

MATS is formed with a prime objective to provide total mining solutions from A to Z in the field of Mine Planning, Development, Construction, Operation and Closure of the Mines of the Entrepreneurs of Government, Public Sectors and Private Sector entities engaged in the field of Coal, Metal & Non-Metal Mining segments. In addition, the allied activities including but not limited to consultancy, due diligence, research, auction, manufacturing, education, training, publication etc. are being rendered to support and supplement the industries/ companies to achieve the milestones within the specified time limits stipulated by the Government.

RANGE

The range of consultancy and due diligence works include the services in different areas such as Mine auctioning, Geology, Mine Development, Mine Planning, Obtaining all the statutory Permits and Clearances, Hydro-geology, Environment and Forest Management, Field Topographical Survey, Allied Engineering jobs, Commercial & Financial analysis and reporting, Mine Operation, Mine Closure, Sustainability, Star Rating, report preparation etc.

MATS



MATS

Contact

+917752014832; +919437007874

Email: mats.bbbsr@gmail.com; Website:

www.matsbbbsr.com

Plot no-524, Tala Sabar Sahi, Gadakana,
Near Gadeswar High School, PO-Mancheswar,
Bhubaneswar, Odisha, PIN: 751017

**Mining and Allied Tech
Solutions**

GST No: 21ABQFM0389K1ZX

Regn No: 1820202201482

Greenfield Development

- The permits and clearances required for commencement of mine operations.
- Assessment of the additional requirements based on the site specific conditions such as nalla/road/power line/telephone line, etc. diversions, water and power availability and requirement, magazine site selection and obtaining permissions, etc

Geological Services and Field Topographical Survey:

- Identification & Assessment of Mineral Prospects.
- Preliminary Field Geological Reconnaissance Study for assessment of Minerals.
- Exploration Planning, Programming and formulation of scheme of detailed exploration.
- Geological Data Collection/Generation by way of Exploration and Evaluation of Mineral Deposits (Coal and Non-coal).
- Geological Report Formulation.
- Assistance to Geological Complexities in the on-going mines /projects.
- Geo-Technical Services: Specialised Services for Engineering Geology/Rock Mechanics/Surface topographical survey, measurement of reduced levels and ground contouring, mapping of mineral properties, Geological & Geophysical survey for Coal, Iron, Manganese, Chromite, Bauxite deposits, etc.
- Drone Survey, DGPS, total station and contouring in all types of terrains, etc.

Mine Planning and Design

- Mine Capacity Assessment.
- Selection of Mining Equipment and Machineries.
- Mine Planning & Design, Preparation of Mining Plan & Mine Closure Plans for Opencast Coal, Metal and Non-Metal Mines.
- Processing and Approval of Mining Plan and Mine Closure Plans from Competent Authorities.
- Pre-Feasibility, Feasibility, Detailed Project Report (DPR) for Coal, Metal and Non-Metal Minerals.

Hydro-geological Services

- Magnetic and Resistivity Survey for Prospecting well for sub-surface water.
- Sub-surface Aquifer Study.
- Prediction of Aquifer & Water Table Characteristics.
- Exploration Planning for Hydro-Geological investigations.
- Quantitative & Qualitative Assessment of Sub-surface Water Resources.
- Assessment of make off mine water of opencast mines and Management of Zero Discharge of mine water for conservation.
- Water shed development & management.
- Rain water harvesting.

Environment Clearance (EC) Services

- Baseline Data Generation on Environmental attributes, Demography & Socio-Economic Profile.
- Preparation of Land Use and Land Cover Plan on Digital Processing of Satellite Data.
- Preparation and submission of application (Appendix, Form-I.
- Support in getting the approval of ToR.
- All the studies as per the ToR.
- Preparation of EIA/EMP Report.
- Support in Public Hearing.
- Presentation before Environmental Appraisal Committee (EAC)/SEAC.
- Obtaining EC from MoEF&CC/SPCB
- EC compliance
- Environmental Monitoring
- Support in obtaining Consent to Establish (CTE) and Consent To Operate(CTO) from SPCB

Forest Management Services:

- Preparation of Forest Land Application Proposal Part-I as per the Forest Conservation Act, 1980 for Forest Clearance (FC) from MoEF&CC.
- Study of Flora and Fauna. Preparation and approval of Site Specific Wild Life Conservation Plan.
- Support in Part-II, III, IV and V compliance.
- Presentation before the FAC of MoEF&CC.
- Obtaining approval of Stage-I Clearance.
- Compliance of Stage-I conditions.
- Approval of Stage-II.

Land Acquisition, Mining & Surface rights and other support services:

- Detailed land schedule preparation and Land Acquisitions under the RFCTLARR Act, 2013/CBA (A&D) Act, 1957, Alienation of Government Land.
- CSR, R&R and EHS studies and support.
- Mineral Concessions (RP/PL/ML) under MMDR Act and Rules thereunder.
- Liaison with various Government, Public & Private Sector Organisations.
- Allocation of Mines:
 - Identification most suitable mine.
 - Survey of mine.
 - Support in filing application to Ministry/Department.
 - Support in allocation of the mine.

Financial Services

- Detailed Project Costing & Financial Structuring.
- Risk Analysis Study.
- Macro and Micro Analysis of Project Viability.
- Equipment Appreciation and Depreciation.

Mining & Allied Tech Solutions

- Heavy Earth Moving Machinery (HEMM) Workshop Design.
- Coal Preparation and Coal Handling Plant (CHP) Design.
- Design and Layout of Civil Infrastructure, Design (Township, Water Works Distribution, Domestic Effluent Plant) etc.
- Washery Design and Implementation of modern washability Methods.
- In-Pit Crushing and Conveying (IPCC) System
- High Angle Belt Conveying System in O/C Mines.
- Energy Efficiency Study (Electrical & Diesel Equipment) of Mines and International Bench Marking of the Mining Activities.
- Consultancy on "Energy Sensitive Organisational Structure".
- All mine specific software development and IT enabled services.
- GPS enabled monitoring mechanism.
- Conducting energy sensitive workshop and training with national and international experts.