



**The Indian Institute of Metals**  
(Mumbai Chapter)  
*(Incorporating Bombay Metallurgical Society)*

**IIM Mumbai Chapter Executive Committee cordially invites you  
to  
Evening Lecture on  
RARE EARTHS – RESOURCES, APPLICATIONS &  
DEMAND - SUPPLY SCENARIO**

By

**Shri Deependra Singh**

**Chairman & Managing Director, Indian Rare Earths Limited**

**Multipurpose Hall, Training School Hostel & BARC Guest House  
Anushaktinagar, Mumbai 400094  
Friday, November 30, 2018; 18:00 h**



**(All interested in the topic are welcome to attend and join us for Tea )**

# Shri Deependra Singh

- **Chairman and Managing Director of Indian Rare Earths Ltd (IREL)**
- Earlier, served as Director (Marketing) in IREL for about over 5 years
- Holds a **Master's degree in Technology with specialisation in Industrial Design and Marketing Management**
- Rich and varied experience spanning over more than 3 decades in various industrial fields
- A **qualified Lead assessor of NABL ISO/IEC/17025** and Lead auditor of ISO 9001:2008 quality management system
- Association in various projects under **World Bank, OPEC and Asian Development Bank** including prestigious projects of Central Govt. and UNIDO fellowship
- Recipient of several Awards including Public Sector Enterprises Excellence Award 2016 for corporate governance, IREL **SCOPE award** for “Excellence and Outstanding contribution to the Public Sector Management – Special Institutional (Turnaround) category 2016-17”
- Credited with over **65 presentations** in international mineral and other conferences
- **President of the Rare Earths Association of India, Chairman of Processed Mineral Panel of CAPEXIL, Member of the Executive Board, Standing Committee on Public Sector (SCOPE) for 2017-19 and member of Managing Committee of Federation of Indian Mineral Industries (FIMI) and other prestigious industrial associations.**

# **RARE EARTHS – RESOURCES, APPLICATIONS & DEMAND - SUPPLY SCENARIO**

**Rare Earths came to eminence when China, that had strategically developed the entire value chain, decided to restrict the supply by implementing export quotas and restricting supply in 2010 by 40%. This fueled many folds increase in prices of rare earths and the world woke up to the strategic and critical importance of the rare earths.**

**As on date, China which has about 40% of world's rare earth resources, supplies about 80% of the world requirement of rare earths. Against this, India's reserves are of the order of around 6%. Further, while China has entire spectrum, light as well as heavy rare earths in different mineral forms, the Indian reserves have predominantly lighter fraction.**

**Rare Earths Elements (REE) have application in diverse fields like Magnets, Glass, Catalyst, Metallurgy, Phosphors, Ceramics, etc. Due to the thrust on clean and green energy, demand for rare earths is likely to increase at a faster rate. China is expected to become a net importer of rare earths. Hence, it is imperative that countries like India should become self-sufficient in the rare earths field from resources to end of the value chain products. Indian Rare Earths Limited has, in keeping with this vision, initiated steps for development of value chain through setting up of Rare Earth Park under the aegis of Department of Atomic Energy.**