

COMPLETE INDUSTRIAL MINERAL SOLUTIONS



BIGROCK
—MINES AND MINERALS—



CORPORATE PROFILE

“Minerals That Build India”

SINCE 2010



PREMIUM
QUALITY



TRUST &
RELIABILITY



TIMELY
DELIVERY

*Delivering High-quality Minerals
For Construction, Industrial, And
Manufacturing Needs Across India.*



CONSISTENT
QUALITY



INDUSTRY
EXPERTISE



SUSTAINABLE
PRACTICES



CUSTOMER
FOCUSED

STRENGTH

STABILITY

SUCCESS

About Us

Bigrock Mines & Minerals is a leading Mining, Manufacturing & Export company based in Bikaner, Rajasthan – the heart of Rajasthan – with over 15 years of industry experience. We specialize in the extraction, processing, and supply of high-quality industrial minerals across India and international markets.

With our strong presence in Mining & Manufacturing operations across multiple locations in Rajasthan, we ensure consistent quality, reliable supply, and customized solutions tailored to diverse industrial requirements. Our well-managed mines and advanced processing units enable us to deliver superior-grade materials efficiently across Pan India.

We proudly serve industries such as construction, ceramics, paint, agriculture, foundry, and more, meeting both domestic and export demands with excellence. Under the leadership of our CEO, Mr. P.K. Vaishnav, the company is committed to maintaining the highest standards of quality, innovation, and customer satisfaction.

Message FROM THE FOUNDER

“At Bigrock Mines & Minerals, our mission is to deliver superior quality minerals with complete reliability and trust. With years of experience in Mining & Manufacturing, we have built a strong foundation focused on quality, commitment, and customer satisfaction. We continuously strive to innovate and improve our processes to meet the growing demands of various industries. Our goal is to become a trusted partner for businesses across India by delivering consistent value and excellence.”



Mr. P.K. Vaishnav
(Founder & MD, Bigrock Group)

OUR VISION

To become a leading name in the Mining & Manufacturing industry, delivering high-quality mineral solutions across India while maintaining sustainability, innovation, and long-term client relationships.

OUR MISSION

To consistently provide superior quality minerals through advanced Mining & Manufacturing processes, ensuring customer satisfaction, timely delivery, and continuous improvement in every aspect of our operations.

WHY CHOOSE US

- ✓ Consistent Quality Assurance
- ✓ Strong Mining & Manufacturing Setup
- ✓ Timely Delivery Across India
- ✓ Customized Product Solutions
- ✓ Competitive Pricing
- ✓ Experienced & Reliable Team



Our Infrastructure & Manufacturing Strength

At Bigrock Mines & Minerals, we have developed a strong infrastructure supported by advanced Mining & Manufacturing facilities. Our well-managed mines and modern processing units enable us to produce high-quality minerals with consistency and efficiency. We utilize advanced machinery and skilled manpower to ensure smooth operations from raw material extraction to final product dispatch, maintaining strict quality standards at every stage.

**CAPABLE OF HANDLING BULK ORDERS WITH CONSISTENT
QUALITY AND TIMELY DELIVERY ACROSS INDIA.**



Silica Sand (SiO_2)

High Purity Silica for Industrial Excellence

Our Silica Sand is processed using advanced Mining & Manufacturing techniques to ensure high purity, uniform particle size, and superior performance. It is widely used across multiple industries due to its excellent chemical and physical properties.

We supply silica sand in various grades and mesh sizes as per specific industrial requirements, ensuring consistency and reliability in every batch.



Key Features :

- ✓ High SiO_2 Content
- ✓ Controlled Particle Size
- ✓ Low Impurities
- ✓ High Strength & Durability
- ✓ Available in Multiple Grades
- ✓ Consistent Quality Supply

Applications :

- ✓ Glass Manufacturing Industry
- ✓ Foundry & Metal Casting Industry
- ✓ Railway Components & Engine Casting
- ✓ Construction & Building Materials
- ✓ Tile Adhesive & Grout Manufacturing
- ✓ Texture Paint & Coating Industry
- ✓ Ceramic & Tiles Industry
- ✓ Water Filtration Systems
- ✓ Moulding & Core Making
- ✓ Chemical & Industrial Processing

Specifications :

- SiO_2 : 95% – 99%
- Mesh Size & AFS: As per requirement
- Moisture: Low
- Form: Loose
- Packaging: Bulk / Bags
- Supply Capability: Large Volume Available

Widely used in multiple industrial applications due to its high purity, strength, and versatile performance.





Gypsum Powder & Plaster of Paris (POP)

High Quality Gypsum Solutions for Construction & Industrial Applications

Our Gypsum Powder and Plaster of Paris (POP) are manufactured using high-quality raw gypsum through advanced Mining & Manufacturing processes. Both products are known for their superior whiteness, smooth finish, and reliable performance.

Gypsum Powder is widely used in cement, agriculture, and construction, while POP is ideal for fast-setting applications such as wall finishing, decorative molding, and interior works.



Key Features :

- ✓ High Purity & Whiteness
- ✓ Smooth Finish
- ✓ Excellent Workability
- ✓ Fast Setting (POP)
- ✓ Consistent Quality
- ✓ Available in Different Grades

Applications :

GYPSUM POWDER

- ✓ Cement Industry
- ✓ Agriculture (Soil Conditioner)
- ✓ Plastering & Construction
- ✓ Fertilizer Industry

Applications :

PLASTER OF PARIS (POP)

- ✓ Wall Putty & Interior Finishing
- ✓ Decorative Molding & Designs
- ✓ False Ceiling Work
- ✓ Casting & Mould Making

Specifications :

- Purity: High
- Whiteness: High
- Setting Time (POP): Fast
- Mesh Size: As per requirement
- Form: Powder
- Packaging: Bags / Bulk

Gypsum Powder and Plaster of Paris are extensively utilized in diverse industrial and construction applications, known for their superior purity, strength, smooth finish, and consistent performance.



Ball Clay

High Plasticity Clay for Ceramic Excellence

fine particle size, high plasticity, and excellent binding properties. It is widely used in ceramic and allied industries for its superior strength and smooth finish.

We provide ball clay in customized grades suitable for various industrial applications, maintaining consistent quality and performance.



Key Features :

- ✓ High Plasticity
- ✓ Fine Particle Size
- ✓ Excellent Binding Strength
- ✓ Smooth Finish
- ✓ High Dry Strength
- ✓ Consistent Quality

Applications :

- ✓ Ceramic Industry
- ✓ Tiles Manufacturing
- ✓ Sanitaryware Production
- ✓ Tableware & Pottery
- ✓ Refractories
- ✓ Engobes & Glazes
- ✓ Electrical Porcelain

Specifications :

- Color: Light / Natural
- Plasticity: High
- Particle Size: Fine
- Moisture: Controlled
- Form: Lumps / Powder
- Packaging: Bags / Bulk

Ball Clay Powder is extensively utilized in various industrial applications, known for its superior plasticity, fine texture, strong binding properties, and consistent performance.



Bentonite Powder

High Swelling & Binding Mineral for Industrial Applications

Our Bentonite Powder is processed using advanced Mining & Manufacturing techniques, ensuring high swelling capacity, excellent binding properties, and superior performance across various industrial applications.

It is widely used in drilling, foundry, and construction industries due to its strong water absorption and sealing capabilities. We offer bentonite in multiple grades as per industry-specific requirements.



Key Features :

- ✓ High Swelling Capacity
- ✓ Excellent Binding Properties
- ✓ Strong Water Absorption
- ✓ Fine Particle Size
- ✓ Chemical Stability
- ✓ Consistent Quality

Applications :

- ✓ Drilling (Oil & Water Well Drilling)
- ✓ Foundry & Metal Casting
- ✓ Construction & Waterproofing
- ✓ Civil Engineering Works
- ✓ Iron Ore Pelletizing
- ✓ Cat Litter & Absorbents
- ✓ Sealants & Liners

Specifications :

- Swelling Capacity: High
- Moisture: Controlled
- Particle Size: Fine
- Form: Powder
- Grade: As per requirement
- Packaging: Bags / Bulk

Bentonite Powder is extensively utilized in diverse industrial applications, known for its superior swelling capacity, high absorbency, strong binding properties, and reliable performance.



Hydrated Lime Powder & Quick Lime

High Reactivity Lime Solutions for Industrial & Construction Applications

Our Hydrated Lime Powder and Quick Lime are produced using high-quality limestone through controlled Mining & Manufacturing processes. These products are known for their high purity, strong chemical properties, and versatile industrial applications.

Quick Lime (Calcium Oxide) is widely used where high reactivity is required, while Hydrated Lime (Calcium Hydroxide) is suitable for safer handling and applications in construction, water treatment, and chemical processes.



Key Features :

- ✓ High Purity & Reactivity
- ✓ Excellent Chemical Stability
- ✓ Fine Quality Processing
- ✓ Multi-Industry Usage
- ✓ Available in Different Grades
- ✓ Consistent Supply

Applications :

Quick Lime (CaO)

- ✓ Steel & Metallurgical Industry
- ✓ Chemical Processing
- ✓ Cement Manufacturing
- ✓ Soil Stabilization
- ✓ Industrial Furnaces

Applications :

Hydrated Lime (Ca(OH)₂)

- ✓ Water Treatment & Purification
- ✓ Construction & Plastering
- ✓ Whitewashing
- ✓ Waste Treatment
- ✓ Paint & Coating Industry

Specifications :

- Purity: High
- Form: Lumps / Powder
- Reactivity: High
- Mesh Size (Hydrated Lime): As required
- Packaging: Bags / Bulk

Hydrated Lime and Quick Lime Powder are extensively utilized in diverse industrial applications, known for their superior purity, high reactivity, durability, and reliable performance.



China Clay (Kaolin)

High Brightness Mineral for Premium Industrial Applications

Our China Clay (Kaolin) is processed using advanced Mining & Manufacturing techniques, ensuring high brightness, fine particle size, and excellent chemical stability. It is widely used in industries that require superior finish, whiteness, and smooth texture.

We offer China Clay in different grades suitable for applications in paint, paper, ceramics, and other industrial sectors, ensuring consistent quality and reliable performance.



Key Features :

- ✓ High Brightness & Whiteness
- ✓ Fine Particle Size
- ✓ Excellent Dispersion Properties
- ✓ Smooth Texture
- ✓ Chemical Stability
- ✓ Consistent Quality

Applications :

- ✓ Paint & Coating Industry
- ✓ Paper Industry (Filler & Coating)
- ✓ Ceramic & Tiles Industry
- ✓ Rubber & Plastic Industry
- ✓ Adhesives & Sealants
- ✓ Cosmetic & Personal Care Products

Specifications :

- Brightness: High
- Particle Size: Fine
- Whiteness: High
- Moisture: Controlled
- Form: Powder / Lumps
- Packaging: Bags / Bulk

China Clay is extensively utilized in diverse industrial applications, known for its superior whiteness, fine texture, excellent plasticity, and consistent performance.



Marble Powder

Calcium Carbonate Based Mineral

Marble Powder is a finely ground natural stone mineral widely used in construction, paints, plastics, and various industrial applications.

It is known for its high brightness, smooth texture, and excellent binding properties.



Key Features :

- ✓ High Purity
- ✓ Excellent Brightness
- ✓ Smooth Finish
- ✓ Uniform Particle Size
- ✓ Cost Effective
- ✓ Easy Mixing

Applications :

- ✓ Paint Industry
- ✓ Putty & Wall Coating
- ✓ Plastic & Rubber
- ✓ Construction

Specifications :

Whiteness	90% – 98%
Mesh Size	200 – 800 Mesh
CaCO ₃ Content	95%+
Form	Powder
Color	White
Moisture	< 1%

Marble Powder is extensively utilized in diverse applications, known for its superior whiteness, fine texture, durability, and consistent performance.



Dolomite Powder

Calcium Carbonate Based Mineral

Dolomite Powder is a high-quality mineral composed of calcium magnesium carbonate, widely used across various industries for its excellent chemical stability, high purity, and superior whiteness.

It plays a vital role in improving strength, durability, and performance in multiple industrial applications.



Key Features :

- ✓ High Purity & Consistent Composition
- ✓ Excellent Whiteness & Fine Particle Size
- ✓ High Calcium & Magnesium Content
- ✓ Superior Chemical Stability
- ✓ Low Moisture Content
- ✓ Uniform Quality & Reliable Performance

Applications :

- ✓ Cement & Construction Industry
- ✓ Steel & Metallurgical Industry
- ✓ Paints, Coatings & Putty
- ✓ Ceramics & Tiles Industry
- ✓ Glass Manufacturing
- ✓ Agriculture & Soil Conditioning
- ✓ Chemical & Industrial Processing
- ✓ Rubber & Plastic Industry

Specifications :

Form: Powder
Color: White / Off White
Purity: High
Calcium Oxide (CaO): 28–32%
Magnesium Oxide (MgO): 18–22%
Silica (SiO₂): < 2%
Mesh Size: 200 / 300 / 400 (As per requirement)
Moisture Content: Low
Bulk Density: As per standard
pH Value: Neutral to slightly alkaline

Committed to providing high-purity Dolomite solutions that meet the evolving demands of modern industries.



Calcite Powder

High Purity Calcite for Superior Brightness, Smoothness & Performance

Calcite Powder is a naturally occurring calcium carbonate mineral known for its high whiteness, fine particle size, and excellent dispersion properties.

It is widely used across various industries as a functional filler to enhance strength, finish, and overall product performance.



Key Features :

- ✓ High Whiteness & Brightness
- ✓ Fine Particle Size & Smooth Texture
- ✓ Excellent Dispersion Properties
- ✓ High Calcium Carbonate Content
- ✓ Low Moisture Content
- ✓ Consistent Quality & Reliable Performance

Applications :

- ✓ Paints, Coatings & Putty
- ✓ Plastic Industry
- ✓ Rubber Industry
- ✓ Paper Industry
- ✓ Construction & Building Materials
- ✓ Adhesives & Sealants
- ✓ Ceramic Industry

Specifications :

Form: Powder
Color: White
Purity (CaCO₃): 95–98%
Whiteness: 90–95%
Mesh Size: 200/300/400/500 (As per requirement)
Moisture Content: Low
Oil Absorption: Standard
Bulk Density: As per standard
pH Value: Neutral to slightly alkaline

Delivering high-quality Calcite Powder with consistent performance and superior finish for diverse industrial applications.



Multani Mitti (Fuller's Earth)

Natural Clay for Cosmetic & Industrial Applications

Our Multani Mitti (Fuller's Earth) is a naturally occurring clay processed using advanced Mining & Manufacturing techniques, ensuring purity, fine texture, and excellent absorption properties.

It is widely known for its oil absorption, cooling effect, and cleansing properties, making it ideal for both cosmetic and industrial applications.



Key Features :

- ✓ High Absorption Capacity
- ✓ Natural & Chemical-Free
- ✓ Fine Texture
- ✓ Cooling & Cleansing Properties
- ✓ Skin-Friendly
- ✓ Multi-Industry Usage

Applications :

Cosmetic & Personal Care

- ✓ Face Packs & Skin Care Products
- ✓ Hair Care Applications
- ✓ Beauty & Herbal Products

Applications :

Industrial Applications

- ✓ Oil Absorbents
- ✓ Cleaning & Polishing
- ✓ Textile Processing
- ✓ Leather Industry

Specifications :

- Texture: Fine
- Color: Natural Brown / Beige
- Form: Powder / Lumps
- Moisture: Low
- Packaging: Bags / Bulk

A natural solution trusted for both beauty care and industrial applications.



Talc Powder

Ultra Fine Mineral for Smoothness, Filler & Industrial Performance

Our Talc Powder is processed using high-quality raw material through advanced Mining & Manufacturing techniques, ensuring ultra-fine particle size, high whiteness, and excellent smoothness.

It is widely used as a filler and finishing material in various industries due to its softness, lubrication properties, and ability to improve surface quality.



Key Features :

- ✓ High Whiteness
- ✓ Ultra Fine Particle Size
- ✓ Excellent Smoothness
- ✓ Good Lubrication Properties
- ✓ Chemical Stability
- ✓ Consistent Quality

Applications :

- ✓ Paint & Coating Industry
- ✓ Plastic & Polymer Industry
- ✓ Rubber Industry
- ✓ Putty & Wall Finishing
- ✓ Tile Adhesive & Grout
- ✓ Polishing & Surface Finishing
(Grit / Smoothness Use)
- ✓ Cosmetic Industry

Specifications :

- Whiteness: High
- Particle Size: Ultra Fine
- Form: Powder
- Moisture: Low
- Grade: As per requirement
- Packaging: Bags / Bulk

Enhancing product quality with superior smoothness, brightness, and performance.

Quality Assurance & Industries We Serve

At Bigrock Mines & Minerals, quality is our top priority. We follow strict quality control measures at every stage of Mining & Manufacturing to ensure that our products meet industry standards and client expectations.

Our materials are tested for key parameters to maintain consistency, performance, and reliability in every batch.

Testing Parameters :

- Particle Size Distribution
- Chemical Composition Analysis
- Purity Level Assessment
- Moisture Content Analysis
- Bulk Density & Specific Gravity
- Whiteness / Brightness Index
- pH Value Testing
- Consistency & Quality Check

Product-Specific Testing (As Applicable)

- Silica Content (SiO₂) & Sieve Analysis (For Silica Sand)
- Setting Time & Strength Test (For Gypsum & Plaster of Paris)
- Swelling Index & Plasticity Test (For Bentonite & Clays)
- Plasticity Index & Shrinkage Test (For Ball Clay & China Clay)
- Reactivity & Available Lime Content (For Lime Products)

Certified laboratory test reports are available upon request to ensure complete transparency and quality assurance.

Industries We Serve :

We cater to a wide range of industries by supplying high-quality minerals including Gypsum Powder, Plaster of Paris (POP), Ball Clay, Bentonite, China Clay, Silica Sand, Hydrated Lime, and Quick Lime.

- Construction & Infrastructure
- Ceramics & Tiles Industry
- Paints, Coatings & Putty
- Foundry & Casting
- Glass Manufacturing
- Agriculture & Soil Conditioning
- Water Treatment
- Chemical & Industrial Processing
- Paper Industry
- Rubber Industry
- Plastic Industry

Your trusted partner for quality minerals across industries.



BIGROCK

—MINES AND MINERALS—



*Quality Minerals
Trusted Excellence...*

OUR GROUP OF COMPANIES

Our Vision, Multiple Strengths, Complete Solutions.



BIGROCK
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Mining & Mineral Supply Division

Extraction, processing & supply of Silica Sand, Gypsum, Bentonite, China Clay, and other industrial minerals for construction, ceramics, and Foundry industries.

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