Identification of Gold Prospect Zones, Ash Shamaliyah, Sudan

The study involved categorizing the mineral rich zones into high, moderate and low probability areas. Key activities included geological and structural mapping, pitting & trenching, geochemical studies, integration of geochemical results with geological & structural data and identification of drilling locations. The study helped prioritize 3 blocks within the project area with indicated potential of gold occurrence.

RMSI DIFFERENTIATORS

RMSI draws on its extensive skills, vast resource base, and considerable know-how to manage large, complex projects for clients with different business challenges. Our value proposition includes:

- End to end integrated solutions
- Unique ability to bridge the gap between domain knowledge and technical expertise
- In house domain experts in geology, remote sensing, and geospatial technologies
- Availability of multiple skill sets under one roof – geologists, geophysicists, mining and GIS experts
- Unique delivery methodology ensuring high accuracy at competitive costs
- Flexibility to scale up for large scale projects
- Dedicated pool of internationally reputed domain consultants and local business partners

RMSI’s MINERAL EXPERIENCE IN AFRICA

Botswana | DRCongo | Chad | Guinea | Kenya | Malawi | Mauritius | Mozambique | Namibia | Nigeria | Rwanda | South Africa | Sudan | Tanzania | Uganda | Zambia | Zimbabwe

“...The service your company provides is of highest quality and performance. Your teams steadfast nature compliments Jindal’s eagerness to execute projects and together with your technical and consulting solutions and our vigorous nature we make a formidable team.

We see our partnership being a long term, successful one!”

Ambika Prasad Samantaray
Head-Geology (Mineral exploration)
Jindal Africa Investments (Pty) Ltd

Mineral Exploration & Consulting Services

The growing global energy need, rapid infrastructure development and environmental concerns have renewed the focus on better utilization and responsible exploration of natural resources.

This has in turn led to an increased adoption of advanced tools and technologies such as remote sensing, advanced geophysical surveys and ore body modeling for mineral exploration and mine planning/development.
Adding Value: From Mapping to Mining

We Are Africa's Leading Mineral Exploration & Resource Development Consultancy

RMSI provides technical and consulting solutions to companies involved in mineral exploration and mining. Our solutions span all phases of the exploration lifecycle—from mapping, surveys, resource estimation & reporting, to geological data management.

We adopt a unique hybrid model to ensure we exceed stakeholder expectations with respect to quality, cost, timelines and service. As part of our engagement model, the on-site operations are undertaken by our local experts, and the core mapping and interpretation activities are undertaken at our state-of-the-art global research center in India. The center has a dedicated team of expert geologists, geophysicists and earth scientists that bring forth domain expertise and technological innovation to each project.

Our projects are delivered in a short turnaround time, adhering to global quality and industry compliance standards, hence, providing a cost-competitive advantage to all our clients.

RMSI SOLUTIONS

Consultancy Services

RMSI provides consultancy services to design exploration programs and conduct due diligence studies to access project viability for ferrous, non-ferrous, base & precious minerals in African and Asian countries.

RMSI offerings include:
- Exploration program design
- Exploration project management
- Asset due diligence
- feasibility reporting
- Resource reporting (as per global standards)
- Market assessment studies

Mapping and Survey

Mapping and survey are critical components of a mineral exploration program. RMSI offers a wide range of mapping and survey solutions supported by our in-house survey equipment and trained experts.

RMSI offerings include:
- Geological mapping (field/satellite based)
- Geophysical survey - magnetic, IP/resistivity, electromagnetic, and radiometric
- Geochemical sampling
- Target prioritization and drilling plans
- Resource and reserve estimation

RMSI MINERAL EXPERIENCE

Ferrous
- Iron Ore
- Manganese
- Chromite
- Titanium

Non-Ferrous
- Limestone
- Bauxite
- Rock Phosphate
- Coal

Base & Precious Minerals
- Base Metal (Pb, Zn, Cu)
- Gold
- Diamond
- Uranium

Hydrocarbons
- Petroleum
- Natural Gas
- Coal Bed Methane
- Shale Gas

SUCCESS STORIES

Inferred Coal Resource Estimation, Tete Province, Mozambique

Geological and high resolution ground magnetic studies were carried out to delineate prioritized zones for exploratory core drilling in the tenement area. Detailed geological field data and high resolution magnetic database was created and used to understand basinal configuration & sub-surface structures. A focused drilling program was carried out as per the proposed plan followed by logging, sampling and analysis.

The study helped estimate the inferred coal resource in the block in compliance with JORC standards.

Turnkey Exploration Services

RMSI offers turnkey exploration services from due diligence to resource estimation and reporting.

RMSI’s team of experts design exploration plans, assist clients in resource mobilization and provide all round technical support during the life cycle of an exploration project.

RMSI offerings include:
- Data compilation, review and analysis
- Site inspection and recommendation
- Exploration program- design, budgeting and scheduling
- Planning & mobilization of resources
- Drilling plan, design & analysis of drill hole data
- Resource modeling and estimation (JORC/SAMREC/UNFC standards)
- Reporting and recommendation

Geological Data Management

RMSI provides specialized solutions for geological data management at every stage of the project lifecycle, from prospecting and exploration to mining. Our integrated databases are further supported by customized software tools to facilitate advanced analysis and interpretation of mineral prospects. This helps in improved interpretation of existing data leading to cost control and efficiency in exploration.

RMSI has proven experience in defining Mineral Resource Corridors through advanced analysis of existing geological and prospects. RMSI offerings include:
- User need assessment
- Data extraction and cataloguing
- Data migration and validation
- Database audit and implementation
- Training and maintenance

RMSI executed a greenfield project for us in an extremely remote location in Mozambique. The team successfully conducted the orientation reconnaissance sampling and remote sensing studies, on schedule and in a cost effective manner. Our on-site personnel were consistently impressed with RMSI’s professional and highly skilled team.

We look forward to engaging with RMSI for future projects.

Dale Richards
SVP, Business Development
Gold One International Limited