

Vedanta Aluminium

India's largest producer of aluminium

Metal of the Future

Aluminium. A strategic metal. The second-most important metal in the world today.

Our aluminium is used in critical sectors like space exploration, aerospace, building & construction, defence, transportation, electricity distribution, packaging etc. and fuels innovation in sunrise sectors such as electric vehicles, renewable energy, smart infrastructure, high-tech manufacturing and more.

We have embarked on a mission to catalyze the growth of novel applications of aluminium, paving the way for a greener and more sustainable tomorrow.

About Vedanta Aluminium Business:

- Vedanta Limited is one of the world's foremost natural resources companies
- Vedanta Aluminium Business is India's largest producer of aluminium
- We produced **2.37 million tonnes in FY24**, about **50%** of India's aluminium



OUR ASSETS

Aluminium Smelter Jharsuguda (Odisha)

- State-of-the-art **1.8 MTPA** smelter with **3615 MW** thermal power generation facility
- The world's largest single-location aluminium smelter
- Only Indian smelter in the global **'1 Million Tonne'** club
- Aluminium Stewardship Initiative (ASI) certified for demonstrating sustainable operations

Bharat Aluminium Company (BALCO), Korba (Chhattisgarh)

- Iconic **0.58 MTPA** aluminium smelter, with associated **1740 MW** of power generation facility
- Owned **51%** by Vedanta Limited and **49%** by the Government of India
- Clocked **unprecedented growth** from 100 KTPA in FY01 to 580 KTPA in FY24
- Aluminium Stewardship Initiative (ASI) certified for demonstrating sustainable operations

Alumina Refinery Lanjigarh (Kalahandi district, Odisha)

- A world-class **3.5 MTPA** alumina refinery with **130 MW** co-generation power plant
- **Expanding** production capacity to **5MTPA**
- Brought one of the most impoverished regions into the socio-economic mainstream
- Produced **1.8 million tonnes** of metallurgical grade alumina in FY24

Products & Applications

- We manufacture one of the largest ranges of aluminium products: Billets, Ingots, Wire Rods, Primary Foundry Alloy, Rolled Products, Slab and more
- India's first aluminium producer to launch low carbon 'green' aluminium, branded **Restora**
- Serving discerning customers in nearly **60 countries**
- First in the Indian aluminium industry to secure BIS (Bureau of Indian Standards) certifications for aluminium products

Sustainability

- **Ranked 1st** in the **S&P Global Corporate Sustainability Assessment (CSA) 2023**, for the aluminium industry
- Utilised **1.37 billion units** of renewable energy, equivalent to approximately 150 MW generated from a thermal power plant
- Reduced greenhouse gas emissions intensity by **~8% in FY23** over the FY21 baseline while increasing production by **~16%**
- Reduced greenhouse gas intensity by **28% in FY23**, from 2012 baseline with threefold production growth

Social Impact

- Generated 8 lakh employment opportunities in the past decade alone
- Fostered over 4000 MSMEs across our value-chain in India
- Increased community investments by over **45% in FY23** against FY21, positively impacting over **6.3 lakh** women and children
- Diversified employee hiring to include transgender and differently-abled professionals in core operations



Global Certifications & Recognitions



Restora®

- India's 1st manufacturer to produce Low-carbon Aluminium (LCA)
- Restora: LCA made using Renewable Energy (GHG Intensity ~ 2.2 TCO₂/T¹)
- RestoraUltra: Recovered aluminium through partnership with Runaya Refining (GHG Intensity < 1 TCO₂/T²)
- Certified as Low-carbon aluminium by Third Party Auditor



RestoraULTRA®
Recycled Aluminium



- 2 smelters (SEZ, JSG & BALCO) certified by ASI on Performance Standards covering all products including Restora & Restora Ultra
- ASI Chain of Custody certification for Vedanta Aluminium, Jharsuguda



S&P Global

- 1st rank in the S&P Global Corporate Sustainability Assessment (CSA) 2023 for the aluminium industry



- 1st primary aluminium producer in India to be certified by Bureau of Indian Standards for primary ingots, alloy ingots, cast bars, wire rods, rolled products



EPD®

- Environmental Product Declaration (EPD) International verification for all products, followed by Life Cycle Assessment (LCA)



- Member of the International Aluminium Institute (IAI)