

Job Description

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| 1. Job Title: DGM Exploration Geologist | Job No: |
| Direct supervisor: | Department: |
| 2. Job Purpose | |
| In this role, the Exploration Geologist, with 15-20 years of experience (15 years in mineral exploration and evaluation of ore deposits) is integral to the identification and evaluation of mineral resources for open-pit mining operations and familiarity with remote sensing. Responsibilities include conducting geological surveys, data analysis, and delivering strategic insights to inform project decisions. Expertise in exploration planning, resource estimation, environmental compliance, and risk management is essential, contributing significantly to the success of mining projects. | |
| 3. Dimensions | |
| Operating Budget: | No. of Staff: |
| Capital Expenditure: | Others: |
| 4. Key Result Areas (Key Accountabilities) | |
| i. Proven 15 to 20 years of Experience as an Exploration Geologist in an open pit mining Mine | |
| ii. Geology Audit: Conduct geological mapping and sampling as needed to provide practical guidance on grade control and structural / ground control conditions to the site Operations Team. This information will feed the new Resource Block | |
| iii. Models. Analyzing geological data to determine the location of valuable minerals and natural resources | |
| iv. Identify mine ore grade quality and ore recovery issues related to geology: help develop practical mining improvements through collaboration with site Operations and Mine Planning personnel | |
| v. Technically adept and possess a strong aptitude for geologic block modelling, ore reserve calculation, mine exploration, drilling operations, grade control, geologic/structural mapping and mining methods. The role requires focused attention to detail and superior observational skills. | |
| vi. Experience using geology software (e.g. ArcGIS, Rockware, Surpac) and other data and modelling tools (e.g. Adobe Illustrator, GoCAD) | |
| vii. Provide vision and leadership to develop long & short term New Business Development Strategies for entering in to economically viable new business ventures to enhance the company profitability and prestige. | |
| viii. Conceptualization of new business projects, preparation of pre-feasibility studies and reporting the proposed project to Management for ratification and onward to the Board of Management for fund allocation. <i>(Being one of the team member)</i> | |

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| ix. | Review, analyze, and collate projects risk, analyze current market/industry trends for formulation of strategies also Identify opportunities to attain business efficiency to reduce operational costs and bottlenecks. <i>(Being one of the team member)</i> |
| x. | Relationship Management with Internal & External Stake holders (Functional departments, Consultants, Government Agencies etc) and other counties - to ensure synergy. |
| xi. | Stay abreast of current and emerging technical and professional trends, change accordingly |
| xii. | Provide appropriate advice and assurance at all level for effective compliance of all SOPs, HSE procedures, management guidelines, Legal requirements etc |
| xiii. | Strong networking in the mineral business: Copper, gold, silver, tellurium, palladium, selenium, iron, lead zinc, Sulphur, marble, limestone etc. Should have expertise on technical report writing. Summary: Experience (15 years in mineral exploration and evaluation of ore deposits) in geological mapping, prospecting, sampling, map digitization, hole drill logging, and the generation of exploration targets. Proficiency in initiating, leading, coordinating, and reviewing scoping, pre-feasibility, and feasibility studies. Familiarity with remote sensing and various geological software programs, including data collection, mapping, analysis, geological modeling, and resource estimation. |
| 5. Job Context: | |
| <p>The job holder has to:</p> <p>Leverage Extensive Expertise: Apply their experience to lead and manage geological exploration efforts effectively.</p> <p>Conduct Comprehensive Geological Surveys: Undertake fieldwork, including drilling programs, core sample collection, and rock formation mapping.</p> <p>Analyze Data: Assess geological data and assay results to gain insights into mineral resources and geological characteristics.</p> <p>Plan Exploration Activities: Develop exploration strategies, including budgeting, resource allocation, and timeline management.</p> <p>Estimate Mineral Resources: Utilize geological models to estimate ore reserves, contributing to project feasibility assessments.</p> <p>Ensure Environmental Compliance: Collaborate with environmental experts to ensure exploration activities align with environmental regulations and minimize ecological impact.</p> <p>Manage Risks: Identify and address geological and technical risks associated with mining projects.</p> <p>Mentor Junior Geologists: Share knowledge and experience to support the development of junior team members.</p> | |

Collaborate Cross-Functionally: Work closely with multidisciplinary teams to align exploration efforts with broader project goals.

Contribute to Strategic Planning: Provide valuable insights into long-term strategic planning and the optimization of mining operations.

Ensure Safety Standards: Uphold safety standards and regulatory compliance in all exploration activities.

6. Communications and Working Relationships:

Job holder needs to liaison with other members of the Leadership team to develop and propose initiatives to enhance efficiency. Provide support to departments during execution of projects.

7. Problem Solving, Latitude Exercised, Decision Making Authority and Responsibility:

Identifies and understand issues, problem and opportunities, develop and evaluates alternatives and solutions. Make key decisions and oversee its execution. Assume responsibility for the assigned objectives and its achievement. Decision making is as per SOPs, Policies and Procedures.

8. Additional Comments:

9. Approval:

Recommended by: _____
(Reporting Manager)

Approved by: _____
(Head of Department / GM)

I have read and understood the contents of the JD

Signed by: _____
(Current Position Holder)

Date: _____

- Responsibilities outlined in this document are neither exhaustive nor conclusive and may change as per Company needs