



COMPANY PROFILE



EXECUTIVE SUMMARY

Mushroom technologies were founded in early 2018 to bring/create technological solutions for companies to monitor their activities and business. On the way to solving such problems we made a Coal mining management system for MBUYULA COAL MINE LTD, from then we started to engage with industrial minerals and we saw an opportunity to deal with them. Now we EXTRACT GYPSUM by PML for Gypsum at (NONDWA) MANDAWA, LINDI, and we have DEALERS LICENSE to deal with non-metals industrial minerals in the south zone (LINDI, MTWARA, and RUVUMA).

We are currently extracting up to 8,000 tons of gypsum per month, but we are looking forward to more investment to extract even more than 50,000 tons of gypsum stones every month since our landmine is capable of doing that for more than 20 years.

We have both white and greyish gypsum stones with purity above 90%, we have done testing several times and the lowest result was 91% purity.



Fig 01: Mushroom technologies ltd gypsum mine site

THE TEAM

Having a great team with excellent relation is one of our success factors. Our Team consists of sixteen (16) young, energetic youth with the ability to deliver precisely and punctually. Here is our management team, with gender balanced 3:2 men women.

FOUNDER, The CEO
MR. AMIN ALMAS SHABAN
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Tel: +255 710 104 404

MANAGING DIRECTOR
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CHIEF FINANCIAL OFFICER
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SALES & MARKETING MANAGER
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CHIEF TECHNICAL OFFICER
MR. FREDRICK MUJUMBA
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Fig 02: Our organizational structure

MISSION

To set the standard in gypsum mining and business by maintaining constant supply throughout the year.

VISION

To create a well-organized industrial minerals supply chain, an e-commerce Platform/Marketplace where buyers will meet high-quality products extractors and dealers and reputable transportation companies.

CORE VALUES

- The highest professional standard of workmanship and services.
- Technology, Responsibility, Respect, Safety, and LOVE.



Fig 03: Our gypsum stone

WHY MUSHROOM TECH?

Our founder came up with the name MUSHROOM TECHNOLOGIES because he was amazed by Mushroom Fungi on how it grows fast, then he found it takes a month for a seed to establish itself in a planting vessel and then only a few hours to take off, grow, and being harvested and produce again and again.

Since he too believed in spending much time in preparation and employing the latest technology on solving unseen common problems, the name MUSHROOM TECHNOLOGIES completed.

HISTORY

2018

Founded as Startup (Business name registered).

2019

Competed our first big software project, which is KOPALUKU.

2020

Attained PMLs for Gypsum, at Nondwa (Mandawa), Kilwa.

2021

Started the extraction and engaging in gypsum business.

2022

Registered and incorporated as a limited company by BRELA.

2022

Attained Dealers license for Non-metal industrial minerals at LINDI.

PRODUCTS & SERVICES

We have several tech products, visit our website to find out more about them, www.mushroomtech.co.tz These are some of our tech products and services.

- Enterprises/Business management system
- Receipt Organizer
- GoPro Now (e-learning platform)
- KOPALUKU (electricity digital 3rd party vendor)
- Tanzania Fertilizer supply chain management system.



Fig 04: Our software programming workshop

MUSHROOM TECHNOLOGIES LTD GYPSUM MINING

Gypsum is a basic raw material in the production of gypsum plasterboards and Plaster of Paris (P.O.P) and is used as an additive in cement.

QUANTITY

The area under the mining license is about eight (8) square kilometers. The gypsum has been investigated by trenching, pitting, and drilling coupled with chemical testing. Deep drilling conducted in the 1950s by BP-Shell while exploring for hydrocarbons in the area, intersected large thicknesses of gypsum, anhydrite, halite, and shales.

The thicknesses of the resources intersected are as indicated below.

Mineral resource	Thickness intersected in meters
Gypsum	30

These large thicknesses suggest that quantities of the resources must be huge. Drilling in the area under the mining license intersected gypsum beds with an average thickness of twenty (20) meters. Following the drilling, quantities of gypsum were calculated and categorized as follows: -

Proved1.3 million tones
 Probable..... 1.2 million tones
 Possible..... 1.0 million tones

QUALITY

Chemical analyses of gypsum samples recovered from the drilling indicated gypsum content ranging from 89% to 96% averaging at 93%. This is high-grade gypsum that meets set chemical specifications in the production of gypsum plasterboard, plaster of Paris (POP), gypsum wallboard as well as Portland cement manufacture.

LOCATION

The mineral resource gypsum is administratively under Mandawa village, Kilwa District, in Lindi Region.

ACCESSIBILITY

The resources can be reached using the Dar es Salaam – Lindi - Mtwara Highway. The resources are situated at Mandawa village at distances of 350 and 90 kilometers respectively from Dar es Salaam and Lindi. They are only two kilometers away from the Highway. Also, we have Stockpile grounds beside the Highway.

RESULTS.

Serial no_0427102020

Sample ID	SO ₃ %	CaO %	SiO ₂ %	Fe ₂ O ₃ %	Al ₂ O ₃ %	K ₂ O %	MgO %	SrO %
GYPSUM	42.46	25.64	3.79	2.22	0.83	0.73	0.49	0.46

Sample ID	TiO ₂ %	MnO %	Cl %	LOI %	Water for Crystallization %	Purity of Gypsum as CaSO ₄ .2 H ₂ O. %
GYPSUM	0.22	0.09	0.06	23.00	19.14	91.29

Done by

Yusuph Hassani

Qualification: Senior Chemist (B.Sc. (Hons) Chemistry) *Page 2 of 2*

Fig 05: Chemical test results of our gypsum stone.

HSE

SAFETY

Maintaining a first-class safety culture is key to our business, and we continue to make good progress.

HEALTH

We aim to ensure that no harm to our employees' health occurs as a result of our activities and to improve the monitoring and control of those activities which have the potential to impact health.

ENVIRONMENT

Our goal is to prevent harm to the environment as a result of our actions. We monitor our performance across a range of environmental indicators and benchmark our progress.

PEOPLE

We seek to utilize the full talents of all its people and create a safe, healthy, challenging, rewarding, participative, and fair working environment for all employees.

RISK MANAGEMENT

In our organization, we are analyzing risk in five dimensions, which help in making safe decisions on conducting our activities.

		Consequence How severe could outcomes be if the risk event occurred?				
		Insignificant 1	Minor 2	Significant 3	Major 4	Severe 5
Likelihood What's the chance of the risk occurring?	5 Almost certain	Medium 5	High 10	Very high 15	Extreme 20	Extreme 25
	4 Likely	Medium 4	Medium 8	High 12	Very high 16	Extreme 20
	3 Moderate	Low 3	Medium 6	Medium 9	High 12	Very high 15
	2 Unlikely	Very low 2	Low 4	Medium 6	Medium 8	High 10
	1 Rare	Very low 1	Very low 2	Low 3	Medium 4	Medium 5

Fig 06: Our risk assessment matrix

CSR

At mushroom technologies, we are determined to help the society around our workplace, We have a plan to do as much as we go big but so far we have succeeded to connect electricity to MANDAWA RURAL GOVERNMENT OFFICE since they were not connected, also we have employed 6 natives of KILWA DISTRICT a full-time employment, and not less than 10 freelancers (90% women) who come every day to collect small sized gypsum stones at dumping grounds and get paid.

OUR PARTNERS



TATA HITACHI

Reliable solutions



CUSTOMERS

We officially started to deal with gypsum early this year and our first client is the BBG gypsum board at Mkuranga, Pwani. Since we produce a huge amount than the client's capacity and we have quality gypsum stone, we are now looking for other potential clients within the East Africa zone. So far we have attained three customers which are BBG gypsum board, LAKE cement Tanzania and BNBM building materials.



LICENSES

FORM MTF 6

**THE UNITED REPUBLIC OF TANZANIA
MINISTRY OF MINERALS
MINING COMMISSION**



THE MINING (MINERALS AND MINERAL CONCENTRATES TRADING) REGULATIONS, 2018
The Mining Act, Cap. 123
Made under Regulation 8

DEALER LICENCE No. **DI. 009/LND, 2022/2023**

Licence is hereby granted to **MUSHROOM TECHNOLOGIES LIMITED** of P.O. BOX 79883 DSM, Mobile No. 071010404 to buy, sell or otherwise deal in INDUSTRIAL MINERALS from the date of issue up to 30th June 2023, at LINDI.

This licence is issued subject to the following terms and conditions:-

- Licence must buy or otherwise acquire minerals to sell or otherwise dispose minerals as specified in the licence in the Industrial Minerals Area for the purposes of carrying on business as a dealer, to have possession thereof.
- The holder of this licence shall keep fully and accurate records and account of transaction undertaken by him and submit a report to commission on a monthly basis.

Dated at **NACHINGWEA - LINDI** this **16th** day of **JULY**, 2022

Eng. **IDD R. MSIKOZI**
For: EXECUTIVE SECRETARY

Note:
1. All terms and conditions of the Mining Act, Cap. 123 and MINING (MINERALS AND MINERAL

KMN/30/563
TFN: 226
(Rev. 2/96)
ID: 100933

JAMHURI YA MUUNGANO WA TANZANIA

LESENI YA BIASHARA

B 4048563

(Imetolewa chini ya Sheria ya Leseni za Biashara Na. 25 ya Mvaka 1972 marekebisho ya mwaka 1980 na masharti yaliyo nyuma)

*Futa isiyotakiwa.

- Ofisi iliyotolewa **MANISPAA YA KINONDONI**
- Nambari ya Ushuru wa Mapato **ISS - 202 - 610**
- Leseni imetolewa kwa **MUSHROOM TECHNOLOGIES LIMITED** kuendesha biashara ya **IT SERVICES** katika Wilaya/Kanda* ya **KINONDONI** Mtaa **MWENGE**
- Ni ya Shina/Tawi*
Ada Sh. **200,000/-** Nambari ya Stakabadi **376772**
ya tarehe **01/03/2022**
- Mpya/Inaendeleza* Muda wa Leseni Na. **KRPA** ya tarehe **28/02/2023**

(ii) Muda wa Leseni hii utaiisha

Tarehe **01/03/2022**

Sahihi na Muhuri wa Mtaaji Leseni
GP-Dem

**THE UNITED REPUBLIC OF TANZANIA
MINISTRY OF MINERALS
MINING COMMISSION**

THE MINING (MINERAL RIGHTS) REGULATIONS, 2018
PRIMARY MINING LICENCE PML0492LND
The Mining Act, Cap. 123

The exclusive right, subject to the provisions of *The Mining Act, Cap. 123* and the regulations made thereunder or which may come into force during the continuance of this primary mining licence or any renewal thereof is hereby granted to **M/S Melchior Isaac Kisahali** of P.O. Box 79883, Dar es Salaam (hereinafter called the Licensee), to prospect and mine for **Gypsum**, at **Nondwa**, in **Kilwa District, QDS 270/4** over an area described overleaf (Annex A).

This Licence, unless sooner cancelled, suspended or surrendered pursuant to the provisions of *The Mining Act, Cap. 123* shall be valid for a period of **seven (7)** years, effective from the date of grant.

Granted this **19th** day of **NOVEMBER**, 2020

Eng. **JEREMIAH S. HANGO**
For: EXECUTIVE SECRETARY

GN. No. 349

RUTENGE B. O. ADVOCATES
Certified copy of the original
letter/certificate
Date **21/09/2014**
Signature **[Signature]** THE UNITED REPUBLIC OF TANZANIA

**ENVIRONMENTAL IMPACT ASSESSMENT
Certificate**

[Section 92(1) of the Environmental Management Act No. 20 of 2004]

Application Reference No. 1694
Registration No. EC/EIS/1204
This is to Certify that

M/S. **KDCL MINERALS (T) LIMITED**
of **P. O. BOX 9233, DAR ES SALAAM**

has this day been granted an Environmental Impact Assessment Certificate for the proposed project/Activity titled **MANDAWA GYPSUM QUARRY PROJECT** to be implemented/carried out at **MANDAWA VILLAGE IN KILWA DISTRICT, LINDI REGION**

This certificate shall remain in force during the whole lifecycle of this specific project unless heretofore revoked or suspended.

General conditions and terms attached to this certificate are set out herein behind and specific conditions are annexed.

Dated this **5th** day of **SEPTEMBER**, 2014

Hon. Eng. Dr. **Biniilih Satano Mahenge (MP)**
Minister of State, Vice-President's Office - Environment

To learn more about us please visit our website www.mushroomtech.co.tz or email us at contact @mushroomtech.co.tz



**MUSHROOM
TECHNOLOGIES**

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