Some Equipment Available in the Lab

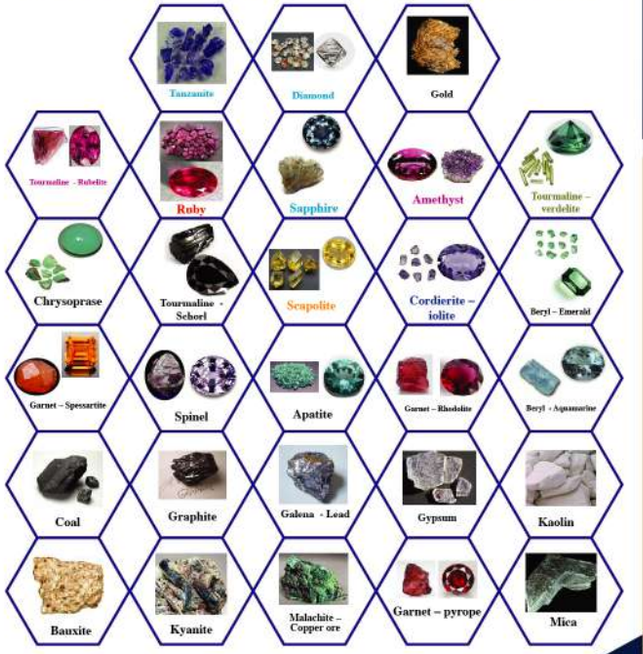
Some of the equipment available include X-Ray Radiation Machines (XRF), ICP-OES, GFAA, CS-Analyzer, Uv-Vis Spectrometers to mention but a few.

Our Stakeholders

Some of GST's main stakeholders include:-

- Government;
- Mineral Exploration Companies/Individuals;
- Miners;
- Stakeholders in the Construction and Water Sectors;
- Leaning and Research Institutions;
- Development Partners; and
- General Public.

SOME OF MINERALS FOUND IN TANZANIA



For More Information Kindly Contact
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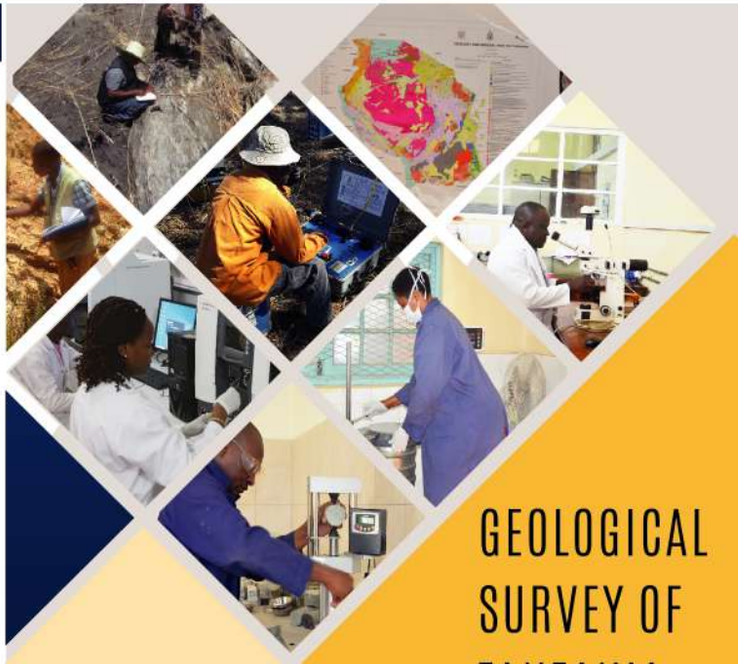

GEOLOGICAL SURVEY OF TANZANIA (GST)

GEOLOGICAL SURVEY OF TANZANIA
GST

GST PROFILE

About GST

The Geological Survey of Tanzania (GST) is a Government Institution under the Ministry of Minerals responsible for acquiring, processing, interpreting, archiving and disseminating national geo-scientific data to various stakeholders for the purpose of promoting and attracting investment in different sector especially mining. Being the oldest best geo-scientific organization in East and Central Africa, GST has been providing geo-scientific services since 1925.

As the custodian of the national geo-scientific data and information collected over the past 90 years, the institution has all it takes to solve geo-scientific problems. The data and information at our disposal include geo-scientific maps and reports, countrywide low resolution airborne geophysical data and high resolution for some parts of the country; and geochemical data for some selected areas. GST hosts a core library with drill cores collected across the country and a national geological Museum with various minerals, fossils and rock samples.

Mineral exploration firms, miners, construction and water drilling companies and other related earth resource stakeholders need not to survey the country's vast land but they are encouraged to consult (at a one stop geo-scientific centre) the Geological Survey of Tanzania for guidance. The GST's offices are centered in the capital town of Tanzania – Dodoma.

Vision

To be a leading organization in providing reliable geoscientific data and information for sustainable economic development

Mission

To provide reliable geoscientific data and information to the Government and other stakeholders through research and consultancy by utilizing skilled manpower and modern equipment on identification of mineral resources potential and mitigation measures of geo hazards in order to contribute to the economic development

Some of the Main Functions of GST

i. To collect, process, interpret and archive various geo-data and information (geological, geophysical, geochemical, and mineral occurrence) essential in creating a better understanding of the mineral resources potential of the country and their prospecting criteria;

ii. To provide geo-scientific laboratory services to the stakeholders (geo-chemical,petrographic, geo-physical and geo-technical analysis of rocks, minerals, soils, water and plants samples);

iii. To monitor and manage natural geo-hazards (earthquakes, volcanoes, landslides, mining effects, and pollution and waste disposal) and advice on their mitigation measures;

iv. To conduct geo-technical studies to develop mechanical strength of rock masses; to establish soil and bed-rocks characteristics that are supporting foundations of civil structures; to assess quality of rock aggregates; and to provide advice on land use planning, construction and mining industry;

v. To assess the net mineral resources potential of areas through detailed review of exploration reports and establish their authenticity and advice the government accordingly prior to mining in order to optimize use of the net mineral resources available in an area;

vi. To provide extension and consultancy services to various stakeholders in the field of mineral exploration, mining and processing; and

vii. To promote investment in mining industry through dissemination of geo-data, information and maps to the stakeholders nationally and internationally.

Human Resource and Equipment:

GST is equipped with a proactive and experienced team of geoscientists versed in various disciplines of geosciences. The GST has the modern mineral exploration equipment including among others Magnetometer, Induced Polarization Machine (IP), TEM gravimeter, scintilometer and Bore hole logger In presence of well trained and experienced experts and modern state of art working facilities, the GST is positioned to provide quality geoscientific solutions to investors and the general public particularly in the field of mineral explorations and resource estimation, geo laboratory analysis, geotechnical investigations, geo hazards management and geosicntific data interpretations.

GST Geo-Laboratory- ISO/IECB 17025: ACCREDITED

Founded more than 90 years ago, is the Eat and Central Africa's leading Mineral Laboratory serving Mineral and Construction Industry. The lab is known for its responsiveness to customer needs, state-of-art analytical equipment, accurate results from accredited methods, competitive price and flexibility in its approach. The lab has a mix of talented and experienced scientists and support staff which has created both customer loyalty and sustainable growth. The GST lab has four interdependent sub section laboratories which are Mineral Processing laboratory, Chemical Laboratory, Geotechnical laboratory, Environmental laboratory and Petrology/Mineralogy laboratory. Some of services provided by the GST lab include sample preparation for geological and geochemical materials; metallurgical tests for efficient metal extraction; petrophysical studies; geotechnical tests of rocks and soils for construction projects and mining applications; elemental analysis (cations) for geological, geochemical and environmental samples; and analysis of Anions for water, rocks and soil samples.