, etc.) protecting company's property, equipment, and materials from theft or sabotage and monitoring the whole area.
- Issuing gate pass for visitor and escorts where is needed.
- Guidance for safety protocols.

- Recording ongoing and outgoing entries, patrol timings, and any unusual occurrences.
- Report to supervisors or law enforcement for any incident, escorting unauthorized personnel or individuals who misbehave

## **xii. Safety Personnel**

### **Roles and responsibilities**

- Compliance with health and safety regulations.
- Promote a safety-first culture across the site.
- Conduct appropriate safety training for staff.
- Monitor work areas with safe conditions, toolbox talks and safety drills.
- Prepare safety reports and documentation for regulatory bodies.
- Report and investigate when accidents occurs

## **xiii. Smelter**

### **Roles and responsibilities**

- The primary responsibility of a gold smelter will be to extract gold from raw materials such as ore or scrap gold, using smelting techniques. This process involves heating the materials to high temperatures to separate the gold from other metals and impurities.
- Testing and Assaying: Gold smelter will also be responsible for testing and assaying the purity of the gold they extract. This involves using specialized equipment and chemical tests to determine the quality of the gold and ensure that it meets industry standards.
- Maintaining Equipment: Gold smelter will be responsible for maintaining and repairing the equipment used in the smelting process. This includes monitoring the equipment for wear and tear, making necessary repairs, and ensuring that it is operating at peak efficiency.
- Managing Inventory: Gold smelter will be responsible for managing the inventory of raw materials, finished products, and other supplies needed for the smelting process. This includes ordering materials as needed, monitoring inventory levels, and ensuring that there is always an adequate supply of materials on hand.
- Ensuring Compliance: Gold smelter will comply with environmental, health, and safety regulations, as well as industry standards for the production and sale of gold. This includes maintaining accurate records of the smelting process, ensuring that waste materials are disposed of safely, and complying with all applicable laws and regulations.

- Quality Control: Gold smelter will be responsible for ensuring that the gold they produce meets the required quality standards. This includes monitoring the smelting process for any deviations from the norm, conducting quality control checks on finished products, and ensuring that all products are properly labeled and packaged for sale.

#### **xiv. Other personnel**

##### **Roles and responsibilities**

- Design and optimize mine plans for efficient extraction of gold
- Ensure mining operations follow technical specifications and safety.
- Oversee blasting processes and safety
- Develop mine layouts and monitor progress.
- Operate machinery such as excavators, loaders, and dump trucks.
- Follow operation schedules and safety procedures.
- Equipment checkups and report if there is any issues

## **7. RISK ANALYSIS**

### **Environmental and Social Impact**

Company will comply with Environmental and Social Impact Assessment (ESIA) in compliance with local and international regulations. The project includes mitigation plans for biodiversity, water usage, dust suppression, and community engagement

Environmental and social concerns surrounding gold mining, leading to regulations and restrictions

#### **POSITIVE IMPACTS.**

- Increased foreign investment in the mining sector, leading to growth and development.
- Development of new mines,
- Increasing production lead to increase in exports.

**NEGATIVE IMPACTS**

- Environmental and social concerns surrounding gold mining, leading to regulations and restrictions

**8. SITE MAPS CONCESSION**

PML01710MBG

**ANNEX A**

**DESCRIPTION OF THE PRIMARY MINING LICENCE AREA**

The Primary Mining Licence is at Kigosiarea in Bukombe District, QDS 61/2 defined by the following corner co-ordinates (Arc 1960):

Corner	Latitude	Longitude
1	- 03 deg. 31 min. 11.17 sec.	31 deg. 49 min. 24.20 sec.
2	- 03 deg. 31 min. 11.17 sec.	31 deg. 49 min. 34.20 sec.
3	- 03 deg. 31 min. 21.17 sec.	31 deg. 49 min. 34.20 sec.
4	- 03 deg. 31 min. 21.17 sec.	31 deg. 49 min. 24.20 sec.



Legend	
Licensed area	
License Number	<b>PML01710MBG</b>
District	<b>Bukombe</b>
Direction	

An area of approximately 9.48 Hectares.

**ANNUAL RENT PAYMENTS**

**Year            ERV            Amount (TShs.)    Date            Signature & Stamp**