

XINFAL MINERAL PROCESSING COMPANY LIMITED

P.O. BOX 77

SONGWE

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**BUSINESS PLAN FOR MINERAL PROCESSING PROJECT WHICH SHALL BE
LOCATED, AT SAZA FALLS-MALEZA VILLAGE, MBANGALA WARD,
SONGWE DISTRICT IN SONGWE REGION.**

SUBMITTED TO

**TIC (TANZANIA INVESTMENT
CENTER)
Southern Highland Zone
P.o. Box 1361,
NBC Building, Karume Avenue,
Mbeya**

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1. EXECUTIVE SUMMARY

XINFA Mineral Processing Company Limited is a Tanzanian-registered company (Reg. No. 185-294-463) with a capital investment of **TZS 1.5 billion**. The company is strategically located in **Saza-falls-Maleza**, a mineral-rich area in the **Songwe Region**, and specializes in the **processing of metallic and industrial minerals** such as gold, copper, and graphite.

Our objective is to become a **leading, environmentally compliant, and socially responsible** mineral processing company that adds value to raw minerals before they enter the market, contributing to national economic development and local employment.

Key Objectives:

- a) Set up and operate a state-of-the-art mineral processing facility by Q4 2025.
- b) Develop long-term supply partnerships with small-scale and large-scale miners.
- c) Achieve financial sustainability and profitability within two years.
- d) Adhere to all environmental and safety regulations and support community development.

2. COMPANY OVERVIEW

Company Name: XINFA Mineral Processing Company Limited

Legal Status: Private Limited Company

Registration No.: 185-294-463

Head Office: Saza falls- Maleza, Songwe District, Songwe Region

Business Activity: Mineral Processing (Gold, Copper, Graphite, etc.)

Authorized Capital: TZS 1,500,000,000/=

Ownership: Privately owned

3. PRODUCTS AND SERVICES

3.1 Primary Activities:

- a) Crushing, grinding, and milling of ores
- b) Gravity separation, flotation, and leaching
- c) Tailings management and environmental treatment
- d) Laboratory analysis and quality control
- e) Marketing and sale of processed minerals

3.2 Target Minerals:

- a) **Gold** – Focused on artisanal and small-scale gold ore
- b) **Copper** – From regional deposits
- c) **Graphite** – From nearby graphite belts
- d) Future: Lead, Zinc, and Lithium

4. MARKET ANALYSIS

4.1 Industry Overview

Tanzania is a globally recognized mineral-rich country with a government-led drive to promote **value addition and mineral beneficiation**. The Songwe region is a key location for small-scale mining (SSM) but lacks enough processing capacity, creating a strong business case for local processing.

4.2 Market Opportunities:

- a) Ready supply of raw ore from artisanal miners
- b) High global demand for gold, copper, and graphite
- c) Government incentives for local mineral processing plants
- d) Export markets in Asia, Europe, and neighboring African countries

4.3 Target Customers:

- a) Artisanal and small-scale miners (ASMs)
- b) Mining cooperatives
- c) Exporters and refiners
- d) Government-authorized buyers and mineral traders

5. STRATEGY AND IMPLEMENTATION

5.1 Competitive Advantages:

- a) Strategically located near mineral deposits
- b) Strong capital base (TZS 1.5 billion)
- c) Environmentally and socially responsible operations
- d) Skilled management team and trained workforce

5.2 Implementation Timeline:

Activity	Timeline
Site acquisition and preparation	Q2 2025
Equipment procurement and setup	Q3 2025
Staffing and training	Q3-Q4 2025
Launch of operations	Q4 2025

5.3 Marketing Approach:

- a) Formal agreements with mining cooperatives
- b) Participation in mining expos and government forums

- c) Local community sensitization and engagement
- d) Online visibility through company website and trade portals

6. MANAGEMENT AND ORGANIZATION

6.1 Key Personnel:

- a) **Managing Director:** Strategic leadership and government liaison
- b) **Plant Manager:** Oversight of daily production
- c) **Finance Officer:** Budgeting, financial control, reporting
- d) **Marketing & Logistics Manager:** Client acquisition and supply chain
- e) **Environmental & Safety Officer:** Compliance with NEMC & OSHA

6.1 Staffing Plan (Initial Phase):

- a) 25–30 full-time employees including technicians, lab workers, security, and administrative staff

7. FINANCIAL PLAN

7.1 Initial Capital:

TZS 1,500,000,000/= (Privately financed)

7.2 Estimated Allocation of Capital:

	Expenditure Item	Amount (TZS)
i.	Land Rent and preparation	200,000,000
ii.	Machinery and processing equipment	600,000,000
iii.	Plant construction and infrastructure	400,000,000
iv.	Licensing, legal, and regulatory fees	50,000,000
v.	Working capital (operations/salaries)	200,000,000
vi.	Contingency and reserves	50,000,000
	TOTAL	1,500,000,000

7.3 Revenue Projections:

Year	Estimated Revenue (TZS)	Estimated Net Profit (TZS)
2025	400,000,000 (Q4 only)	60,000,000
2026	2,500,000,000	600,000,000
2027	3,800,000,000	1,200,000,000

Note: Projections assume processing of 30–50 tons/day with a processing margin of 20–30%.

8. RISK ASSESSMENT

Risk	Mitigation Measure
a) Fluctuating global mineral prices	Diversify minerals and lock-in local contracts
b) Regulatory changes	Maintain compliance and government engagement
c) ASM supply inconsistency	Sign MOUs with cooperatives and support them
d) Environmental liabilities	Employ best practices and NEMC/OSHA standards

9. ENVIRONMENTAL & SOCIAL IMPACT

9.1 XINFA commits to:

- Conducting a full Environmental and Social Impact Assessment (ESIA)
- Implementing tailings management and wastewater treatment systems
- Hiring local workforce and supporting local suppliers
- Providing CSR support to schools, water access, and health services

10. Appendices

- Company Registration Certificate (Reg. No. 185-294-463)
- TIN
- Draft Environmental Management Plan
- Machinery and Plant Layout Designs
- Management Team Profiles



TANZANIA

C.1



Certificate of Incorporation of a Company

Section 15

No: 185294463

I HEREBY CERTIFY THAT

XINFA MINERAL PROCESSING COMPANY LIMITED

is this day incorporated under the Companies Act, 2002
and that the Company is Limited.

GIVEN under my hand at Dar es Salaam this 26th day of **MAY**
TWO THOUSAND AND TWENTY FIVE.



PRINC ASST. REGISTRAR OF COMPANIES

CTIN: 1488836



TANZANIA REVENUE AUTHORITY

CERTIFICATE OF REGISTRATION FOR TAXPAYER IDENTIFICATION NUMBER (TIN)

(ISSUED UNDER SECTION 23 OF THE TAX ADMINISTRATION ACT 2015)

THIS IS TO CERTIFY THAT

XINFA MINERAL PROCESSING COMPANY LIMITED

HAS BEEN REGISTERED WITH THE TANZANIA REVENUE AUTHORITY
AND ASSIGNED THE TAXPAYER IDENTIFICATION NUMBER

185-294-463

WITH EFFECT FROM: 26 MAY 2025

TRA LOCATION: SONGWE

TAX OFFICE: SONGWE

PHYSICAL LOCATION:

STREET / AREA: NEARBY MKWAJUNI WARD OFFICE



ALFRED T. MREGI
COMMISSIONER FOR DOMESTIC REVENUE

NOTE: THE REQUIREMENTS UNDER WHICH THIS CERTIFICATE IS ISSUED ARE STATED OVERLEAF

ENVIRONMENTAL MANAGEMENT PLAN (EMP)

XINFA MINERAL PROCESSING COMPANY LIMITED

Location: Saza falls- Maleza village, Songwe District, Songwe Region, Tanzania
Activity: Mineral Processing
Date: July 2025

1. Introduction

XINFA Mineral Processing Company Limited, a company registered in Tanzania, is establishing a mineral processing facility in **Saza, Songwe Region**. The company is committed to operating in a sustainable, safe, and environmentally responsible manner in compliance with the **Environmental Management Act (Cap. 191 R.E. 2022)** and guidelines from the **National Environment Management Council (NEMC)**.

This **Environmental Management Plan (EMP)** outlines procedures for minimizing, mitigating, and monitoring the environmental impacts associated with the company's activities.

2. Objectives of the EMP

- a) To ensure that all activities comply with national and regional environmental laws and regulations
- b) To prevent, reduce, or control environmental pollution from processing operations
- c) To promote sustainable use of resources and environmental stewardship
- d) To safeguard the health and safety of workers and surrounding communities
- e) To outline monitoring, reporting, and emergency response mechanisms

3. Project Description

- a) **Project Name:** XINFA Mineral Processing Plant
- b) **Location:** Saza, Songwe District, Songwe Region
- c) **Activities:** Crushing, grinding, flotation, gravity separation, dewatering, tailings management, and packaging of processed minerals
- d) **Target Minerals:** Gold, Copper, Graphite

4. Environmental and Social Aspects

Aspect	Potential Impact	Mitigation Measure
Land use	Soil erosion, habitat alteration	Site leveling, re-vegetation of unused areas
Water use & discharge	Water contamination, over-extraction of water	Water recycling systems, effluent treatment plant
Air emissions	Dust and emissions from machinery	Dust suppression, PPE, maintenance of equipment
Noise	Noise from machinery and vehicles	Acoustic shielding, restricted working hours
Waste (solid & hazardous)	Contamination from tailings, oil, and chemicals	Secure waste storage, licensed disposal partners
Energy use	High power demand, GHG emissions	Energy-efficient equipment, explore solar backup
Occupational health	Exposure to chemicals and particulates	PPE, regular health checkups, training
Community impact	Health risks, displacement risk	No displacement; community sensitization & support

5. Environmental Mitigation Measures

5.1 Waste Management

- Construct and maintain **tailings storage facilities (TSF)** that meet NEMC guidelines
- Store **hazardous waste** (e.g., cyanide, mercury if used) in secure, labeled containers
- Contract **licensed hazardous waste handlers** for disposal

5.2 Air Quality Control

- Use **wet suppression systems** at crushing and screening points
- Install **dust collectors** and filters on ventilation systems
- Enforce use of **personal protective equipment (PPE)**

5.3 Water Management

- Construct **settling ponds** and **water recycling systems**
- Regularly **test effluent water** before discharge
- Avoid sourcing water from **protected or overused water sources**

5.4 Noise and Vibration

- a) Install **noise barriers** around generators and crushers
- b) Maintain a **buffer zone** between the plant and the nearest community

5.5 Emergency Preparedness

- a) Maintain a site **emergency response plan** for fire, chemical spills, and accidents
- b) Equip the site with **first-aid kits, fire extinguishers, and spill kits**
- c) Conduct **emergency drills** every 6 months

6. Monitoring Plan

Parameter	Method	Frequency	Responsible Party
Water quality	Sampling & lab analysis	Monthly	Environmental Officer
Air quality (PM10)	Dust meters, visual checks	Bi-weekly	HSE Technician
Noise levels	Decibel meter	Monthly	Safety Officer
Solid waste volumes	Weighing and records	Weekly	Waste Management Officer
Tailings integrity	Visual inspection, tests	Quarterly	Engineering & Safety Team
Community complaints	Grievance register	Ongoing	Community Liaison Officer

7. Institutional Arrangements

- a) **Environmental Officer** – Oversees EMP implementation and reporting to NEMC
- b) **Plant Manager** – Ensures compliance during operations
- c) **Safety & Health Officer** – Monitors occupational health and safety
- d) **Community Liaison Officer** – Coordinates with local stakeholders and addresses concerns

8. Legal and Regulatory Compliance

XINFA Mineral Processing Company Limited will ensure compliance with the following:

- a) Environmental Management Act (Cap. 191)
- b) Mining Act (R.E. 2019)
- c) Occupational Health and Safety Act (No. 5 of 2003)
- d) Water Resources Management Act (No. 11 of 2009)
- e) Guidelines from NEMC and OSHA Tanzania

9. Stakeholder Engagement

XINFA commits to continuous stakeholder consultation including:

- a) **Local communities**
- b) **District Environmental Officer**
- c) **Village governments**
- d) **Local miners' associations**

Regular **public meetings** will be held to share environmental performance and collect feedback.

10. Reporting and Review

- a) **Quarterly environmental reports** will be submitted to NEMC
- b) **Annual Environmental Audit** will be conducted by an approved consultant
- c) The EMP will be **reviewed annually** and updated as necessary

11. Budget for EMP Implementation (Summary)

Activity	Estimated Cost (TZS)
a) Waste management systems	150,000,000
b) Water treatment & monitoring	100,000,000
c) Air and noise control measures	80,000,000
d) PPE and safety equipment	50,000,000
e) Training and awareness programs	30,000,000
f) Environmental auditing	20,000,000
Total EMP Budget	430,000,000

12. Conclusion

XINFA Mineral Processing Company Limited recognizes the importance of environmental protection in mining and mineral processing. This EMP provides a framework to ensure that environmental, health, and social impacts are minimized, operations are safe, and legal compliance is maintained. The company is committed to continuous improvement and partnership with local stakeholders.

MANAGEMENT TEAM PROFILE
OF XINFA MINERAL PROCESSING COMPANY LIMITED

1. GENERAL MANAGER / PROJECT DIRECTOR

Responsibilities: overall strategic planning, government relations coordination, funding and compliance management.

Requirements:

He has more than 10 years of experience in mining project management in Africa and is familiar with Tanzanian mining regulations (e.g. Mining Law, Localization Policy).

Fluent in English (Swahili plus points) and good at communicating with agencies such as the Ministry of Mines, the Environmental Protection Agency and others.

Those with backgrounds in Chinese / South African / Australian mining companies are preferred (as Tanzania is a common source of foreign capital).

2. MANAGER OF A MINING PLANT

Responsibilities: Responsible for CIP / CIL process optimization and production target achievement.

Requirements:

Metallurgical or mineral processing background, more than 5 years practical experience in carbon paste plant (300 T / d scale above).

Be familiar with the improvement of gold mine recovery rates, cyanide management, and tailings processing (Tanzania has strict environmental requirements).

3. MINE OPERATIONS MANAGER

Responsibilities: To coordinate the balance between mining and mill supply to ensure stable ore quality.

Requirements:

Familiarize yourself with open / underground gold mining and learn about common types of gold mining in Tanzania (such as green rock belt deposits).

Mining planning and cost control capabilities are available (plans need to be in place for unstable local electricity and fuel supplies).

4. MAINTENANCE ENGINEER RESPONSIBILITIES: EQUIPMENT MAINTENANCE, LOCALIZED SPARE PARTS PROCUREMENT.

Requirements:

Expertise in the management of key equipment such as ball mills and absorption electrolytic systems.

Familiar with the maintenance system of Chinese equipment (e.g. CITIC Heavy Industries) or South African brands (e.g. Metso).

KEY LOCALIZATION JOBS

1. COMMUNITY RELATIONS MANAGER

Duties: Deal with land compensation, community disputes (community sensitivities in Tanzania).

Requirements:

Native, fluent in Swahili and tribal culture, with CSR experience.

2. COMPLIANCE AND LEGAL COUNSEL

Responsibilities: Ensure compliance with Tanzania's amendments to the Mining Act (e.g. local ownership requirements for 2022), taxes (e. g. 5% gold mine export tax).

Requirements:

Background at a local law firm or consulting firm.

3. SUPPORT DEPARTMENT

Controller of Finance: Familiar with Tanzanian foreign exchange control and transfer pricing rules.

Safety Manager: ISO 45001 certified to address mine security challenges (hiring a professional security company in some areas).

Environmental Manager: Ensure tailings pond complies with International Cyanide Management Code (ICMC).

4. TEAMWORK ESSENTIALS

Cultural integration: Chinese executives need to adapt to the pace of work in Tanzania (e.g., there are many holidays and long decision chains).

Training system: Send local employees to South Africa / China regularly for training (such as CIP technical courses in Changsha Mining and Metallurgy Institute).

Digital tools: Introduction of mining management software such as MineRP to address remote monitoring needs.

5. RISK WARNING

Policy risk: 15% of the budget is set aside for possible regulatory changes (such as mandatory local refining of gold mines in 2021).

Supply chain redundancy: key pharmaceuticals (e.g. activated charcoal, cyanide) require dual suppliers (China + South Africa).

SIGNED and SEALED at SONGWE this 02nd day of July 2025 by **WU LIBIN** who is the Director(s) of **XINFU MINERAL PROCESSING COMPANY LIMITED (MINING COMPANY)** a Processing plant located at ^{Mbanga} Mbanga Village in Mbanga ward.

SIGNATURE and/or SEAL OF THE COMPANY

Signature: Wu Libin.....

Name: **WU LIBIN**

Designation: Director.....

BEFORE ME:

Signature: [Signature].....

Name: [Signature].....

Designation: COMMISSIONER FOR OATHS AND NOTARY PUBLIC

Date: 02nd day of July 2025

