

ALHAM EXIM
INDIA PVT. LTD.

Industry-Specific Mineral Portfolio

Matching our export-grade minerals to what your industry actually needs

From Mine to Port.

47 Park Street, Kolkata • Udaipur & Bhilwara, Rajasthan

Direct From the Mine. Direct to the Port.

Alham Exim India Pvt. Ltd. is a vertically integrated industrial minerals export company, sourcing from 33+ mines across Rajasthan and supplying processed, lab-certified minerals to buyers across ceramics, glass, cement, steel, paints, electronics, and construction industries worldwide.

Every shipment is independently lab-tested before dispatch, packed to export standard, and routed through India's two major west-coast gateway ports for reliable, on-schedule delivery.

Company Credentials

- Registered under CAPEXIL and FIEO — recognized Indian export bodies
- Sourcing network of 33+ mines across Rajasthan's mineral belt
- Export dispatch via Mundra and Kandla ports, Gujarat
- Sister concern: Sumba International
- 10 export mineral grades, each independently lab-certified
- Head Office: 47 Park Street, Kolkata | Operations: Udaipur & Bhilwara, Rajasthan

How to Use This Portfolio

The following pages are organized by industry, not by mineral. Find your industry, and see exactly which of our minerals apply, what role each plays in your process, and the key specification our buyers typically ask for. For full technical data sheets on any mineral, request our complete Product Catalogue.

Ceramics & Sanitaryware

Tile bodies, glazes, and sanitaryware formulations depend on consistent flux and plasticity control. Our feldspar, quartz, and kaolin grades are calibrated for exactly this.

Mineral	Role in this Industry	Key Spec
Potash Feldspar	Primary flux — lowers firing temperature, controls vitrification	K2O content, low Fe2O3
Soda Feldspar	Flux for faster melting glazes and fast-fire bodies	Na2O content
Quartz / Silica	Structural filler, controls thermal expansion in the body	SiO2 ≥ 99%
Kaolin	Plasticity and whiteness in body and glaze formulations	Al2O3 content, low iron

Glass Manufacturing

Container, flat, and specialty glass all start with high-purity silica sand and a reliable flux package to control melting behavior.

Mineral	Role in this Industry	Key Spec
Silica Sand	Primary raw material — the glass-forming oxide	SiO2 ≥ 99.5%, low Fe2O3
Feldspar (Soda/Potash)	Alumina and alkali source, improves melt chemistry	Al2O3 %, alkali oxide %
Dolomite	Stabilizer — improves chemical durability of glass	MgO / CaO ratio

Paints & Coatings

Extenders and functional fillers determine opacity, sheen, and crack resistance in architectural and industrial coatings.

Mineral	Role in this Industry	Key Spec
Kaolin	Opacity and hiding power, cost-effective extender	Brightness %, particle size
Mica	Anti-cracking reinforcement, natural sheen effect	Mesh size, whiteness %
Quartz / Silica	Matting agent and abrasion-resistant filler	Particle size distribution

Cement Manufacturing

Clinker chemistry needs precise iron and alumina correction — this is where our laterite and bauxite grades come in.

Mineral	Role in this Industry	Key Spec
Laterite	Iron-corrective additive in raw mix	Fe2O3 20–45%
Bauxite	Alumina-corrective additive, calcium aluminate cement	Al2O3 ≥ 45%
Dolomite	Raw mix component, MgO source	MgO / CaO content

Refractories & Foundry

Furnace linings, castables, and molding sands demand minerals that hold up under sustained high heat.

Mineral	Role in this Industry	Key Spec
Bauxite (Calcined)	High-alumina refractory bricks and castables	Al2O3 ≥ 55% (calcined grade)
Quartz / Silica	Silica refractory bricks, foundry molding sand	SiO2 ≥ 99%, low moisture
Dolomite	Basic refractory linings for steel furnaces	MgO / CaO ratio, low SiO2

Steel & Metallurgy

Blast furnace and DRI operations need consistent Fe content and a flux package that behaves predictably at scale.

Mineral	Role in this Industry	Key Spec
Iron Ore	Primary feedstock for blast furnace, DRI/sponge iron, pelletization	Fe ≥ 58%, low S/P
Dolomite	Flux material in blast furnace and steelmaking	MgO / CaO content
Bauxite	Flux and alumina source in ferro-alloy production	Al2O3 %

Electrical & Electronics

High dielectric strength and thermal stability make our muscovite mica the standard choice for insulation components.

Mineral	Role in this Industry	Key Spec
Mica (Sheet / Micronized)	Electrical insulation — capacitors, insulation tape, thermal boards	Dielectric strength, Fe2O3 ≤ 0.5%

Cosmetics & Personal Care

Natural shimmer and skin-safe absorbency are the two properties formulators look for — both are strengths of our mica and kaolin grades.

Mineral	Role in this Industry	Key Spec
Mica (Cosmetic Grade)	Natural pearl/shimmer effect in makeup and skincare	Whiteness 80–90%, fine mesh
Kaolin	Oil-absorbing, mattifying filler in powders and masks	Purity, particle size, low grit

Rubber, Plastics & Adhesives

Reinforcing and functional fillers reduce cost while maintaining mechanical performance in molded and extruded products.

Mineral	Role in this Industry	Key Spec
Mica	Reinforcing filler, improves dimensional stability	Aspect ratio, mesh size
Dolomite	General-purpose filler, cost-effective bulking agent	Whiteness, particle size
Kaolin	Filler for improved surface finish and processing	Particle size distribution

Oil & Gas (Drilling)

Drilling fluid additives and proppants both draw on minerals engineered for very specific downhole behavior.

Mineral	Role in this Industry	Key Spec
Mica (Flake)	Lost-circulation control additive in drilling mud	Flake size, purity
Bauxite (Calcined, High-Grade)	High-strength proppant for hydraulic fracturing	Al2O3 ≥ 60%, crush strength

Construction & Road Infrastructure

Sub-base stability and long-term durability are the priorities for road and embankment work.

Mineral	Role in this Industry	Key Spec
Laterite	Sub-base and embankment fill material	Gradation, moisture content
Dolomite	Aggregate and stabilization material	Particle size, hardness

Water Treatment & Municipal Services

Winter road safety programs and softener regeneration both rely on a consistent, high-purity industrial salt supply.

Mineral	Role in this Industry	Key Spec
De-icing Salt	Winter road de-icing, water softener regeneration	NaCl ≥ 95%, granulometry 2–8mm

Ready to Talk Specifications?

Send us your industry, target spec, and volume — we'll respond with a quote within 24–48 hours.

Rizwan Nadaf, Founder & Managing Director

Alham Exim India Pvt. Ltd. • 47 Park Street, Kolkata



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