THE UNITED REPUBLIC OF TANZANIA MINISTRY OF ENERGY AND MINERALS



Tanzania Mining Industry Investor's Guide



Ministry of Energy and Minerals Organisation Structure

Minister
Ministry of Energy and Minerals

A MARKET STATE

Permanent Secretary
Ministry of Energy and Minerals

Energy DivisionCommissioner

TANSORT Director

Minerals Division
Commissioner

Petroleum Section

Electricity Section

New & Renewable Energy Section

Energy Development Section

Gas Utilization Section

Mines Inspection
Section

Small Scale Mining Development Section

Licensing & Mineral Rights Management Section

Mineral Economics & Trading Section

Explosives Management Section

Minerals Beneficiation & Value Addition Section

Zonal Mines Offices

Resident Mines Offices

A message from the Commissioner for Minerals

I have great pleasure to present this Mining Investor's Guide intended to be a quick reference to prospective investors who wish to invest in Tanzania's Mining Industry. This Guide tries to respond to frequently asked questions on existing opportunities, procedures and legal, regulatory and fiscal environment for Tanzania's Mining Industry.

Tanzania is an investor-friendly East African country, which is also highly endowed with prospective geology. Among others, Tanzania offers to the investors the following:



- i) Over 800,000 square kilometres of varied geological terrains with potential mineral resources. Ongoing exploration work, has resulted in discovery of resources in excess of 45 million ounces of gold, 209 million tonnes of nickel, and 50 million carats of tanzanite;
- ii) A history of precious and base metals mining, with opportunities for revival in a new economic era;
- iii) Ample inventory of unexplored mineral ground;
- iv) A comprehensive, systematically archived database on geo-scientific information and mineral resources;
- v) An atmosphere of political stability and economic re-awakening;
- vi) A growing skills base in various disciplines associated with mining; and
- vii) Well-established support services to the mining industry.

Tanzania's vision for the next 10 years for the Mineral Sector is to have a strong, vibrant, well-organized large and

small-scale mining industry conducted in a safe and environmentally sound manner with a

public-private partnership.

I welcome you all to use this Guide to share our vision and to be our partner in the development of our mining industry.





Contents

1.0	COUNTRY PROFILE	6
2.0	ABOUT THE MINISTRY	8
2.1.	Services	. 8
2.2.	Contacts on mining related matters	.8
3.0	THE MINING INDUSTRY IN PERSPECTIVE	. 9
3.1	Why invest in Tanzania Mining Industry	. 10
3.2	Investment Opportunities	. 10
4.0	GEOLOGICAL TERRAINS WITH POTENTIAL MINERAL RESOURCES	. 11
4.1	Geological Map of Tanzania	
4.2	Available Geological Information	. 15
5.0	MINING INDUSTRY DEVELOPMENT IN TANZANIA	. 17
5.1	Exploration trends	. 17
5.2	Mining trends	19
5.3	Value Addition Activities	. 21
	The Arusha Gem Show	
5.4	Private Mining Services	. 22
6.0	THE GOVERNMENT AS THE SERVICE PROVIDER TO THE MINING INDUSTRY	23
6.1	Guidance and Permitting	. 23
6.1.1	Ministry of Energy and Minerals	. 23
6.1.2	Vice President's Office - Department of Environment .	. 23
6.1.3	Tanzania Investment Centre	. 24
6.1.4	Business Registrations and Licensing Agency	
6.1.5	State Mining Corporation (STAMICO)	
6.1.6		
6.2	Skills Development	. 25

6.2.1	Mineral Resource Institute (MRI)	25
6.2.2	Other Training Institutions	25
7.0	MINERAL SECTOR GOVERNANCE FRAMEWORK	26
7.1	The Mineral Policy of 2009	. 26
7.1.1	The Role of the Government	27
7.2	Legal Regime	27
7.3	Salient Features of Mining Act 2010	. 28
7.3.1	General	28
7.3.2	Local and Foreign Participation in Mining	. 28
7.3.3	State Participation	. 29
7.3.4	Local Procurement	. 29
7.3.5	Compensation and Relocation	29
7.3.6	Mineral Royalties	29
7.3.7	Mining Development Agreements (MDA)	. 29
7.3.8	Export and Importation of Minerals	. 30
7.3.9	Types of Mineral Rights under the Mining Act 2010	30
7.3.10	Licence for Dealing in Minerals	30
	Mineral Royalty Rates and Fees	32
7.3.11	Licensing Authority	38
7.4	Fiscal Regime Applicable in Mining	38
7.4.1	Input Taxes	39
7.4.2	Profit Taxes	39
7.5	Procedures for Applying for Mineral Rights in Tanzan	ia
		40
Contac	-ts	44





Tanzania is the 31st largest country in the World.





Kilimanjaro is the highest mountain in Africa with a snow cap throughout the year.

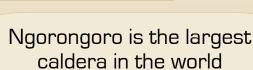


The first upright walking creature lived in Olduvai George in Arusha.



Ol Doinyo Lengai, located in the East African Rift Valley, is the only active carbonatite volcano on Earth.

The green and yellow colours in the Tanzania's national flag denote country's abundant natural resources, with the blue colour representing water resources.





Mwadui is the largest kimberlite pipe in the world where diamond is being mined economically.





Melerani is the only place in the world with natural Tanzanite, which is a thousand times rarer than diamond.

1. COUNTRY PROFILE

Location

Latitude: between 1 and 12 S Longitude: between 29 and 41 E

Land Area

947,303 sq km including Unguja, Pemba and Mafia Islands, with 62,000 sq. km of inland water bodies.

Population

47.4 million people (2014 est.)

Climate

Varies from tropical along the coast to temperate in highlands.

Official Languages

English & Swahili.

Peace & Political Stability

Tanzania is one of the most peaceful and



politically stable countries in Africa. Since its independence in 1961, the country has never experienced a civil war or any major internal strife. Tanzanians continue to live in peace and with a sense of a common national identity. This political stability provides protection to investors. Tanzania is a multiparty democracy since 1992.

Economic Growth

Tanzanian economy expanded at an annualized rate of approximately 7% in 2012/13. Currently, mining contributes 3.5% of the GDP and projected to reach 10% of the GDP by 2025. GDP per capita is currently USD 640 and projected to reach USD 3.000 by 2025.





- Road network consists of 86,472 km. long (12,786 km. of trunk roads);
- Rail network consists of 3,682 km, which are operated by two railway systems: the Tanzania Railway Limited (TRL) - 2,707 km and Tanzania-Zambia Railway Authority (TAZARA) - 975 km. The network also serve neighbouring countries of Zambia, DRC, Burundi, Rwanda, Uganda and Malawi.
- Air transport: Three international airports (Dar es Salaam, Kilimanjaro and Zanzibar) and 21 main aerodromes.
- Electricity: Installed capacity in the main grid is 1,226.24 MW and is expected to reach 10,000 MW by 2025;
- Major Sea Ports: Dar es Salaam, Zanzibar and Tanga.
- Telecommunications: Countrywide landline and cellular networks.
- Banking: local and multinational banks.



2. ABOUT THE MINISTRY

2.1. Services

The Ministry of Energy and Minerals facilitates the development of energy and mineral resources through participation of various stakeholders including public, private, local communities, NGOs and civil society. To that end, the Ministry has put in place a Client Service Charter (www.mem.go.tz) which outlines the services such as licensing, capacity building, information and promotion of energy and mineral sectors.

2.2. Contacts on mining related matters:

Commissioner for Minerals,

Ministry of Energy and Minerals,

5 Samora Machel Road,

P.O. Box 2000,

11474 Dar es Salaam,

TANZANIA

Telephone: +255 22 211 7156 /9



3. MINING INDUSTRY IN PERSPECTIVE

Tanzania is one of Africa's most mineral-rich countries.

Tanzania's mineral sector has experienced a boom that coincided with high and stable economic growth. The mineral sector expanded rapidly following the mineral policy reforms of 1997. So far over US\$ 3.0 billion has been invested in the sector.

Currently, eight large scale mines (six for gold and two for gemstone) and a number of small scale mines mainly for gold, diamonds and coloured gemstones are in operation. Also, there are a number of mining projects at advanced stages (Kabanga nickel project, Mantra uranium project, Mchuchuma coal project, Liganga iron ore project, Nyanzaga gold project, Canaco gold project, Panda Hill niobium project, Ngualla REEs project, Resolute-Nyakafuru gold project, Uranex graphite project, Dutwa nickel project, Ngwena nickel project and Kiwira coal project). In a nutshell, exploration work for various minerals is being undertaken by different licence holders in the country.

As a matter of fact, mineral sector reforms have resulted into positive development of the sector. For example, export earnings from mineral export increased from an average of 1% of total export in 1997 to 52% in 2013; direct employment in the large scale mining industry increased from 1,700 to 15,000 in 2013; gold exports increased from less than 1 tonne in 1997 to 50 tonnes in 2013; and contribution of mining to the GDP was less than 1% in 1997 as compared to 3.5% achieved in 2013.



In spite of the highlighted achievements, the Tanzania Mineral Policy of 2009 aims at strengthening integration of mineral sector with other sectors of the economy, improving economic environment for investment, maximizing Government benefits from mining, promoting mineral value addition activities, strengthening social and environmental management and developing small scale mining operations. Through the existing mineral policy, mining legislation and fiscal regime makes Tanzania a favourable destination for investors in the mineral sector.

3.1 Why invest in Tanzania Mining Industry

- · Vast untapped mineral resources;
- · Stable social and political environment;
- Internationally competitive, non-discriminatory, stable and predictable fiscal regime;
- Good governance, transparent regulatory and administrative system; and
- Adequate geo-information database

3.2 Investment Opportunities

- Exploration;
- Mining;
- Establishment of gemstone value addition activities;
- Establishment of mineral beneficiation activities; and

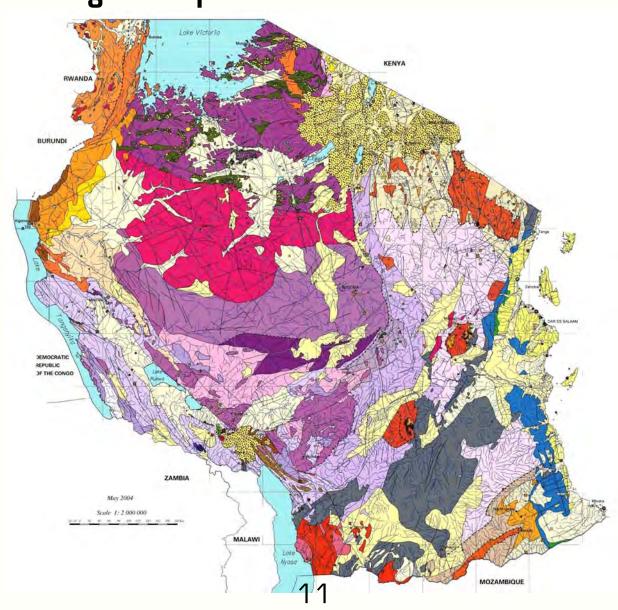


4. GEOLOGICAL TERRAINS WITH POTENTIAL MINERAL RESOURCES

Tanzania is blessed with conducive geological environment representing all the known stratigraphic formations in the world ranging from Achaean to recent. These geological formations host a variety of minerals, mainly metallic minerals such as gold, tin, nickel, iron ore, rare earth element, copper, PGM and lead; gemstones including Tanzanite, diamonds, emerald, ruby and sapphire; industrial minerals including limestone, gypsum, phosphate, kaolin, bauxite and graphite; building materials such as sand and gravel; and energy minerals (coal, uranium).

The map below represent the main stratigraphic formations of Tanzania.

4.1 Geological Map of Tanzania



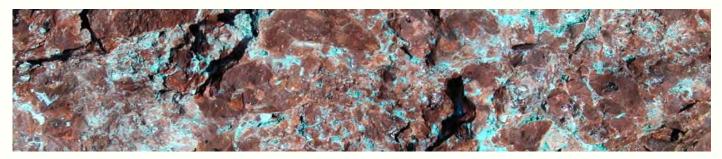
GEOLOGY



Mesoproterozoic (MP2) - Kibaran syn- to late orogenic granite (Karagwe Ankolean belt, internal domain)
Mesoproterozoic - Mafic sills and flows within Bukoba sandstone ("external domain")
Mesoproterozoic (MP2) - Kibaran mafic and ultramafic complex (Kabanga - Musongati belt)
Mesoproterozoic (MP1-2, ante 1379 Ma) - Bukoba sandstone (Nkoma and Kavumwe formations)
Mesoproterozoic (MP1-2) - Karagwe-Ankolean detrital metasediments internal and external domains
Mesoproterozoic (MP1-2 ante 1239 +/- 50 Ma - sediments (Itiaso group), external domain
Mesoproterozoic protoliths affected by high-grade metamorphism : granulite, charnockite, enderbite, granulitic, charnockitic & enderbitic gneiss (Songea & southwestern Tanzania)
Paleoproterozoic or Mesoproterozoic - Late orogenic granite & granodiorite
Paleoproterozoic - Felsic volcanism & plutonism, "Bangweulu basement" (PP3-4) & Ukingan supergroup
Paleoproterozoic 3-4 - Ubendian tectonic domain : metasedimentary & plutonic complexes (gneiss, augen gneiss, migmatites, local granulite)
Paleoproterozoic (PP3-4 ?) - Ubendian meta-mafic & ultramafic rocks
Paleoproterozoic (PP3-4) Usagaran sediments, volcanosediments & plutonic rocks, with relics of archean basement (MA-NA) reworked during panafrican ("Mozambique Belt")
Paleoproterozoic PP3 detrital metasediments, Mbala Formation, Mporokoso group
Paleoproterozoic (PP2-3) meta-volcano-sedimentary rocks (Igara group)
Paleoproterozoic (PP1-3) - Orthogneisses, metasediments, metagabbros with PP2-3 (2Ga) eclogitic relics (Isimani suite)
Paleoproterozoic eclogite (PP2-3) with archean to Paleoproterozoic protolith
Composite tectonometamorphic domain (undifferentiated metasediments, metagranitoids, metabasites) of unknown age with evidences of archean crust (Sm-Nd ages), affected by NP3 pan-african event (Mozambique Belt)
Archean to Paleoproterozoic anorthosite, gabbro and ultramafic rocks
Archean to Paleoproterozoic late-to post-orogenic granite and granodiorite
Archean syn-orogenic granites
Neoarchean (Mesovictorian) clastic sedimentary formations (Kavirondian, North Mara, Usongo)
Neoarchean TTG granitoids, Lake Victoria terrane
Neoarchean (Eovictorian) - Greenstone belts with BIF (Nyanzian : Kuria, Musoma)
Neoarchean - Undifferentiated granitoids, migmatites, meta-ultrabasites
Mesoarchean to paleoarchean metamorphic and anatectic complexes (Dodoman group)
Meso- to Paleoarchean (?) granite, granodiorite, leucogranite (Southern basement)

The Tanzania mineral endowment is as follows:

- ♦ Gold occurrences hosted by the *Archean* greenstone belts and banded iron formations in South and Eastern part of Lake Victoria.
- ♦ Gold and base-metal occurrences in the Proterozoic *Ubendian* Supergroup in South West Tanzania.
- ♦ Kimberlite pipes in the central and southern parts of the *Archean* craton.
- ♦ Nickel, cobalt, copper, tin and tungsten bearing rock formations in the *Karagwe Ankolean* Supergroup in northwest Tanzania.
- ◆ Major gemstone occurrences in the *Proterozoic Usagaran* (Eastern Tanzania) and *Ubendian* Supergroup.



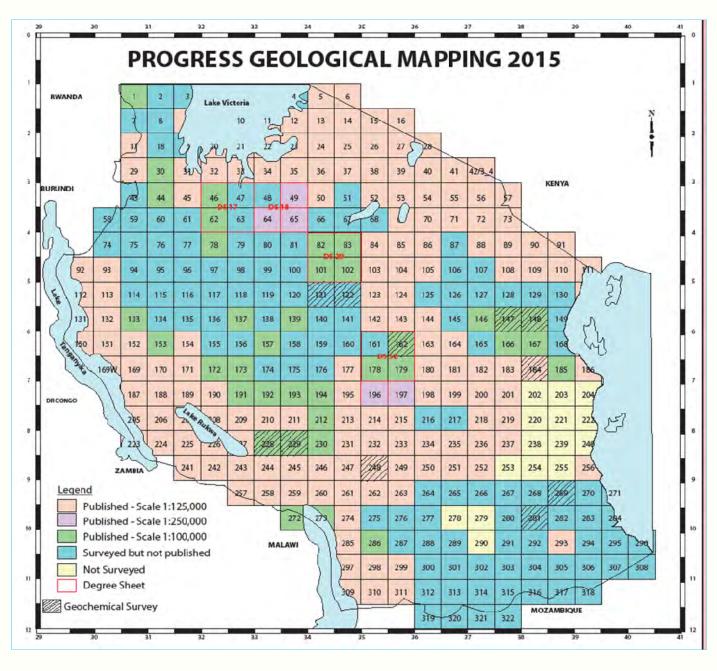
- ♦ Carbonatites associated with the Rift Valley System.
- ♦ Iron ore hosted in Anorthositic intrusives in the Proterozoic Ubendian Supergroup.
- ♦ Evaporites in the Rift Valley and younger formations along the coastal belt.
- ◆ Coal resources in the Karoo Supergroup in the Southern Tanzania;
- ◆ Uranium occurrences in the Karoo Supergroup in south-western and southern Tanzania and in superficial deposits within the Archaean craton in central Tanzania; and
- ◆ A variety of industrial minerals such as kaolin, diatomite, gypsum, pozollana, limestone, meerschaum, bentonite, ball clay and dimension and art stones (granites, marble, anyolite) occurring in different rock formations.



4.2 Available Geological Information

Geological and geophysical information for assisting investors in selecting prospective areas for licence applications are available at the Geological Survey of Tanzania (GST) located in Dodoma.

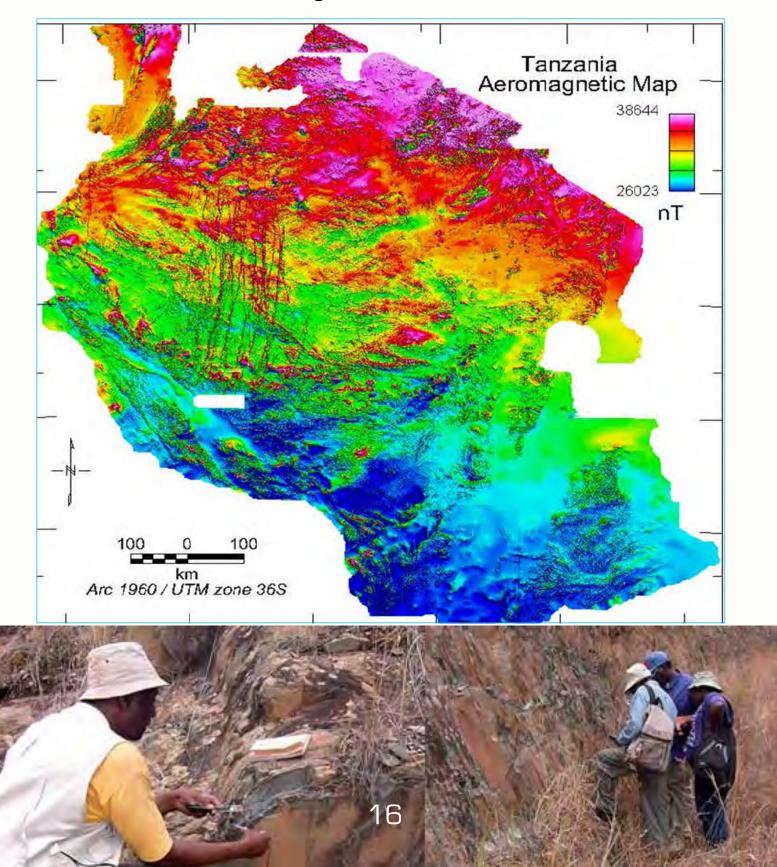
90 percent of the country has been geologically surveyed. Geological maps at a scale of 1:250,000 cover about 88% of the 322 Quarter Degree Sheets (QDS) of Tanzania. Few maps are at scales of 1:125,000 and 6 percent of maps are at the scale of 1:100,000. Other maps include a geological map of Tanzania, and of Lake Victoria Gold Field.



Countrywide airborne coverage by magnetic, electromagnetic and radiometric survey is available. Several airborne surveys have been carried out in specific areas. High resolution geophysical data covers 15.7 percent of the country.

For more information visit the Tanzania geological portal at:

www.gmis-tanzania.com

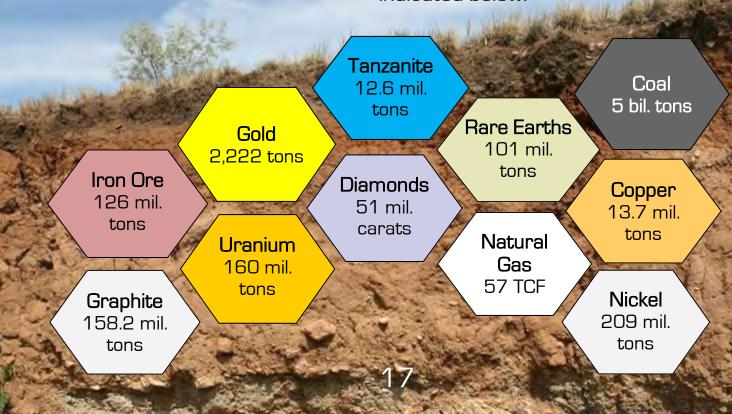


5.0 MINING INDUSTRY DEVELOPMENT IN



5.1 Exploration Trends

Prior to 1990s, limited geological investigations were carried out by a number of companies, coordinated through State Mining Corporation (STAMICO) and the Geological Survey. Economic Policy changes thereafter resulted in formulation of Mineral Policies of 1997 and 2009 which resulted into increased exploration activities in the country. Exploration activities continue to increase as witnessed in the increased flow of Foreign Direct Investment (FDI) into the mining industry averaging US\$ 460 million Mineral investors ber annum. continue to acquire prospective areas which have resulted defined mineral reserves indicated below.





Major Exploration at advanced stages

As of December 2014, the following exploration projects were at feasibility stage, with reserves as indicated:

- Bahi Uranium Project (6.1 Moz)
- Buckreef Gold Project (1.3 Moz)
- Dutwa Nickel Project (110 Mt @ 0.93 % Ni and 0.02% Co)
- Epanko Graphite project (2.2 Mt)
- Handeni Gold Project/ Magambazi (0.721 Moz)
- Kabanga Nickel Project (37.23 Mt)
- Liganga Iron Ore Project (126 Mt)
- Magamba Coal Project (52 Mt)
- Manyoni Uranium Project (29 Mlb)
- Mbalawala Coal project (40 Mt)
- Mbeya (formerly Rukwa) Coal to Power Project (71.3 Mt)
- Mchuchuma Coal Project (48 Mt)
- Mkuju River Uranium Project (124.6 Mlb)
- Nachu Graphite project (156 Mt @ 5.2%)
- Ngualla Rare Earth Project (1.28 Mt)
- Nyakafuru Gold project (13 Mt)
- Nyanzaga Gold project (4.6 Moz)
- Ntaka Hill Nickel Sulphide Project (0.12 Mt)
- Panda Hill Niobium project (96.3 Mt @ 0.53% Niobium)
- Saza-Makongolosi Gold project (0.47 Moz)
- Wigu Hill REE Project (3.3 Mt)

5.2 Mining Trends

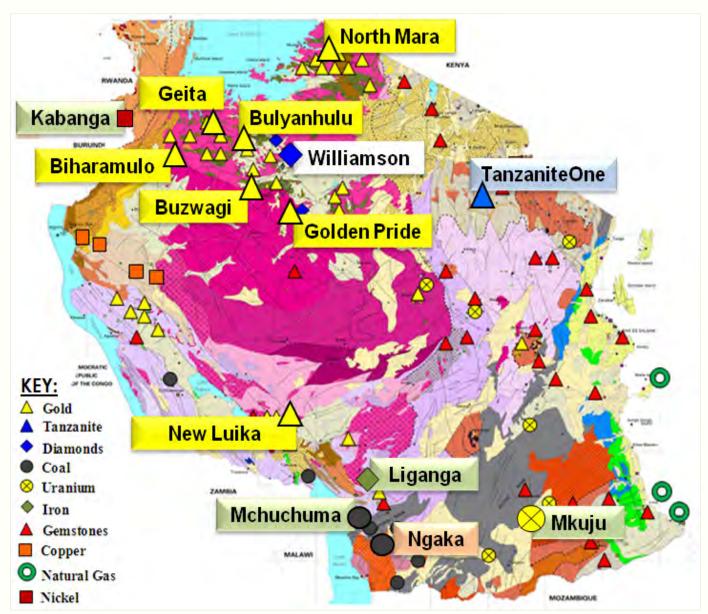
In the past two decades, Tanzania experienced a mining boom, with mining doubling its contribution to the Tanzanian economy. By the end of 2014 the following large and medium scale mines were operational.

MAJOR ACTIVE MINES IN TANZANIA

STAMIGOLD	Company/ Project O	Ownership	Resource	Grade	Life of Mine	Monthly Throughput	Commissionina
STAMIGOLD						(tonnes)	Year
Ine Acacia Mining 28.2 Mt. 14.5 g/t 30 line Acacia Mining 27.9 Mt. 2.3 g/t 5 3 Ltd Ashanti 105 Mcrt. 3.3 g/t 11 17 Mine Shanta Gold 6.1 g/t 5 3 I TanCoal Energy 200 Mt. Grade A 100+ 6 I Limited Acacia Mining 48.8 Mt. 3.3 g/t 9 Plc Plc Plc Plc Petra Diamonds 50.9 Mcrt. 5.2 cpht 13		TAMIGOLD	1.9 Mt.	11.3 g/t	3	125,000 ounces	2005
line Acacia Mining 27.9 Mt. 2.3 g/t 5 Ltd AngloGold Ashanti 169.8 Mt. 3.3 g/t 11 Ltd Sky Associates JV STAMICO 105 Mcrt. 6.1 g/t 5 Mine Shanta Gold Limited 6.1 g/t 5 Pimited 48.8 Mt. 3.3 g/t 9 Pic Pic Petra Diamonds 50.9 Mcrt. 5.2 cpht 13		cacia Mining Ic	28.2 Mt.	14.5 g/t		1,095,000 ore processing/ 15,100 kg gold	2001
AngloGold Ashanti 169.8 Mt. 3.3 g/t 11 Ltd Sky Associates 105 Mcrt. 17 Mine Shanta Gold 6.1 g/t 5 Acacia Mining 48.8 Mt. 3.3 g/t 9 Petra Diamonds 50.9 Mcrt. 5.2 cpht 13		cacia Mining Ic	27.9 Mt.	2.3 g/t	5	360,000	2009
Ining LtdSky Associates JV STAMICO105 Mcrt.17Gold MineShanta Gold6.1 g/t5I MineTanCoal Energy Limited200 Mt.Grade A & B100+GoldAcacia Mining48.8 Mt.3.3 g/t9PlcPlc5.2 cpht13		ngloGold shanti	169.8 Mt.	3.3 g/t		6,000,000 ore processing/ 24,000 kg gold	2000
Gold Mine Shanta Gold 6.1 g/t 5 I Mine TanCoal Energy 200 Mt. Grade A 100+ Gold Acacia Mining 48.8 Mt. 3.3 g/t 9 Plc Plc 9 9 Petra Diamonds 50.9 Mcrt. 5.2 cpht 13		ky Associates / STAMICO	105 Mcrt.		17	120,000 ore processing/ 1,600 kg tanzanite.	2001
I Mine TanCoal Energy 200 Mt. Grade A 100+ Gold Acacia Mining 48.8 Mt. 3.3 g/t 9 Plc Plc 9 9 Petra Diamonds 50.9 Mcrt. 5.2 cpht 13		hanta Gold		6.1 g/t	5	50,000	2012
Gold Acacia Mining 48.8 Mt. 3.3 g/t 9 Plc Plc 5.2 cpht 13		anCoal Energy mited	200 Mt.	Grade A & B	100+	40,000 of coal	2011
Petra Diamonds 50.9 Mcrt. 5.2 cpht 13		cacia Mining Ic	48.8 Mt.	3.3 g/t		2,800,000 ore processing/ 10,000 kg gold	2002
Government	Ltd)	Petra Diamonds JV Tanzania Government	50.9 Mort.	5.2 cpht	13	7,060,000 ore processing	1940

<u>_</u> თ

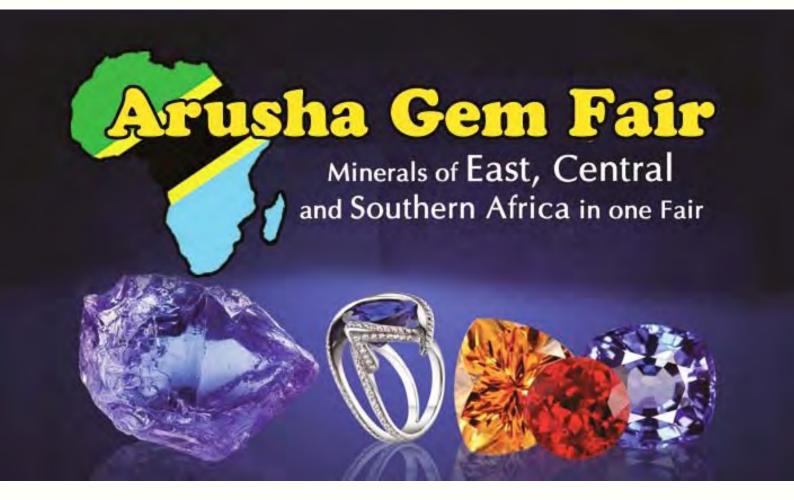
Map showing location of major mines and projects in Tanzania





5.3 Value Addition Activities

The mineral Policy of 2009 encourages value addition activities such as mineral beneficiation, gemstone cutting and polishing, jewellery making and stone carving. Such activities have been on increase in Tanzania and provide opportunities for investment. Notable developments in this area include the growth of gemstone cutting centres, copper smelter plants, rock cutting and polishing facilities (dimension stones).



The Arusha Gem Show

Tanzania re-established the annual international gem show in Arusha in 2012 with a purpose to build a value-addition infrastructure that brings more direct benefit to the country in the form of employment, education and conservation.

For more information on the Arusha Gem Show, visit:

www.arushagemshow.com

5.4 Private Mining Services

The mining industry is a major consumer of goods and services; hence the developments of mining services match with the growth of mining industry. In the past two decades mining support services have been developing progressively to cater for the needs of the mining industry. Such services include: drilling; catering services; consulting services and supply of equipment; tools and mining consumables. However, with prospects of more mines coming into stream the demand for such services will increase.



6. THE GOVERNMENT AS SERVICE PROVIDER TO THE MINING INDUSTRY

6.1 Guidance and Permitting

The following Government Ministries and Agencies provide guidance, permits and licences relevant for investing in the mining industry.

6.1.1 Ministry of Energy and Minerals

The Ministry of Energy and Minerals (MEM) is responsible for guiding the development of the Mineral Sector in Tanzania through the Mineral Division. The Mineral Division conducts promotion and issues guidance on Minerals Sector investment opportunities; grants licences, permits and authorization in matters related to explosives, mineral trading; mine

installations, mineral exports and imports; exploration, mining a n d mineral processing; and provides support services for smallscale mining. Further information can be accessed the on Ministry Websites: www.mem.go.tz and portal.mem.go.tz



6.1.2 Vice President's Office-Department of Environment

Applicants for mining licences are required to obtain environmental clearance from the Vice-Presidents Office responsible for environment management matters. National Environment Management Council (NEMC) is an Agency under this Ministry responsible for the Environmental Impact Assessment (EIA) process. For further information visit www.nemc.or.tz

6.1.3 Tanzania Investment Centre

The Tanzania Investment Centre (TIC) is responsible for coordination, promotion and facilitation of investment in Tanzania. The Agency deals with all enterprises whose minimum capital investment is not less than US \$ 300,000 if foreign owned or US \$ 100,000 if locally owned. The Agency assists investors to obtain permits



and authorization to set up and operate investments in Tanzania, except for enterprises engaged in mining and oil & gas which must follow the approval process contained in their respective laws. For further information visit www.tic.co.tz

6.1.4 Business Registrations and Licensing Agency

The Business Registrations and Licensing Agency (BRELA) is responsible for registration of business names, companies and intellectual property rights such as patents of inventions,



industrial designs, trade and service marks. It also registers industries and grant licences for manufacturing industries. For further information visit www.brela.go.tz

6.1.5 State Mining Corporation

The State Mining Corporation (STAMICO) is a Government Parastatal responsible for developing mineral resources on behalf of the Government. STAMICO offers services to the mining industry such as contract drilling, resource assessment, as well as providing extension services to small scale miners. For further information visit: www.ctam.



small scale miners. For further information visit: www.stamico.co.tz

6.1.6 Geological Survey of Tanzania

The Geological Survey of Tanzania (GST) is a Government Agency responsible for acquisition and storage of geoscientific data and information on mineral resources. Core activities range from geological mapping, mineral exploration, evaluation, and processing, and research work on geological processes and mineral systems and



geo-hazards. GST offers laboratory and geo-information services and resource appraisal. For further information visit: www.gst.go.tz

6.2 Skills Development

6.2.1 Mineral Resource Institute

MRI is an Institution under the Ministry of Energy and Minerals, responsible for providing competence based training for technicians in the field of Geology, Mineral Exploration, Mining engineering and Mineral Processing Engineering. For further information visit website: www.mri.ac.tz

6.2.2 Other Training Institutions

Other training institutions which provide training related to mining industry include Tanzania Gemological Centre which offers training in gemology, lapidary, jewellery and rock carving; Vocational Education and Training Authority (VETA); Dar es Salaam Institute of Technology (DIT); Arusha Technical College (ATC); University of Dar es Salaam (UDSM) and University of Dodoma (UDOM).



7. MINERAL SECTOR GOVERNANCE FRAMEWORK

7.1 The Mineral Policy of 2009

The Mineral Policy of 2009 was formulated within the framework of the Tanzania Development Vision 2025. The three principal objectives of the Vision 2025 are achieving quality and good life for all; good governance and the rule of law; and building a strong and resilient economy that can effectively withstand global competition. These objectives not only deal with economic issues, but also include social issues such as education, health, the environment and increasing involvement of the people in working for their own development. The thrust of these objectives is to attain a sustainable development.

Under the Mineral Policy of 2009, the vision for the next 25 to 30 years for the Mineral Sector is to have a strong, vibrant, well-organized large and small-scale mining industry conducted in a safe and environmentally sound manner with a public-private partnership.

Objectives of the Mineral Policy:

- To continue to attract private investments in exploration and mining;
- Government to participate in strategic Projects;
- To emphasize integration of the mineral sector with the rest of the economy;
- To establish a fiscal regime which balances benefits with investments competitiveness;
- To support mineral beneficiation and marketing;
- To underpin development of small scale miners;
- To promote public participation in mining activities; and
- To guide investors towards sustainable exploitation of mineral resources of Tanzania in a win win manner.

7.1.1 The Role of the Government

The role of Government is to formulate policy, establish guidelines and regulate the mineral sector; promote and facilitate private investments; and provide essential services needed by the mines. The Government may participate strategically in mining activities such as exploration, mineral exploitation and value addition. This will stimulate other sectors of the economy and increase benefits to the nation.

7.2 Legal Regime

Tanzania has a globally competitive and investor-friendly legal regime. The Mining Act, 2010 guarantees investors' security of tenure, repatriation of capital and profits, and transparency in the issuance and administration of mineral rights. It also addresses environmental concerns adequately.

Applicable legislations in the Mineral sector are The Mining Act, 2010, and The Explosives Act, 1963. The Mining Act of 2010 sets out the legal framework governing mineral exploration, exploitation and marketing. Various mining regulations have been established under the Mining Act, 2010 to regulate mining activities. These mining regulations are:

- The Mining (Mineral Rights) Regulations, 2010
- The Mining (Environmental Protection for Small Scale Mining) Regulations, 2010
- The Mining (Safe Working and Occupational Health) Regulations, 2010
- The Mining (Mineral Trading) Regulations, 2010
- The Mining (Radioactive Minerals) Regulations, 2010
- The Mining (Mineral Beneficiation) Regulations, 2010
- The Mining Development Agreement Model 2010

- The Mining (Salt production and lodation) Regulations, 1999
- The Merelani (Controlled Area) Regulations, 2002
- The Mining (Diamond Trading) Regulations, 2003

The Explosives Act of 1963 sets out the legal framework for importation, exportation, handling and application of explosives in mining. The Explosives Regulations, 1964 have been established under the Explosives Act, 1963 to regulate explosives matters in mining.

7.3 Salient features of Mining Act, 2010

7.3.1 General

- Mineral property and control over minerals is vested in the United Republic of Tanzania.
- No prospecting or mining operations without a Mineral Right.
- Non-mandatory state participation.
- Joint ventures with local companies encouraged.

7.3.2 Local and Foreign Participation in Mining

- Exploration and mining is open to locals and foreigners or Joint ventures between local/foreign companies except for the following:
 - ⇒ Foreigners are not permitted to hold or conduct their exploration/mining activities using PMLs;
 - ⇒ Gemstone exploration and mining is reserved for locals. The Minister may authorise some projects to run jointly by locals and foreigners (on 50/50 equity).
- Mineral trading can be conducted by locals or jointly by locals and foreigners where locals must hold not less than 25% shares in the joint venture; and

• Licensing of exploration and mining is based on 'first come first served' principle.

7.3.3 State Participation

Government may acquire free carried interest and a paid-up equity

7.3.4 Local Procurement

Mining licences must have annual procurement plans with preference for local services and products.

7.3.5 Compensation and Relocation

Mining projects must provide a compensation, relocation and resettlement plans, which must be implemented before commencement of mining operations;

7.3.6 Mineral Royalties

Royalties are charged on Gross Value for different mineral commodities as follows: diamonds and gemstone – 5%; Uranium – 5%; precious metals (gold, silver, copper, platinum etc.) - 4%; polished and cut gemstones – 1%; and others (building materials, salt, industrial minerals) – 3%.

7.3.7 Mining Development Agreements (MDA)

Holder of Special Mining Licences (for investments exceeding US\$100 million) may enter into MDA with the Government. MDAs are subject to review after every five years and at the renewal of the mineral right.



7.3.8 Export and Importation of Minerals

- Authorised miners and holders of dealer licences can export minerals from Tanzania.
- All export and import of minerals are subject to export/import permit.
- Export and import of radioactive material can be authorised by the Minister.

7.3.9 Types of Mineral Rights under the Mining Act, 2010

Division A

- Prospecting Licence (PL)
- Retention Licence (RL)

Division B

- Special Mining Licence (SML)
- Mining Licence (ML)

Division C

Primary Mining Licence (PML)

Division D

- Licence for Processing Minerals
- Licence for Smelting or Refining Minerals

7.3.10 Licence for Dealing in Minerals

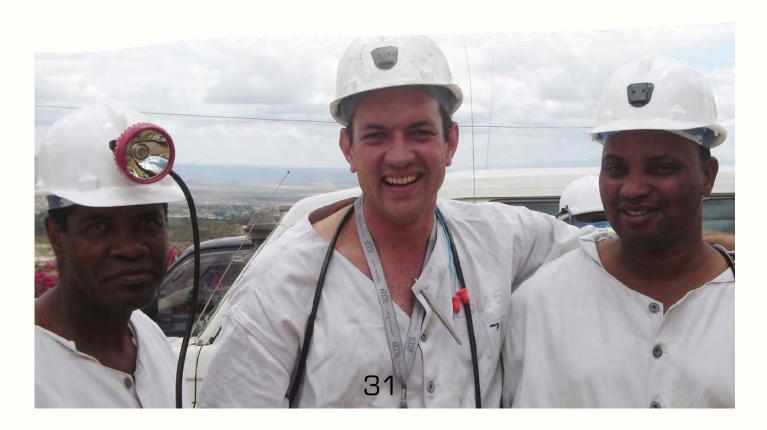
The following licences can be issued for dealing in minerals:

- Dealer Licences which can be issued to Tanzania citizens and foreigners
- Broker Licences which can be issued to Tanzania citizens only

Dealer licences can be issued with respect to the following mineral categories: gold, metallic minerals, coloured gemstones, diamonds, coal and industrial minerals.

The Tanzania's licensing system distinguishes mineral rights by mining scale and type of minerals as elaborated below:

- Mineral categories under the Mining Act of 2010: Metallic Minerals, Energy Minerals, Gemstone Minerals excluding Kimberlitic diamond, Kimberlitic diamond, Industrial minerals, and Building materials.
- Mineral rights types under the Mining Act of 2010 include Prospecting Licence (PL); Retention Licence (RL); Special Mining Licence (SML); Mining Licence (ML); Primary Mining Licence; Processing Licence; Smelting Licence and Refining Licence.
 - ⇒ **Prospecting licence** granted for a period of 3 years; at each renewal at least 50% of the area is relinquished.
 - ⇒ Mining licence granted for medium scale mining operations whose capital investment is between USD 100,000 and USD 100 million.
 - ⇒ Special mining licence granted for large scale mining operations whose capital investment is not less than USD 100 million.
- A licence to mine gemstones is granted to Tanzanians, except for cases where skills, technology or huge capital is required to develop the ore body. However, participation of a foreign investor would have to be below 50%.



TYPE	BASE	RATE/ AMOUNT	PAYMENT SYSTEM
1. ROYALTY:			
	Gross Value	4%	Paid on export or local consumption upon delivery
 Metallic minerals (Gold, Copper, Silver, etc.) 	Net Back Value for MDA Holders prior to 2010	3%	Paid on export or local consumption upon delivery
 Gemstones (Rough), Diamond (Rough) & Uranium 	Gross Value	5%	Paid on export or local consumption upon delivery
 Salt, industrial minerals and building Materials 	Gross Value	3%	Paid on export or local consumption upon delivery
 Gem (Cut and Polished Gemstones) 	Gross Value	1%	Paid on export or local consumption upon delivery
2. APPLICATION FEES FOR:			
 Prospecting Licence (PL) for metallic minerals, energy minerals and kimberlitic diamond 	PL	USD 300	Paid on application
 Prospecting Licence for building materials and gemstones excluding kimberlitic diamond 	PL	USD 300	Paid on application
 Prospecting Licence for industrial minerals 	PL	USD 200	Paid on application
Retention Licence	RL	USD 4,000	Paid on application
 Special Mining Licence 	SML	USD 5,000	Paid on application
Mining Licence	ML	USD 2,000	Paid on application

TYPE	BASE	RATE/ AMOUNT	PAYMENT SYSTEM
minerals			
 Primary Mining Licence 	PML	TZS 100,000	Paid on Renewal
4. APPLICATION FOR A CERTIFICATE OF SUSPENSION OF:	N OF:		
 Work in the mineral rights under Division C 	Number of mineral rights	TZS 50,000	Paid on application
 Work in mineral right other than mineral rights under Division C 	Number of mineral rights	USD 200	Paid on application
5. APPLICATION FOR A CERTIFICATE OF AMALGAMA	MATION OF:		
Primary Mining Licences	Number of amalgamation transaction	TZS 200,000	Paid on application
6. APPLICATION FOR A CERTIFICATE OF SURRENDE	DER OF:		
 Part or whole of the Primary Mining Licence area 	Number of certificates	TZS 50,000	Paid on application
 Part or whole of the area of a mineral right other than a Primary Mining Licence 	Number of certificates	USD 500	Paid on application
7. PREPARATION FEES FOR:			
 Prospecting Licence for all minerals 	PL	USD 500	Paid upon receipt of offer
 Mining Licence for all minerals 	ML	USD 1,000	Paid upon receipt of offer
 Special Mining Licence 	SML	USD 2,000	Paid upon receipt of offer
Retention Licence	RL	USD 2,000	Paid upon receipt of offer

TYPE	BASE	RATE/ AMOUNT	PAYMENT SYSTEM
 Mining Licence for building materials 	ML	USD 2,000	Paid on application
 Primary Mining Licence 	PML	TZS 50,000	Paid on application
 Transfer of Primary Mining Licence 	PML	USD 200	Paid on application
 Transfer of shares in a Primary Mining Licence 	PML	USD 500	Paid on application
 Transfer of mineral rights other than Primary Mining Licence 	PML	USD 3,000	Paid on application
 Search in register, for every one hour or part thereof 	Number of search	USD 50	Paid on application
 Registration of any document in the office of the Commissioner for Minerals 	Number of documents to be registered	USD 500	Paid on application
 Approval of any document by the Minister as provided in the Mining Act 	Number of documents to be approved	USD 500	Paid on application
3. APPLICATION FEES FOR RENEWAL OF:			
 Prospecting Licence (PL) for metallic minerals, energy minerals and kimberlitic diamond 	PL	USD 300	Paid on Renewal
 Retention Licence 	RL	USD 4,000	Paid on Renewal
Special Mining Licence	SML	USD 5,000	Paid on Renewal
 Mining Licence 	ML	USD 2,000	Paid on Renewal
 Mining Licence for building materials and industrial 	ML	USD 2,000	Paid on Renewal

TYPE	BASE	RATE/ AMOUNT	PAYMENT SYSTEM
 Primary Mining Licence 	PML	TZS 50,000	Once application is approved
8. ANNUAL RENTS PAYABLE FOR ALL MINERAL RIG	HTS OTHER THA	IN MINERAL RIGHT	RIGHTS OTHER THAN MINERAL RIGHTS UNDER DIVISION D:
 Prospecting Licence for metallic minerals, energy minerals, kimberlitic diamonds, building materials and gemstones, for initial period. 	Licence Area	USD 100 per sq.km	Paid annually
 Annual rent for first renewal of a Prospecting Licence 	Licence Area	USD 150 per sq.km	Paid annually
 Annual rent for second renewal of a Prospecting Licence 	Licence Area	USD 200 per sq.km	Paid annually
Retention Licence	Licence Area	USD 2,000 per sq.km	Paid annually
Special Mining Licence	Licence Area	USD 5,000 per sq.km	Paid annually
 Mining Licence for metallic minerals, energy minerals, gemstones and kimberlitic diamonds 	Licence Area	USD 3,000 per sq.km	Paid annually
 Mining Licence for building materials and industrial minerals 	Licence Area	USD 2,000 per sq.km	Paid annually
9. ANNUAL RENTS FOR MINERALS UNDER DIVISION D	0		
 Primary Mining Licence for all minerals other than gold, kimberlitic diamonds and gemstones, subject to a minimum of TZS 20,000/= for each licensed area having less than 2 hectares (TZS 80,000/=) 	Licence Area	TZS 40,000 per hectare	Paid annually
	(

. 2

Mineral Royalty Rates and Fees

TYPE	BASE	RATE/ AMOUNT	PAYMENT SYSTEM
 Primary Mining Licence for gold, kimberlitic diamonds or gemstones, subject to a minimum of TZS 40,000/= for each Licensed area having less than 2 hectares (TZS 160,000/=) 	Licence Area	TZS 80,000 per hectare	Paid annually
10. FEES FOR DEALING IN MINERALS			
 Application fee for Dealer Licence (nonrefundable) 	DL	USD 200	Paid on application
 Application fee for Broker Licence (nonrefundable) 	BL	TZS 50,000	Paid on application
 Licence fee for Dealer Licence – Gold, Metallic & Coloured Gemstones 	DL	USD 1,000	Paid on application
 Licence fee for Dealer Licence – Diamonds 	DL	USD 2,000	Paid on application
 Licence fee for Dealer Licence – Coal and Industrial Minerals 	DL	USD 500	Paid on application
 Licence fee for Broker Licence 	BL	TZS 200,000	Paid on application
 Application fee for renewal of Dealer Licence 	DL	USD 100	Paid on application
 Application fee for renewal of Broker Licence 	BL	TZS 50,000	Paid on application
 Renewal of Dealer Licence – Gold, Metallic & Coloured Gemstones 	DL	USD 800	Paid on application
 Renewal of Dealer Licence – Diamonds 	DL	USD 1,500	Paid on application
 Renewal of Dealer Licence – Coal and Industrial Minerals 	DL	USD 300	Paid on application
 Renewal of Broker Licence 	BL	TZS 160,000	Paid on application
	טט		

36

Mineral Royalty Rates and Fees

TYPE	BASE	RATE/ AMOUNT	PAYMENT SYSTEM
11. FEES FOR EXPORT & IMPORT OF MINERALS			
 Application fee for Export Permit of minerals 	Permit	USD 100	Paid on application
 Application fee for Import Permit of minerals 	Permit	USD 300	Paid on application
 Application fee for Special Export Permit of minerals for non-resident 	Permit	USD 2,000	Paid on application
 Application fee for Special Export Permit of minerals for tourist 	Permit	USD 200	Paid on application
 Application fee for Special Export Permit of minerals purchased at a Gem Trade Fair 	Permit	USD 200	Paid on application
 Application fee for Import Permit of minerals imported for a Gem Trade Fair 	Permit	USD 200	Paid on application
12. FEES FOR PROCESSING, SMELTING and REFINING LICENCES	G LICENCES		
 Application fee for Processing Licence, Smelting Licence or Refinery Licence 	Licence	USD 200	Paid on application
 Preparation fee for Processing Licence, Smelting Licence or Refinery Licence 	Licence	USD 200	Paid on application
 Annual Licence fee for Processing Licence, Smelting Licence or Refinery Licence 	Licence	USD 1,000	Paid on application
 Application fee for renewal of Processing Licence, Smelting Licence or Refinery Licence 	Licence	USD 200	Paid on application
	1		

7.3.11 Licensing Authority

Minister for Energy and Minerals - is responsible for granting the following licences:

- Special Mining Licence
- Mining Licence
- Retention Licence
- Smelting and Refining Licence

Commissioner for Minerals - is responsible for granting the following licences:

- Prospecting Licence
- Processing Licence

Zonal Mines Officers - are responsible for granting the following licences:

- Primary Mining Licence
- Dealer Licence
- Broker Licence

7.4 Fiscal Regime Applicable in Mining

Fiscal terms are governed by the Financial Laws (Miscellaneous Amendments) Act, 1997 and The Value Added Act, 1997 and their subsequent amendments. For more information visit: www.tra.go.tz





7.4.1 Input Taxes

- i) Import Duty exemption for mining equipment and supplies directly related to the mining operations are granted up to one year after the start of production. A cap limit of 5% customs duties on imports of capital equipment and supplies applies thereafter.
- ii) Value Added Tax (VAT) on domestic sales is 18% and exports are zero-rated. VAT paid is fully recoverable and there is full relief from VAT for services or goods exclusively for mining activities.
- iii) Holders of mineral rights are exempted from domestic Withholding Tax on goods and services supplied by them. However, they shall be obliged to withholding tax on domestic goods or services purchased by them.
- iv) Withholding tax on technical service payments to subcontractors shall be 5% to residents and 15% to non-residents.
- v) Fuel Taxes (Fuel Levy and Excise duty on fuel): US\$200,000 per annum.
- vi) Local Levy is charged at 0.3% of annual turnover and is paid to Local Government authority where the mine is located.

7.4.2 Profit Taxes

- i) Corporate tax on income from mining activities is 30% of the net income of the corporation, which is standard for all corporate bodies in Tanzania.
- ii) There is ring fencing around the mining sector.
- iii) Depreciation is allowable to all mining capital expenditure and on exploration and production rights.
- iv) Losses may be carried forward for recovery without limit.
- v) Withholding tax on paid out dividends and tax on distribution of branch profits to non-residents is 10%.
- vi) Withholding tax rates on loan interest or interest paid to related parties will be 10%, but shall not apply to interest paid to resident financial institutions.

Updates on fiscal terms are available at: www.tra.go.tz

7.5 Procedures for Applying for Mineral Rights in Tanzania

(Note: This information is given for guidance only. Reference to the Mining Act, 2010 and its regulations is advised when applying for mineral rights).

7.5.1 Application for Prospecting Licence (PL)

- Step 1. Applicant identifies area of interest.
- Step 2. The Applicant completes and submits a Prospecting License Application Form and supporting documents to the Commissioner for Minerals.
- Step 3. Technical Committee on Mineral Titles evaluates the Application (financial capability and technical expertise) and makes recommendation to the Commissioner for Minerals.
- Step 4. The Commissioner for Minerals issues an Offer Letter to the Applicant with prescribed fees, or issues a Rejection Letter.
- Step 5. Subject to acknowledgement and payment made against the offer, The Commissioner for Minerals grants the Mineral Right to the Applicant.
- Step 6. The Licensee must obtain an Entry Permit from respective Local Authority body, before any work on the concession area can commence.
- (*) Supporting documents include: 3 copies each of: (a) Application form (MRF 1) with Coordinates in Arc 1960, (b) A topographical map of the area of interest, (c) Work Program for the proposed prospecting operation, (d) Local procurement plan and training program, (e) Particulars of Company: Certificate of Incorporation, Memorandum and Articles of Association, Latest audited Accounts of the Company, (f) Evidence of financial capability to carry out the proposed operations.

7.5.2 Application for Mining Licence (ML), Retention Licence (RL) or Special Mining Licence (SML)

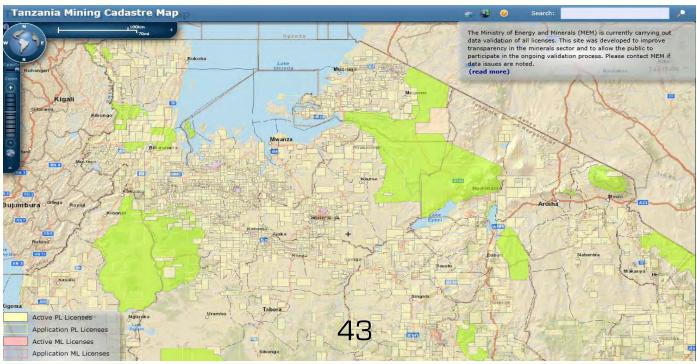
- Step 1. Applicant identifies the relevant Prospecting Licence(s).
- Step 2. The Applicant submits an Application Form for Mining Licence and supporting documents to the Minister.
- Step 3. Technical Committee on Mineral Rights evaluates the Application (financial capability and technical expertise) and makes recommendations.
- Step 4. For a successful Application, the Commissioner for Minerals issues an Offer Letter to the Applicant with prescribed fees or issues a Rejection Letter. SML and RL Applications are referred to the Mining Advisory Board (MAB).
- Step 5. Subject to acknowledgement and payment made against the offer, the Minister grants the Mineral Right to the ML. The Minister will consult the MAB before granting RL or SML.
- Step 6. The Licensee must obtain an Operating Permit from the Chief Inspector of Mines and Local Authorities, before any work on the concession area can commence.
- (*) Supporting documents include: 3 copies each of: (a) Application form (MRF 3) with Coordinates in Arc 1960, (b) Topographical map of the applied area, (c) Feasibility Study Report, (d) Latest Audited Accounts report/financing details, (e) Company Details: If a Registered Enterprise/Venture Certificate of Registration, If a Registered Company Certificate of Incorporation & Company Memorandum, (f) Environmental Certificate from the Vice President's Office-Environment, (g) Resettlement Action Plan, (h) Local Procurement Plan and Training Program.

7.5.3 Application for Primary Mining Licence (PML)

- Step 1. Applicant identifies area of interest.
- Step 2. The Applicant completes and submits a Primary Mining License Application Form and supporting documents to the Resident or Zonal Mines Officer.
- Step 3. The Resident or Zonal Mines Officer receives Application and issues an Acknowledgement Receipt to the Applicant.
- Step 4. The Zonal Mines Officer reviews the Application and issues an Offer, or Rejection Letter.
- Step 5. Successful Applicant pays prescribed Preparation Fee.
- Step 6. The Zonal Mines Officer Grants a Primary Mining Licence (PML) to the Applicant.
- Step 7. Before commencing mining operations, PML Holder prepares and submits Environmental Protection Plan (EPP).
- Step 8. The Zonal Mines Officer assesses the submitted Environmental Investigation and Social Study Report and EPP.
- Step 9. The Zonal Mines Officer approves the EPP.
- Step 10. The PML Holder must obtain Entry Permit from land owners/Local Authorities and begins operations.
- (3) Supporting documents include: 3 copies each of: (a) Application Form (MRF 5), {b} Site plan, {c} Geographic Coordinates (Arc 1960 datum), {d} For individual Applicant passport size photo of Applicant, to be attached on the form, (e) For a group made up of at least 10 members passport size photo of each member and a Constitution of the group, (f) For Co-operative Society Registration Certificate, Details of Members & Regulations, {g} Registered Enterprise/Venture (which has mining listed as part of its core business) Certificate of Registration, (h) Registered Company Certificate of Incorporation, Company memorandum and articles of association. (which has mining listed as part of its core business).

7.5.4 Application for License To Deal In Minerals

- Step 1. Applicant submits Application to Zonal Mines Officer together with supporting documents.[4].
- Step 2. The Zonal Mineral Trade Officer inspects Applicant's business premises.
- Step 3. The Zonal Mineral Trade Officer reviews the Application to determine Applicant's capability/suitability to undertake the project.
- Step 4. Recommendation to the Zonal Mines Officer by the Zonal Mineral Trade Officer.
- Step 5. The Zonal Mines Officer grants the Dealer Licence to Applicant, or sends a Rejection Letter.
- (4) Supporting documents include: 2 copies each of: (a) Certificate of Incorporation, (b) Memorandum and Articles of Association, (c) Latest Audited Accounts, (d) Evidence of Financial Capabilities, (e) Estimate of amount of money proposed to be spent, (f) Tax Clearance Certificate, (g) Particulars of the Applicant's proposal with respect to the employment and training of Tanzanians, (h) Curriculum Vitae of key/technical staff, (i) Particulars of Machinery and Equipment available for project, (j) Particulars of other capital items available for the project, (k) Proof of payment of consideration fee.



Contacts

Permanent Secretary,
Ministry of Energy and Minerals,

5 Samora Machel Avenue, P.O. Box 2000.

11474 Dar es Salaam, TANZANIA.

Tel: +255 22 2112793 Fax: +255 22 2111749

Email: ps@mem.go.tz Website: www.mem.go.tz



Managing Director,
State Mining Corporation (STAMICO),

Plot No: 417/418 United Nations Road, P.O. Box 4958, Dar es Salaam, TANZANIA Tel: +255 22 2150029 | Fax: +255 22 2153519

E-mail: info@stamico.co.tz Website: www.stamico.co.tz



Commissioner for Minerals,
Ministry of Energy and Minerals,
5 Samora Machel Avenue,
P.O. Box 2000,
11474 Dar es Salaam, TANZANIA.
Tel:/Fax: +255 22 2113742
Email: cm@mem.go.tz
Website: www.mem.go.tz



Chief Executive Officer,

Geological Survey of Tanzania (GST),
P.O. Box 903, Dodoma, TANZANIA
Tel:/Fax: +255 26 2323020
Email: madini_do@gst.go.tz
Website: www.gst.go.tz

Chief Executive Officer,
Tanzania Investment Centre (TIC),

Shaaban Robert Street

P.O. Box 938, Dar es Salaam, TANZANIA.

P.O. Box 938. Dar es Salaam

Tel: +255 22 2116328 - 32 | Fax: +255 22 2118253

Email: information@tic.co.tz
Website: www.tic.co.tz



Everyone else is here, why not You?

Some of multinational exploration and mining companies operating in Tanzania include:





















HELIO RESOURCE CORP.





















