

The IIM Mumbai Chapter award (2026) winners

The Indian Institute of Metals, Mumbai Chapter

gratefully acknowledges

Bhukhanvala Foundation

For sponsoring the IIM – Mumbai chapter award category

Bhukhanvala IIM MC Best Ph.D. Thesis Award

Bhukhanvala Industries Pvt. Ltd.

Advanced ceramics and composite materials manufacturing

BHUKHANVALA
INDUSTRIES PVT. LTD.
DEFENCE | NUCLEAR | AEROSPACE
Plot No. C1-453,454,455/1,437,438, G.I.D.C. Industrial Estate, Phase-II, P. O.: Kabilpore-396424 Dist. Navsari (Gujarat). INDIA

Company snapshot

- Specialist manufacturer of Boron Carbide, Silicon Carbide, Boron Nitride and other advanced ceramic products
- Integrated capability from powder processing to hot pressed / sintered components and precision machining
- Serving demanding applications in defence, nuclear, aerospace, energy and industrial wear systems

Core strengths

- In-house process development and scale-up
- Advanced ceramic forming, sintering and hot pressing
- Close dimensional control and ceramic grinding
- Long-term technical programmes with Indian and international customers

Operating philosophy

Converting materials science into reliable, repeatable manufacturing.

DEFENCE | NUCLEAR | AEROSPACE | ADVANCED INDUSTRIAL CERAMICS

Bhukhanvala IIM MC Best Ph.D. Thesis Award (2026)





Dr. Sundaresan C

THESIS TITLE:

Understanding the Oxidation Behaviour of Austenitic Stainless Steels 304HCu and Sanicro 25 in Advanced Ultra-Supercritical Steam

Indian Institute of Technology Bombay, Mumbai

Bhukhanvala IIM MC Best Ph.D. Thesis Award (2026)

Certificate of Appreciation



Dr. Namit Narasimhan Pai

THESIS TITLE:

Correlating misorientation, segregation and residual strains

Indian Institute of Technology Bombay, Mumbai

The Indian Institute of Metals, Mumbai Chapter

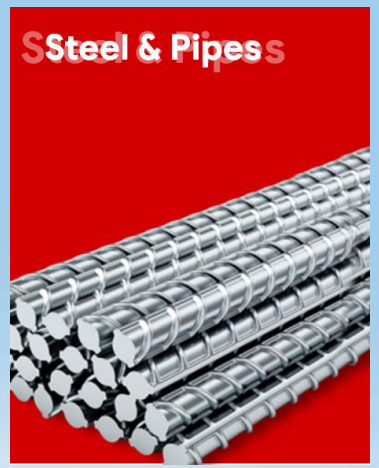
gratefully acknowledges

M/s. Electrotherm (India) Limited

For sponsoring the IIM – Mumbai chapter award category

Electrotherm IIM MC Early Age Researcher Award





ELECTROTHERM









- **Engineering & Manufacturing Excellence Since 1983** *(43+ Years of Experience)*
- **ISO 9001:2015 certified** engineering and manufacturing company headquartered in Ahmedabad, Gujarat
- Presence across 72 countries
- Pioneer in induction furnace technology in India
- **Awards**: IFEX Award, IEEMA Award, VASVIK Research Award, FIE Foundation Award





8000 supplied equipment for various applications

72 countries around the world

2500 supplied furnaces for steel alloy steel & stainless steel

1500 equipment for heat treatment applications

Electrotherm IIM MC Early Age Researcher Award





Lt Cdr Sumit K Chavan

THESIS TITLE:

Thermomechanical processing of third generation Med Mn steel by Quenching and Partitioning (Q&P) and TRIP aided Bainitic Ferrite (TBF) processes

Indian Institute of Technology Bombay, Mumbai

Electrotherm IIM MC Early Age Researcher Award

Certificate of Appreciation



Ms. Gulipalli Sandhya

THESIS TITLE:

Effect of PWHT on hydrogen embrittlement susceptibility of carbon steel grades used in H_2S service

Homi Bhabha National Institute, Mumbai

The Indian Institute of Metals, Mumbai Chapter

gratefully acknowledges

VASVIK Board

For sponsoring the IIM – Mumbai chapter award category

VASVIK IIM MC Promising Materials Scientist Award

VASVIK IIM MC Promising Materials Scientist Award





Shri Mohammad Yunus

TECHNICAL PUBLICATION:

Delineation of the reaction mechanism of Ti2AlC MAX-phase formation during spark plasma sintering synthesis

published in

Journal of the American Ceramic Society

VASVIK IIM MC Promising Materials Scientist Award

Certificate of Appreciation



Shri Voona Srikanth

TECHNICAL PUBLICATION:

Study on evolution of interface microstructure of SS304L/Zr-2.5 %Nb diffusion bonded joints processed using Ni and Ti interlayers

published in

Progress in Nuclear Energy

The Indian Institute of Metals, Mumbai Chapter

gratefully acknowledges

VASVIK Board

For sponsoring the IIM – Mumbai chapter award category

VASVIK IIM MC Promising Materials Engineer Award

VASVIK IIM MC Promising Materials Engineer Award





Shri T. Narayana Murty

TECHNICAL PUBLICATION:

Novel use of three-point bend test for determining the threshold stress for hydride reorientation in Zr-2.5%Nb pressure tube materials

published in

Journal of Nuclear Materials

VASVIK IIM MC Promising Materials Scientist Award

Certificate of Appreciation



Shri Rajendra Hodgir

TECHNICAL PUBLICATION:

Simultaneous enhancement of build rate and microstructure in SS316L additive manufacturing through in-situ laser remelting

published in

Journal of Manufacturing Processes

The Indian Institute of Metals, Mumbai Chapter

gratefully acknowledges

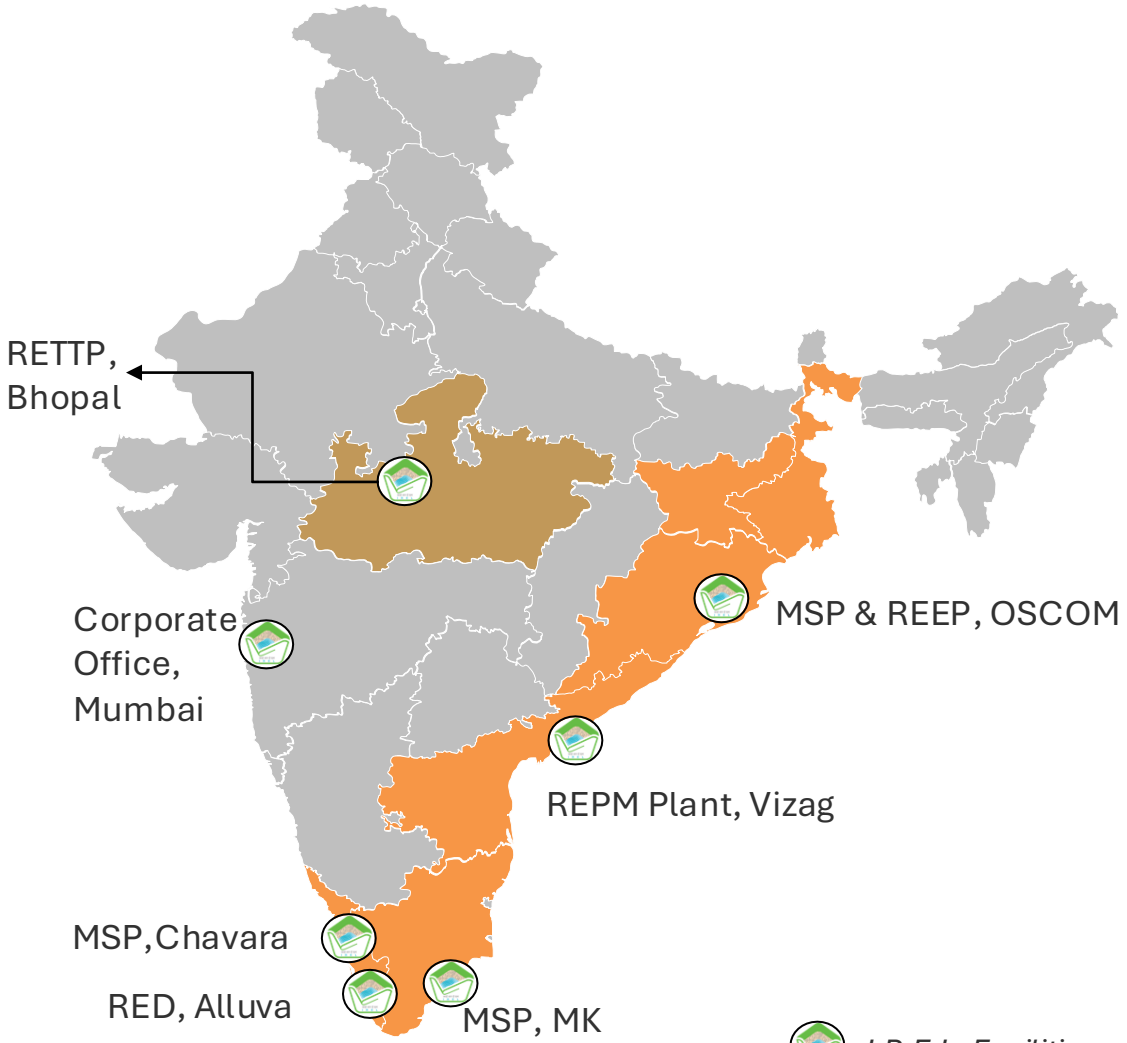
IREL (India) Limited

For sponsoring the IIM – Mumbai chapter award category

IREL IIM MC Best Practicing Engineer Award

(below 40 years of age)

About IREL



- **IREL** is a state-owned enterprise under Department of Atomic Energy, Government of India
- Mandated to produce Minerals and Rare Earths liberated from Radioactivity
- Philosophy and core values of the Company:
  - Mines to Market
  - Mines to Strategic End-use
  - Production and Supply of Rare Earths
- Contribution to Atomic Energy Programme in Strategic Value Chain

IREL IIM MC Best Practicing Engineer Award





Shri Venkannababu Thalagani

Senior Scientist, Metals & Mining

Aditya Birla Science & Technology Company Pvt Ltd.

CONTRIBUTIONS:

Expertise in computational modelling, aluminum smelting cell design, significant energy savings to smelters of Hindalco by design modifications with potential benefit of Rs. 250 Crore/annum

IREL IIM MC Best Practicing Engineer Award

Certificate of Appreciation



Shri Rachit Sarin

Senior Scientist, Metals & Mining

Aditya Birla Science & Technology Company Pvt Ltd.

CONTRIBUTIONS:

Innovations in copper/copper alloy manufacturing, improved product quality, indigenization of railway alloys supporting Atmanirbhar Bharat in railway electrification

The Indian Institute of Metals, Mumbai Chapter

gratefully acknowledges

IREL (India) Limited

For sponsoring the IIM – Mumbai chapter award category

IREL IIM MC Best Practicing Engineer Award

(above 40 years of age)

IREL IIM MC Best Practicing Engineer Award





Shri Raj Kumar

Head, Special Metal Production Section,
Uranium Extraction Division,
Bhabha Atomic Research Center

CONTRIBUTIONS:

Indigenous development of strategic rare earth and nuclear materials technologies, process development, productivity enhancement, recovery and recycling of valuable nuclear materials, radioactive waste reduction, and advanced fuel material development

IREL IIM MC Best Practicing Engineer Award

Certificate of Appreciation



Ms. Indu S. Nair

CM-Technical(Chemical)
IREL(India) Limited

CONTRIBUTIONS:

Synthesis of Rare-Earth compounds such as nano size Cerium oxide, Lanthanum phosphate, process control & R&D resulting in reduction of radium content in Lanthanum carbonate product, water and steam management system in IREL plants



Ashvini Srikumar Banerjee Award

The Indian Institute of Metals
Metallurgy Materials Engineering

The Indian Institute of Metals, Mumbai Chapter

gratefully acknowledges

M/s. Ashvini Magnets PVT. LTD.

For sponsoring the IIM – Mumbai chapter award category

Ashvini Srikumar Banerjee Award

ASHVINI GROUP → Ashvini Magnets

Engineering Invisible Forces into Powerful Solutions

\+ AREPL

ASHVINI RARE EARTH PVT LTD

Startup (Year 2020) aimed at establishing the RARE EARTH Supply Chain in INDIA

Ashvini Group (30 Years of Excellence) established in 1986 in Pune India is a pioneering force in the field of Magnets and Rare Earth Materials, with over three decades of expertise in developing high-performance magnetic solutions. The group has played a crucial role in advancing cutting-edge technologies across multiple industries, including automotive, electronics, energy, and defense.

Ashvini Magnets Pvt. Ltd. (AMPL) – A leading manufacturer of **Bonded Ferrite and Bonded Rare Earth Magnets**, supplying critical components to Automotive, FMC Manufacturers in India and overseas.

Ashvini Rare Earth Pvt. Ltd. (AREPL) – India's **First Private Rare Earth Material production facility**, focusing on **fluorides, metals, and future sintered magnet production** to strengthen domestic capabilities and provide a viable alternative to Chinese-dominated supply chains.

At the core of Ashvini Group's mission lies a strong commitment to **innovation, sustainability, and self-reliance**, aligning with India's vision of reducing dependency on foreign supply chains.



Atmanirbhar Award – REES 2023 (AREPL)



Felicitation by Rare Earth Association of India

Ashvini Magnets

Engineering Invisible Forces into Powerful Solutions

- Established in 1986 as Ashvini Enterprises.
- Registered as Ashvini Magnets Pvt Ltd in 1996.

We are committed to researching, developing, and harnessing the power of invisible magnetic forces to relentlessly drive improvements in energy efficiency.

Our focus areas include:
- Enhancing the performance of high-efficiency electric motors,
- Advancing non-contact sensing technologies,
- Optimizing HVAC and refrigeration systems through Adiabatic Demagnetisation.

Through these innovations, we contribute meaningfully to reducing global electricity consumption and lowering the carbon footprint.

AREPL

ASHVINI RARE EARTH PVT LTD

Startup (Year 2020) aimed at establishing the RARE EARTH Supply Chain in INDIA

- Established in 2020 as a startup.
- DPIIT Registration No. DIPP79375

Ashvini Rare Earth Pvt Ltd (AREPL) has been formed with a vision of establishing Rare Earth Magnet Manufacturing in INDIA using the Indian Rare Earth Resources.

AREPL along with Ashvini Magnets Pvt Ltd (AMPL) signed a triparty MoA with the premier research institute BARC and the Indian mini ratna agency IREL for establishing the PrNd Metal manufacturing process on industrial scale.



Indian Institute of Metals, Mumbai Chapter

presents

Shri R.P Singh

Former Director, NFG & Head, AFD & IF3
Bhabha Atomic Research Center, Mumbai

Ashvini Srikumar Banerjee Award

for his exemplary contributions to nuclear fuel fabrication and IIM activities