



# LSI Engineering Consultants Limited

Mining & Metals Business Unit



Creating Value,  
Partners in Growth

*Our group  
companies*

LSI Financial Services Private Limited  
LSI Resolution Private Limited  
Resolute Valuers & Consultants Private  
Limited



# LSI Group

## A Brief Overview

### LSI Financial Services Limited

- Established in 1997
- Category 1 Merchant Banker
- Providing variety of Financial Services

### LSI Resolutions Pvt Ltd

- Established in 2017
- Offers a spectrum of services related to Insolvency & Bankruptcy
- Restructuring of Debt

### Resolute Valuers & Consultants Pvt Ltd.

- Established in 2019
- Provide services related to Valuation Appraisals
- Had participated in Government of India disinvestment projects

### LSI Engineering & Consultants Ltd.

- Established in 2015
- Provides Engineering & Project Management Services
- Provide LIE, TEV & ASM services

### Key Personnel

#### Raj Kajaria

*Founder & Managing Director*

#### Advisory Panel

##### Pratip Chaudhari,

*Former Chairman, SBI & DMD – SBI International Division*

##### Partha S Bhattacharya,

*Former Chairman, Coal India*

##### S K Sinha,

*Former, Executive Director, Power Grid Corporation*

##### V K Shrivastava,

*Former Managing Director, Steel Authority of India Limited*

#### Directors

**Asim Tiwari**

**VS Modi**

**AN Dhar**

**Anshuman Nathany**

**B D Agarwal**

**Debasis Bhattacharya**

**Praveen Mishra**

**Rohit Jain**

### Key Sectors/ Markets

- Infrastructure
- Energy & Power
- Metals & Mining
- Automobile
- Hospitality
- Chemicals



# About Us

## *LSI Engineering & Consultants Ltd*

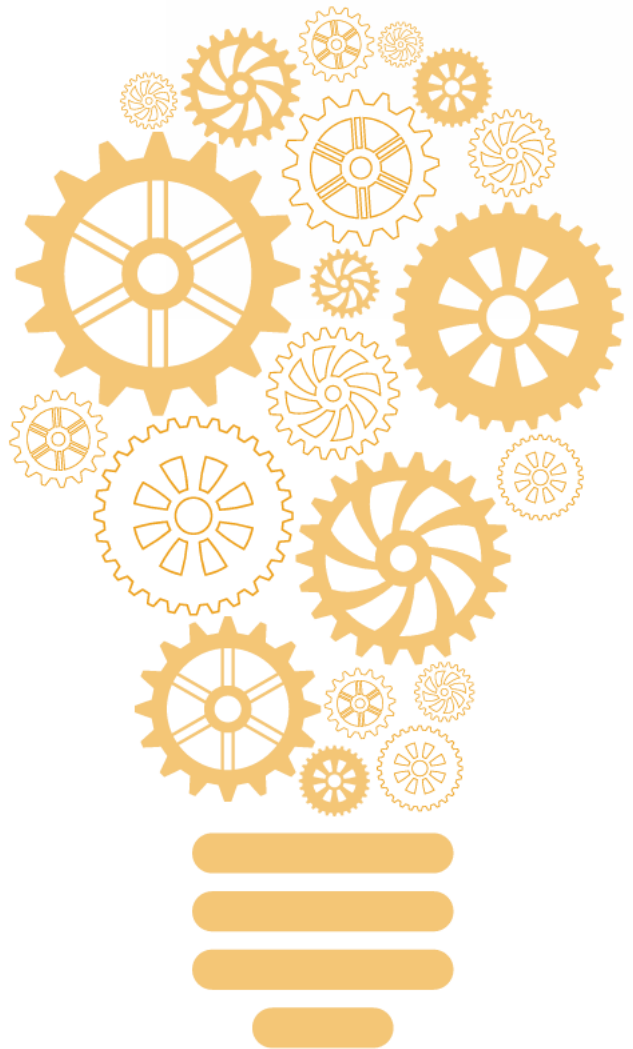
A group of **Passionate, High Quality & Seasoned infrastructure development professionals** had partnered with LSI Group to establish LSI Engineering & Consultants Limited in 2015. It further expanded to Mining & Metals sector in 2023.

LSI Engineering & Consultants Limited has, in a very short period of time, **build a strong pan India presence for clients like NHA, MoRTH, leading Banks & Financial Institutions, Vedanta, Adani, Shree Cement & other mining companies.**

LSI Engineering & Consultants Limited has a **strong team of experienced Engineers & Business Advisors** having **domain knowledge in various sectors.**

The company is registered with Indian Bank Association (IBA) as an **Agency for Specialized Monitoring (ASM) and is handling project monitoring, cash monitoring etc.** for various industries on behalf of esteemed financial institutions of the country.

LSI Engineering & Consultants Limited has, in a very short period of time, build a **strong pan India presence.**





# About Us

## *Mining & Metals Business Unit*

During its **25+ years in the industry**, LSI served several **mining sector clients** in the capacity of a financial consultant. Further, in a bid to expand our Engineering & Consultants practise we have begun providing **core business & technical services** to mining & metals sector companies.

Within a short period our Mining & Metals business unit has **forged partnerships** with several mining technical & digital service providers to offers **end to end solutioning** for client problems.

We have built a team of **highly talented & experienced people** coming from both the industry & consulting domain. This team augmented by the expertise of our partners we bring forward an **unparalleled understanding of the mining & metals industry**.

Our Mining & Metals business unit offers a gamut of services ranging from **Process & Operational Improvement, Skill Training, Project management, Technical consulting, Digitalization, Cost optimization, Transaction Advisory, Bid Advisory, Auction Support, Bid Process Management, Pre-Feasibility Study, Techno-economic feasibility study, Financial Modelling, Mine electrification & so on.**



Leadership and learning are indispensable to each other.

John F. Kennedy

## Key Personnel

### Advisory Panel



**Partha S Bhattacharya**

*Former Chairman, Coal India Ltd, steered the company thru Miniratna (2007), Navratna (2008) & finally Maharatna (2011) - the fastest ascendency for any PSU so far. Spearheaded the historic 10% stake sale of CIL thru IPO.*



**Dr. K.K Moza**

*Former Vice Chairman of IGS, Former Member of CBIP, 45 years of experience in Tunnelling and Geotechnology*



**Durga prasad Duvvuri**

*Institutional and organizational expert for Policy Formulation to various private and public sector corporates. State Governments & Government of India with 40 years of experience. World Bank Consultant - Organizational, institutional & Policy Framework Consultant to Human Resource Ministry for Civil Services*



**S.S Momin**

*Former Advisor to Ministry of Road Transport & Highways. Former Secretary, Maharashtra (PWD); Former Joint Managing Director, MSRDC, force behind Mumbai Pune Expressway.*

### Leadership



**Raj Kajaria**

*Founder of LSI, Promoter & MD. Mr. Raj established LSI financial services in 1997 with a vision to provide services relating to Corporate Finance Advisory, Project Finance Advisory, Techno-Economic Feasibility Study, Asset & Equity Valuation, Project Management Consultancy and other peripheral services.*



**Praveen Kumar Mishra**

*Joint MD, LSI E&C M&M. Former Director of PwC India's Mining & Metals team. Overall, 2 decades of work experience practicing mining & geology both as an engineer and a consultant. Expertise in Transaction Advisory, Bid Advisory, Auction Support, Bid Process Management, Pre-Feasibility Study, Techno-economic feasibility study, Financial Modelling, Project management, Technical consulting, digitalization, cost optimization, blue collar skilling*



**Arnab Majumder**

*Vice President, LSI E&C M&M. Former Manager of PwC India's Mining & Metals team. Overall 14+ years of work experience with multinational companies PwC India, SRK Consulting & Rio Tinto. Expertise in Transaction Advisory, Bid Advisory, Auction Support, Bid Process Management, Mining Consultancy, Geological Modelling, Mine Planning, Process Optimization and Procurement*



Over two decades of its Pan India presence, LSI has metamorphosed into a knowledge driven entity with expertise across sectors.



Key Markets

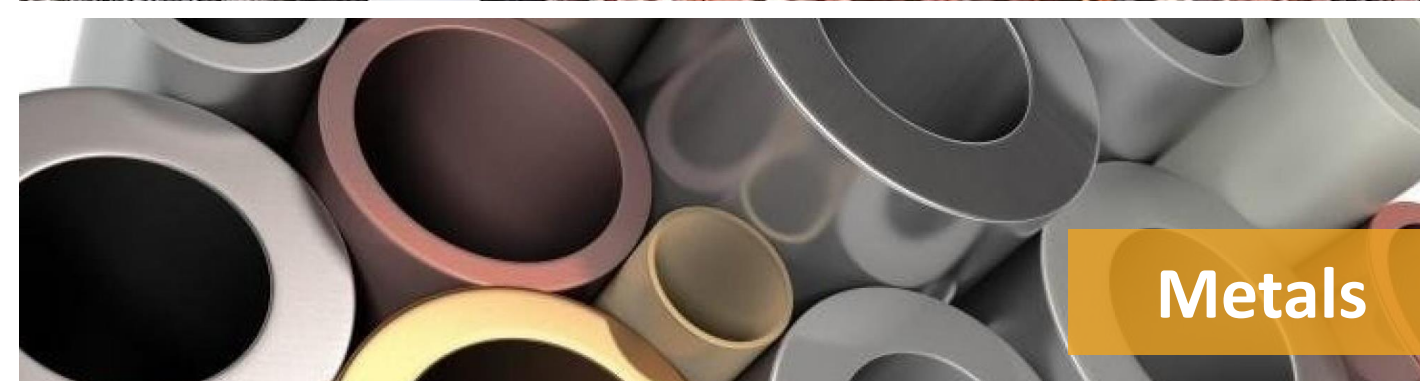
*MINING & METALS*



Coal



Critical Minerals



Metals



# Our Key Specialisations



## ***Operational and Process Improvement***

Formulating solutions for operational & performance Improvement of the Mining & Mineral processing process.

- Review operational & industrial process
- Gap analysis
- As-is To-be Study
- OEE Analysis & Performance study
- Review Operational SOPs
- Process capability and quality control plan
- Implementation of Short Interval Control Plan
- Implementing best practices of Six Sigma, Lean Manufacturing, TPM & TQM
- Implementing Asset Lifecycle Management & CBM & Predictive Maintenance practices
- Fleet Management System
- Operational Dashboard preparation
- Stockpile management system
- Dispatch management system
- Digital Operationalization



## ***Skill Training (Blue Collar Jobs)***

Identifying the gap in blue collar skills and evaluating the training framework with implementation plan and on-ground activities.

Our services include:

- Evaluate the current skill and capabilities and form a skill matrix
- Skill assessment exercise, and finding the skill gap of blue and brown collar workers
- Training need identification and formulating a training matrix
- Training in Industry & transporting machinery operations.
- Enabling the use of digital new age equipment.
- Performance & safety improvement training
- Overall change management.



# Key Services



Mine Operationalization



Technical Consulting & DPRs



Digital Enablement

## Mine Operationalization:

End to end project implementation for commercial coal miners both open pit and underground in India - includes MDO operators.

We support our clients throughout the mine operationalization phase with various activities:

1. Exploration, feasibility and planning.
2. Statutory approvals.
3. Bid process management.
4. Procurement management.
5. Risk mitigation, project monitoring.
6. & several other services.

## Technical Consulting & DPRs

Geology, Mine Plan, Optimization and other technical works including preparation of DPRs for the mine with our technical partners.

1. Our services include:
2. Data accumulation & validation.
3. Market Research.
4. Geological interpretation & mine planning.
5. Mine optimization & push back creation.
6. ESG strategy & implementation.
7. Skill & people requirement planning
8. Project Feasibility.

## Digital Enablement:

Digital strategy and implementation works with partner ecosystem for different mines including technology like AI/ML, Drone and so on.

We offer integrated mine management system, mine dispatch management system, conveyor belt management system, drone analytics, & global/domestic benchmarking services.





# Key Services



Transaction Advisory



Bid Process Management



Bid & Auction support

## Transaction Advisory:

Transaction Advisory for all the leading PSUs, State DGMs & State PSUs. We support our clients throughout the Transaction advisory phase with various activities:

1. Techno-Commercial Due Diligence
2. Financial Modelling & Valuation.
3. Risk assessment.
4. Synergy Analysis.
5. Transaction Structuring.
6. Contract Negotiation.
7. Post-Transaction Integration

## Bid Process Management:


Management of entire Bid Process, from preparation of Tender documents and conducting of Bid Process. Our services include:

1. Pre-Feasibility Study.
2. Techno-Commercial Feasibility study.
3. Market Sounding Exercise.
4. Expression of Interest.
5. Tender Documents (NIT, RFI, RFP, RFQ).
6. Bid Management.
7. Bid evaluation.
8. Agreement formation.

## Bid & Auction Support:

We offer Bid and Auction support to our clients participating in Bid or Auction process. We help clients in Market Assessment, Due Diligence, Financial Modelling, Feasibility and Viability study.

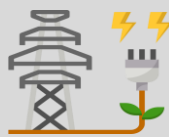
We support our Clients in Stakeholder Communications, Negotiations, Bid Documents, Contract agreements and Procurement.



# Key Services



Cost Optimization + HR/Finance Services



Greening Operations (Electrification)

## **Cost Optimization + HR/Finance Services**

Formulating solutions for optimizing overall costs, and enabling zero waste mines in India.

Our services include:

1. Operational efficiency enhancement.
2. Cost Optimization.
3. Digital Transformation.
4. Benchmarking practices.
5. Circular economy strategy.
6. Organizational restructuring.

## **Greening Operations (Electrification)**

Bringing the wave of electrification in mining industry for the purpose of greening the mine operations.

Our services include: Renewable energy (powering mining operations, offices, communities & townships), Moving equipment electrification.

# Key Partners & Clients

*Clients: A Bond of Trust*

## Coal Sector



## Iron & Steel Sector



## Minerals & Consultancy





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