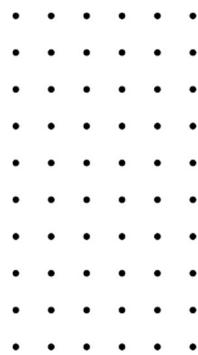
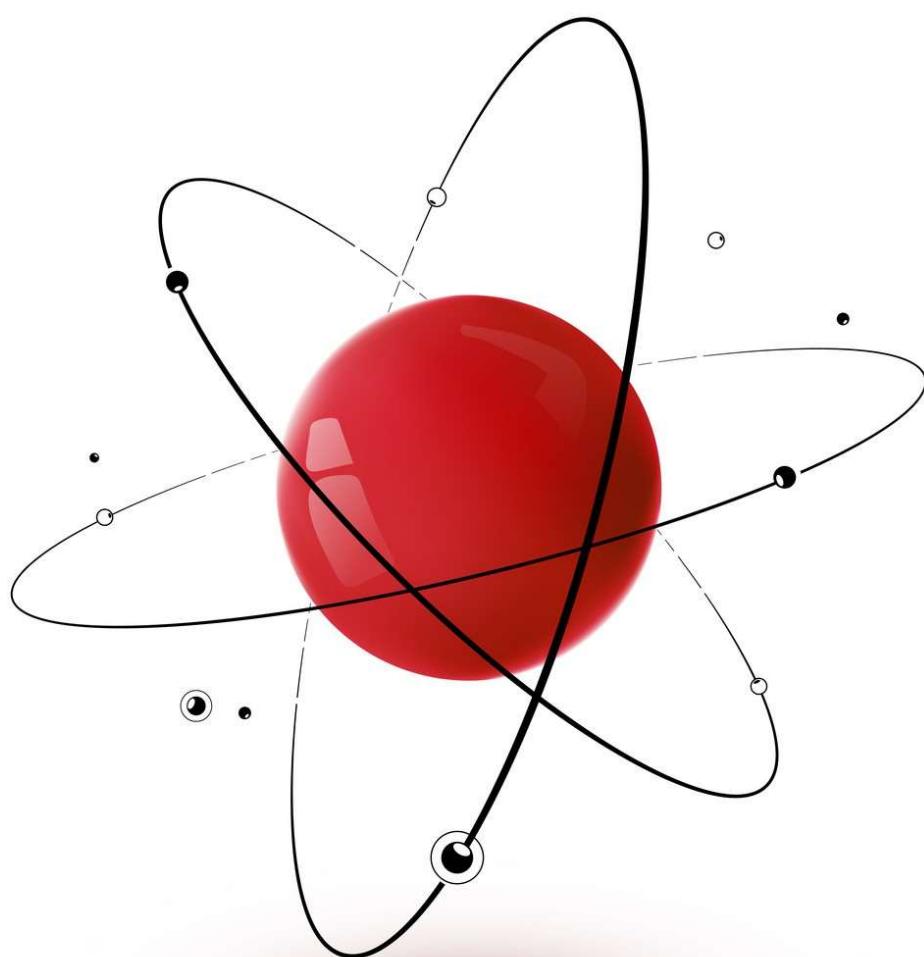


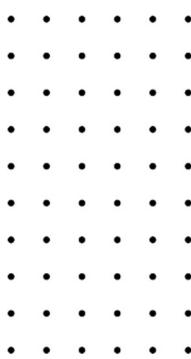


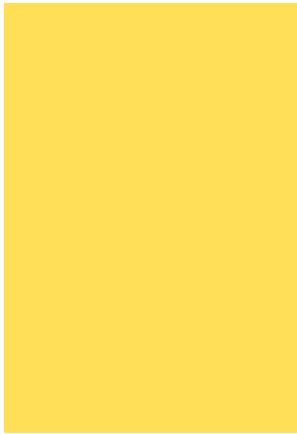
Tatva Enterprise



Tatva Enterprise

[www.tatvaenterprise.com](http://www.tatvaenterprise.com)





## ABOUT US

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Tatva Enterprise is a leading business house engaged in the mining, calcination, and export of raw and calcined bauxite. We operate our own mines with healthy reserves of superior-quality bauxite in India and have two calcination plants utilizing advanced technologies, namely Rotary Kiln and Shaft Kiln. Our registered office is in Ahmedabad, Gujarat.



## History & Growth

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The foundation of our organization dates to 2019 when Gujarat Mining Company was incorporated by Ramshibhai Bera, continuing his family-owned business in bauxite mining. In 2023, Baldev Bera, son of Ramshibhai Bera, along with two of his friends, established Tatva Enterprise as the export arm of Gujarat Mining. This strategic move has positioned Tatva Enterprise as a key player in the global bauxite trade while Gujarat Mining focuses on the domestic market.

Tatva Enterprise has always been committed to corporate social responsibility, emphasizing sustainability and community welfare alongside business growth.





# Vision of Tatva Enterprise

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Tatva Enterprise, our vision is to be a globally recognized leader in sustainable bauxite mining, calcination, and export. We strive to set industry benchmarks in quality, innovation, and environmental responsibility while contributing to the growth of our stakeholders and communities.

We are committed to:

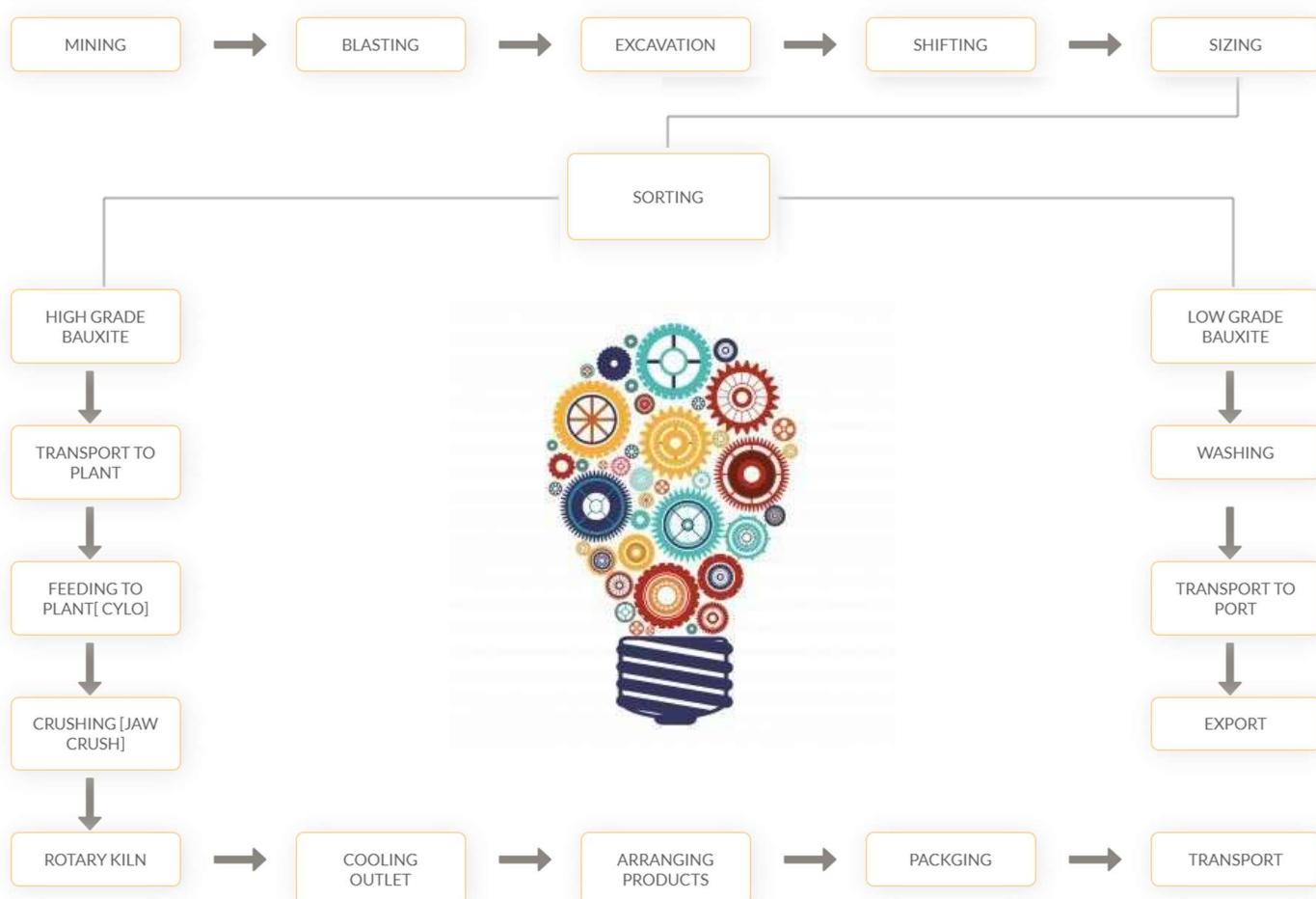
- **Excellence & Innovation:** Implementing cutting-edge technology and best practices in mining and processing to deliver superior-quality bauxite.
- **Sustainability & Responsibility:** Ensuring eco-friendly mining operations, resource conservation, and minimal environmental impact.
- **Customer-Centric Approach:** Building long-term partnerships by providing reliable, high-quality products and seamless logistics solutions.
- **Growth & Expansion:** Strengthening our presence in domestic and global markets while continuously enhancing production and export capacities.
- **Community Development:** Uplifting local communities through employment, education, and social welfare initiatives.

With integrity and dedication, we aspire to shape the future of the bauxite industry and contribute to a sustainable and prosperous world.



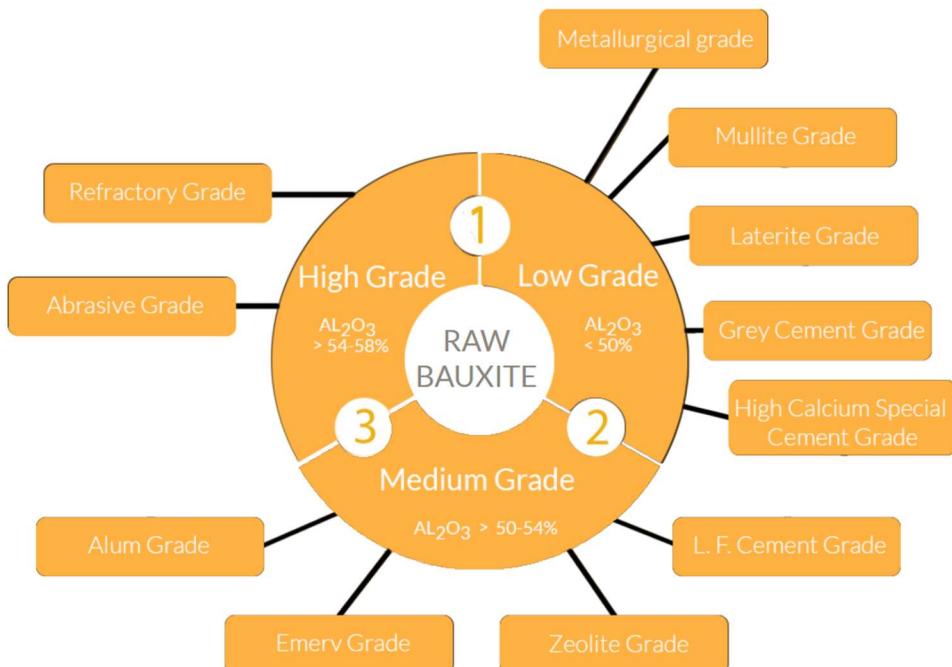
# Production Process

- Mining → Blasting → Excavation → Shifting → Sizing → Sorting
- High-grade bauxite is transported to the plant, crushed, and processed in rotary kilns before cooling and packaging.
- Low-grade bauxite is washed, transported to the port, and exported





# Our Product



Low-Grade Bauxite ( $\text{Al}_2\text{O}_3 < 50\%$ )
Metallurgical grade
Mullite grade
Laterite grade
Grey Cement grade
High Calcium Special Cement grade

Medium Grade Bauxite ( $\text{Al}_2\text{O}_3 > 50\text{-}54\%$ )
Alum grade
Emery grade
Zeolite grade
L.F. Cement Grade

High Grade Bauxite ( $\text{Al}_2\text{O}_3 > 54\text{-}58\%$ )
Refractory grade
Abrasive grade





# Our Operations & Capacity

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## Raw Bauxite Production:

- We operate four mines exclusively for feeding our calcination plants, while the other four cater to export and local sales.
- Our current optimum production capacity for exports, at an average 40% recovery rate, ranges between 50,000 – 55,000 MT per month.
- Production and shipping capacity can be increased by developing more areas.
- Mining and port operations are halted during the monsoon season (June to August).

## Calcined Bauxite Production:

- Two calcination units with a combined capacity of approximately 10,000 MT per month.
- **Mewasa Plant:** 200 MT per day
- **Khambhaliya Plant:** 150 MT per day.



# Export Process



## Preparation:

ROM sorting, grade assessment, and crushing/screening into size fractions (-10mm, 10-30mm, 30-75mm, +75mm).

- Sample analysis to ensure quality compliance before dispatch to the port.

## 2. Cargo Movement & Management:

- Internally transported via company-owned trucks and dumpers, with additional vehicles hired when necessary.
- Proactive dispatch of 500-1000 MT of cargo daily to maintain stock at the port.





# Testing & Quality Assurance

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We are the only mining company in the region with an active chemical testing laboratory near our calcination plant in Khambhaliya. Our laboratory is equipped with state-of-the-art instruments, including:

- ✓ X-ray Analyzer (Xmet-920)
- ✓ UV-VIS Spectrophotometer (Model 119)
- ✓ Jaw Crusher, Roll Crusher, Pulveriser, and Balances for sample preparation
- ✓ We follow ISO, and BIS standards for bauxite analysis.



# Mining and transportation unit:

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It is the policy of the company to be self-sufficient in all respects, as far as possible. Accordingly, company has own infrastructure and logistics support, as per the following details.

- ✓ Excavators - 4 nos. (Tata Hitachi Ex 200 LC/jcb 3d model/ L & T ck90/Tata jd 315SE) Loaders - 6 no's (Ford loader - 2 nos and jcb 3d model 4 nos.)
- ✓ Dumpers- 30 nos.(Ashok Leyland- 15 nos. of 110 bhp and 15 of 174 bhp)
- ✓ Tractors- 18 nos( Hindustan- 6 nos, Mahindra 275 DI- 7 nos, ford 5 nos.)
- ✓ Jack Hammer (drilling)- 6 nos.(Model RH 658- 42)
- ✓ Air compressors- 2 nos ( 1 Atlas capco and 1 holman portable)
- ✓ Survey equipment- theodolite- 1 no.
- ✓ Automatic level- 1 no
- ✓ Currently hired equipment in use: Excavator (Tata Hitachi Ex 200- LC)- 3 nos. Jcb loader3D -2 nos. Tractors (3mt cap.) -35-40 nos.



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