



Expert In Geology, Enviroment & Mining



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## Contact Us



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## About Us



Since 2019, the Horizon Consultants has been a dedicated partner to the Geology, Environment and Mining Industries, delivering value through a distinctive blend of technical expertise, innovative thinking, and a solution-oriented approach. Each project we undertake has been met with positive feedback from stakeholders, a testament to our commitment to excellence.

We proudly support clients at every stage of the mining lifecycle—from geological exploration, project management, and mineral resource estimation to Environment clearance. With a deep understanding of industry challenges and dynamics, we are committed to delivering effective, high-impact solutions that maximize the value of your investment.

With our extensive experience across diverse projects, we are fully equipped to meet both international standards and local regulatory requirements with efficiency and precision.

Regardless of a project's location, stage of development, or complexity, we have the knowledge and capacity to minimize risks, enhance efficiency, and ensure successful project execution.

A key strength of our organization is our ability to take complete ownership of projects, providing end-to-end solutions and delivering reliable results within stipulated timelines.



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# Our Services

## Survey

- Geological Mapping
- Topographical Survey using DGPS and Total Station
- Demarcation of Leased out area/Proposed lease area/ Stock area using DGPS/TS
- Measurement and Assessment of Excavated Pit/Stock
- UAV/Drone based Topographical Survey as per Indian Bureau of Mines SOP



## Geo Spatial Databases & Development

- GIS Data Migration – Scanning, Digitization, Geo-rectification & Database Creation
- Data Conversion – Design drawings, Document Management
- Satellite Image Procurement, Processing & Value Addition
- LIDAR Data Acquisition and Processing



## GIS Application

- Cadastral Map Digitations & Superimposing on Satellite Data
- Mapping for Mining Activity, Regulation Zone Mapping & Area, Statistics Generation
- Land Use/Land Cover Mapping Using High Resolution Satellite Data on Different scale like 1:2000, 1:5000, 1:10,000
- Integration of Auto-Cad/Drawing in GIS Environment
- 2D & 3D Related work like Contour, Topography, Slope Area & Volume Calculation
- Image Analysis, Map/Atlas Preparation
- Field Survey using GPS



## Legal and Regulatory

- Legal and Technical guidance in Mineral Auction process for Major & Minor Minerals
- Co-ordination and Liaisoning for Mining and Policy related issues At Government level
- Legal Guidance and representation in the matter of Appeal, Revision and Court case pertaining to mineral concessions and illegal mining
- Consultation for Mining Lease, Quarry Lease, Quarry Permit, Registration under MCDR-2016, GMMCR-2017, GM(PIMTS) Rules, 2017

## Mine Planning and Closure

- Mining Plan/Review of Mining Plan
- Progressive Mine Closure Plan
- Final Mine Closure Plan
- Assessment of Closure Requirements and Reclamation Design



## Environmental and Studies

- Environmental Clearance
- Environmental and Social Impact Assessment
- Environmental Management Plan
- Environmental Compliances
- Risk Assessment



## Exploration and Technical Evaluation

- Demarcation of Geological Formation with exposures of Rock and Minerals
- Exploratory Drilling (Hydraulic Wire-line, Calyx/Rotary)
- Exploration and Drill Planning
- Core Logging and Sample Collection for Chemical and Physical Analysis
- Analysis of Samples at our In-house NABL accredited laboratory
- Estimation and Categorization of Mineral Reserves and Resources
- Resource Modelling
- Preparation of Geological Report
- Pre-Feasibility Studies with Evaluation of Assets.
- Bankable Feasibility Report
- Equipment selection for Mining Operation



## Other Services

- NOC/CCA, filling of Monthly return on XZN portal of GPCB
- NOC of CGWB
- Annual Monitoring Contract for leases