Unmatched Quality, Peerless Value

Presenting Vedanta Aluminium

PRODUCT BROCHURE

INDIA'S LARGEST ALUMINIUM PRODUCER

FIRST FROM INDIA TO PRODUCE LOW CARBON ALUMINIUM ‘RESTORA’

SUPPLYING TO NEARLY 50 COUNTRIES

STRONG FOOTPRINT ACROSS THE GLOBE
Based in India, Vedanta Aluminium, a business of Vedanta Limited, is one of the world’s top manufacturers of aluminium, the ‘metal of the future’. With an installed capacity of 2.3 million tonnes per annum (MTPA), we are catering to the aluminium requirements of discerning customers in nearly 50 countries of America, Europe, Asia and Africa.
The most discerning of customers world-wide have chosen us for the quality of our products, global expertise in aluminium and excellence in customer services. We take great pride in providing our customers a unique competitive edge with one of the largest ranges of aluminium products, expertly tailor-made for their evolving needs.
UNPARALLELED GLOBAL EXPERTISE
With state-of-the-art assets, deep talent pool and ecosystem of global experts, our expertise in aluminium is sought-after world-wide.

TECHNOLOGY
Extensive deployment of best-in-class technology, innovation and digitalisation enables us to showcase high operational excellence and sustainable performance.

RESEARCH & DEVELOPMENT
We work with customers to co-create innovative product solutions customised to their needs, thanks to our robust R&D capabilities and a vibrant innovation hub.

CUSTOMER TECHNICAL SERVICES (CTS)
Our vibrant CTS cell works with a bevy of experts to help customers with new product development, global expertise in technical services, market development and more.

STRONG SUPPLY CHAIN
With access to India’s abundant mineral reserves, Vedanta Aluminium’s robust value chain and logistics network guarantees our customers 100% supply chain reliability.

SUSTAINABLE BUSINESS PRACTICES
Vedanta Aluminium ranked 4th in the Dow Jones Sustainability Index (DJSI) world rankings for the aluminium industry in 2021, a testimony to our sustainable business practices.
STRONG ASSET POSITIONING

Operations in India

- **Alumina Refinery, Vedanta Ltd.**
  - Lanjigarh, Odisha
  - 2 Million Tonnes Per Annum

- **Bharat Aluminium Company Ltd.**
  - Korba, Chhattisgarh
  - 0.575 Million Tonnes Per Annum

- **Aluminium Smelter, Vedanta Ltd.**
  - Jharsuguda, Odisha
  - 1.75 Million Tonnes Per Annum

STRONG GLOBAL PRESENCE

- **AMERICAS**
  - Brazil
  - Canada
  - Costa Rica
  - Ecuador
  - Honduras
  - Mexico
  - US

- **EUROPE**
  - Austria
  - Belgium
  - Bosnia
  - Bulgaria
  - Croatia
  - Finland
  - France
  - Germany
  - Greece
  - Italy
  - Netherlands
  - Poland
  - Portugal
  - Slovakia
  - Slovenia
  - Spain
  - Sweden
  - UK

- **MIDDLE EAST & AFRICA**
  - Bahrain
  - Egypt
  - Israel
  - Kingdom of Saudi Arabia
  - Oman
  - Qatar
  - South Africa
  - Turkey
  - UAE
  - Rest of Africa

- **ASIA**
  - Australia
  - Bangladesh
  - India
  - Indonesia
  - Japan
  - Malaysia
  - Nepal
  - New Zealand
  - Philippines
  - South Korea
  - Sri Lanka
  - Taiwan
  - Thailand
  - Vietnam

ABOUT US

STRONG REACH ACROSS THE WORLD
## OUR PRODUCTS

### Billets

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>460 KT</td>
</tr>
<tr>
<td>Diameters offering</td>
<td>6”, 7&quot;, 8&quot;, 9&quot;, 10” and 12” sizes</td>
</tr>
<tr>
<td>Technology</td>
<td>Wagstaff Hot-Top Air Slip Casting System</td>
</tr>
<tr>
<td>Homogenizing furnace</td>
<td>Continuous (from Hertwich Engineering) / Batch</td>
</tr>
<tr>
<td>Alloy offering</td>
<td>1xxx, 3xxx, 6xxx (Customizable)</td>
</tr>
<tr>
<td>Testing</td>
<td>100% Online Ultrasonic Testing</td>
</tr>
<tr>
<td>Packaging</td>
<td>Packaged in plastic strapped bundles on heat-treated wooden runners (ISPM 15)</td>
</tr>
<tr>
<td>Spectrometer for chemical testing</td>
<td>Testing Method: ASTM E1251</td>
</tr>
</tbody>
</table>

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**LARGEST BILLET EXPORTER IN INDIAN SUBCONTINENT AND SOUTH EAST ASIA**
## Primary Foundry Alloy

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Ingot variants</strong></td>
<td>10 kg, 22 kg</td>
</tr>
</tbody>
</table>
| **Capacity**        | 10 kg PFA: 190 KT  
                        | 22 kg PFA: 20 KT  |
| **Technology**      | Remetal Befesa (Spain),  
                        | Continnus-Properzi (Italy) |
| **Ingot dimensions**| 10 kg:  
                        | • 700 mm*100 mm*59 mm (Open Mould)  
                        | • 700 mm*700 mm*944 mm (Properzi Cast Bar)  
                        | 22 kg:  
                        | • 740 mm*170 mm*114 mm (Befesa Ingot) |
| **Alloy offering**  | AlSi7(A356.2), AlSi9, AlSi11, LM6, LM25 (Customizable) |
| **Chemical testing**| ASTM B233 |
| **Bundling**        | 10 kg bundle (107 pieces / 93 pieces)  
                        | 22 kg bundle (44 pieces) |
| **Packaging**       | PET Straps / Cross Straps |
## Wire Rods

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>560 KT</td>
</tr>
<tr>
<td>Rod diameter</td>
<td>7.6 mm, 9.5 mm, 12 mm, 15 mm</td>
</tr>
<tr>
<td>Inner diameter</td>
<td>570 mm +/- 10 mm</td>
</tr>
<tr>
<td>Outer diameter</td>
<td>1380-1500 mm</td>
</tr>
<tr>
<td>Weight per coil</td>
<td>1.8 - 2.9 tonne</td>
</tr>
<tr>
<td>Rod tolerance</td>
<td>+/- 0.5 mm</td>
</tr>
<tr>
<td>Technology</td>
<td>Southwire (USA) and Continnus-Properzi (Italy)</td>
</tr>
<tr>
<td>Alloy offering</td>
<td>AA1370, AA8030, AA8176, 6201, T4, AI59</td>
</tr>
<tr>
<td>Packaging</td>
<td>PET Straps / HDPE Covering / heat treated wooden saddle / silicon gel (customized packaging available)</td>
</tr>
</tbody>
</table>

**World’s Largest Producer of Wire-Rods, Ex-China**
• First from India to launch low carbon aluminium brand ‘Restora’ to enable customers meet their sustainability goals
• Restora, low-carbon aluminium, is manufactured using renewable energy
• GHG emissions intensity* range for Restora is 2.00 – 2.50 tCO2e/t
• Restora Ultra, ultra-low carbon aluminium, is manufactured with aluminium recovered from dross (a by-product of aluminium smelting process)
• GHG emissions intensity range for Restora Ultra is 0.7 – 0.8 tCO2e/t
• Both products are available in the form of Billets, Ingots and Wire Rods

*GHG emissions intensity is measured as the sum of Scope 1 and Scope 2 emissions. The global requirement for aluminium to be considered as ‘low carbon’ is 4tCOe/t (tonnes of CO2 equivalent per tonne of aluminium produced). Both Restora and Restora Ultra are well below this threshold.
CERTIFICATIONS AND PROCESS EXCELLENCE

We have robust systems in place to understand and exceed customer expectations. Alongside timely delivery, we strive to assure our customers of the best quality, in compliance with globally accepted technical standards and certifications, for all deliveries. These coveted certifications provide unmatched quality assurance to our valued customers. Vedanta Aluminium's products are certified by the following agencies:

- **ISO 9001:2015**
  (Quality Management System)
  Certified for the production and supply of primary aluminium and alloys

- **IATF 16949:2016**
  Certified for the production and supply of PFA and Billets for various applications to the automotive industry

- **ISO/IEC 17025:2005**
  NABL accreditation for laboratory for Testing Accreditation Certification

Sustainable development with ESG excellence is the bedrock upon which we conceive our growth plans. As one of the world's leading aluminium producers, we strive to make our processes and products more sustainable with each passing day. Our certifications include:

- **ISO 14001:2015**
  (Environment Management System)
  Certified for the production and supply of primary aluminium and alloys

- **EnMS 5001:2010**
  (Energy Management System)
  Certified for the production of primary aluminium and alloys

Safety of our people is of paramount importance for us. We have put in place internationally recognized standards on health and safety to create a ‘zero-harm’ environment for everyone who works with us. Our certifications include:

- **OHSAS 45001:2018**
  (Occupational Health & Safety Management System)
  Certified for the production and supply of primary aluminium and alloys

ASSURING OUR CUSTOMERS OF THE BEST QUALITY
CONTACT US

AMERICAS AND EUROPE
Kanishk Agarwal  Kanishk.Agarwal@vedanta.co.in  +91 80972 96318
vishallaxman.ramteke@vedanta.co.in  +91 99372 99014
sales.europe@vedanta.co.in
americassales@vedanta.co.in

ASIA, MIDDLE EAST & AFRICA
Vineet Mahajan  Vineet.Mahajan@vedanta.co.in  +91 91161 59890
asiasales@vedanta.co.in

INDIA
Nikhil Bhagchandani  Nikhil.Bhagchandani@vedanta.co.in  +91 98106 69977

NORTH
Yash Gupta  Yash.Gupta@vedanta.co.in  +91 9594 942111
north.almarketing@vedanta.co.in

EAST
Sanket Sinha  Sanket.Sinha@vedanta.co.in  +91 79032 14482
east.almarketing@vedanta.co.in

WEST
Siddharth Sahoo  Siddharth.Sahoo@vedanta.co.in  +91 85275 92194
west.almarketing@vedanta.co.in

SOUTH
Niket Soni  Niket.Soni@vedanta.co.in  +91 99811 40144
Akash S  Akash.S@vedanta.co.in  +91 81223 57933

CUSTOMER TECHNICAL SERVICES
Ram Sandipam Adhikary  sandipam.adhikary@vedanta.co.in  +91 76828 10134
CTS.Al@vedanta.co.in

www.vedantaaluminium.com