



MODKHA MARINE SDN BHD

International Minerals Supplier
For Your Industrial Needs



International Minerals Supplier
For Your Industrial Needs

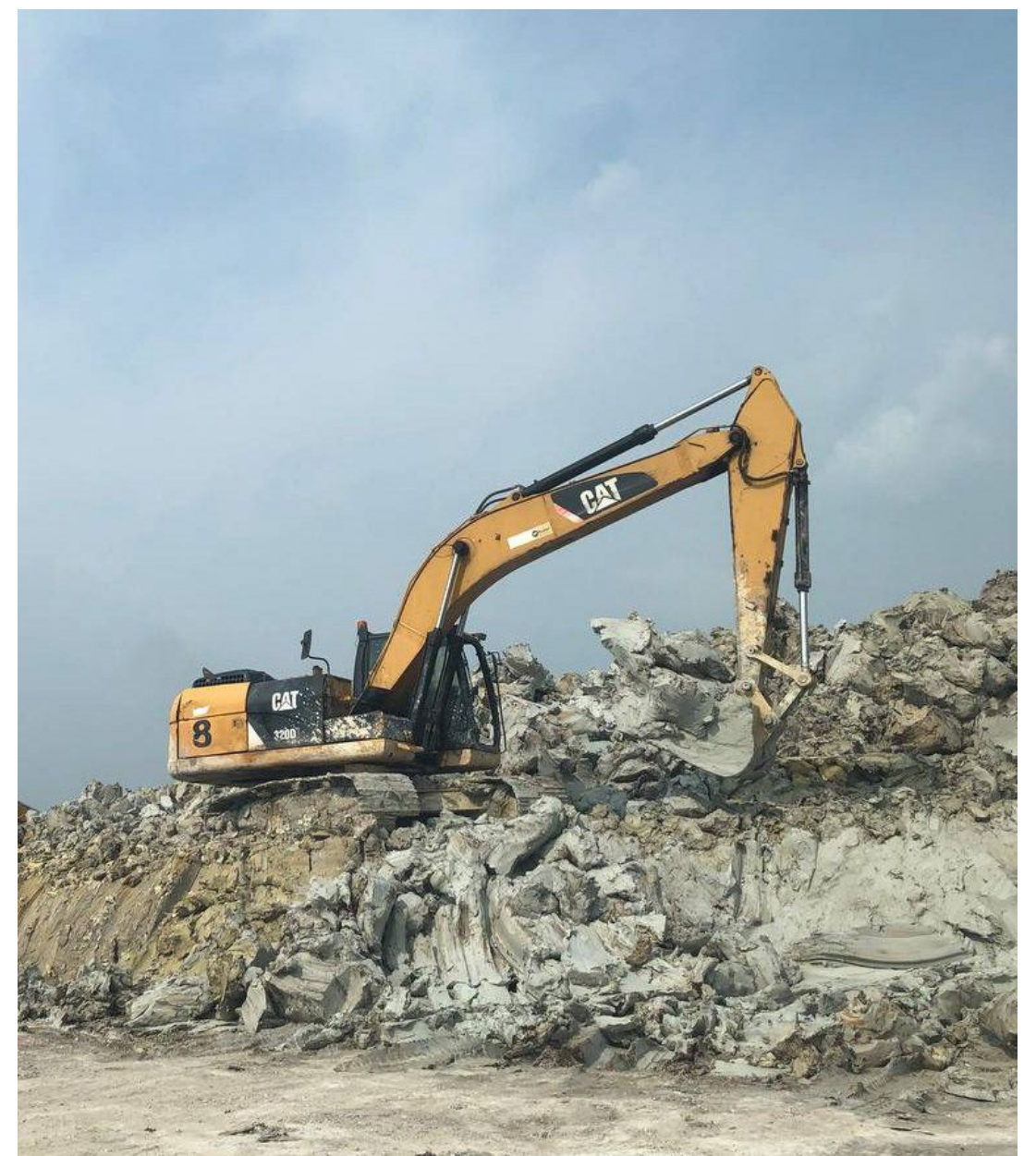


ABOUT US

With over 12 years of industry expertise, **Modkha Marine Sdn Bhd** has established itself as a seasoned global supplier of premium ball clay, trusted by leading manufacturers worldwide. By leveraging a direct supply chain, we guarantee our partners not only exceptional product quality but also significant savings in material procurement.

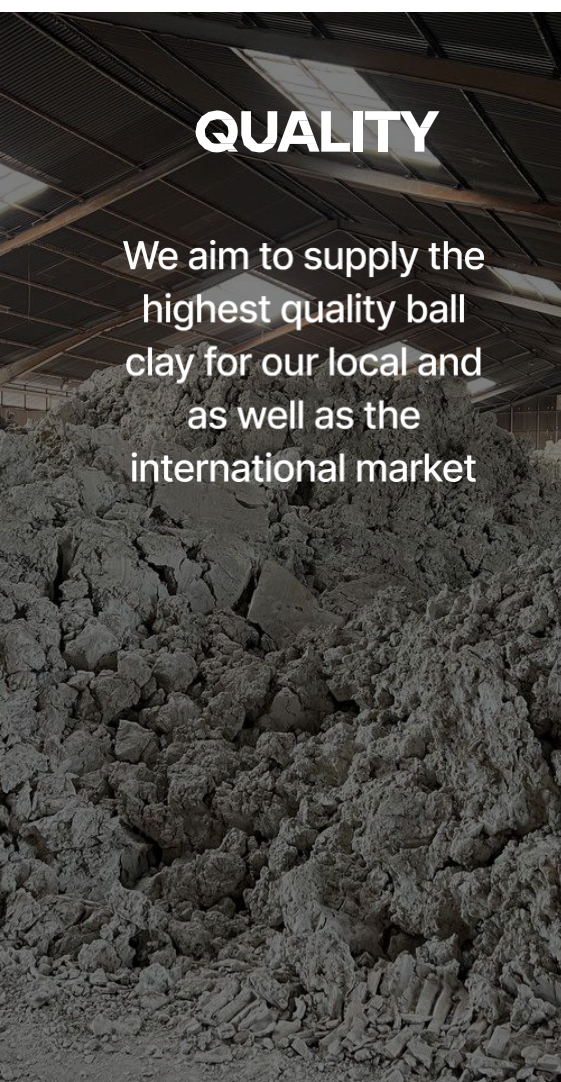
Nestled in the heart of Malaysia, we proudly serve a diverse portfolio of industries, including ceramics, tiles, porcelain, paints, and cosmetics, with a footprint that extends across Asia and into Europe.

Our operations are supported by a robust infrastructure strategically segmented into specialized functional units. Equipped with advanced machinery and guided by a team of experienced professionals, our facilities are designed to maximize efficiency, consistency, and innovation ensuring we continue to set the benchmark for quality in the global ball clay market.



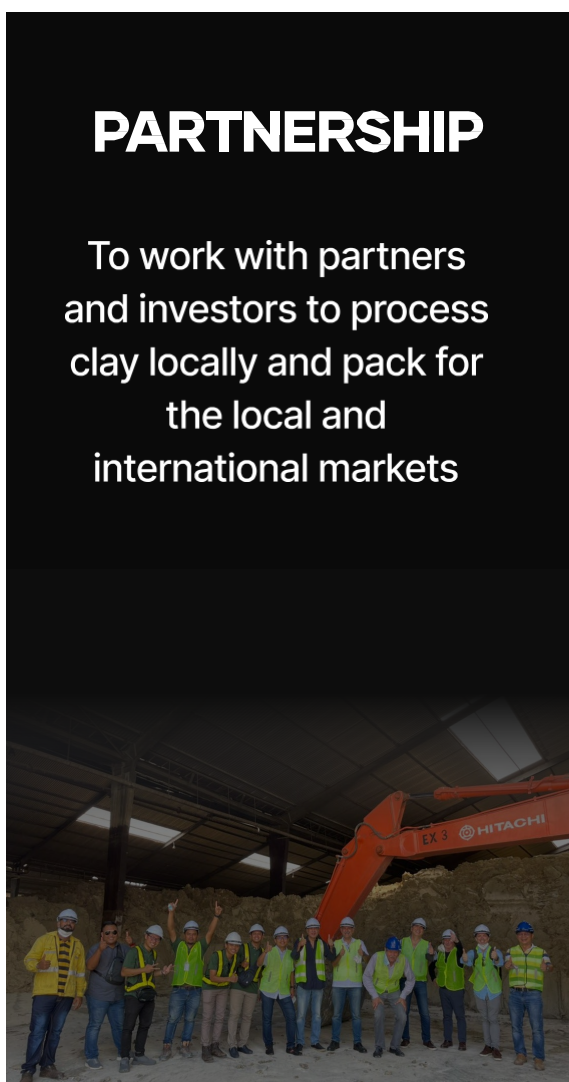
QUALITY

We aim to supply the highest quality ball clay for our local and as well as the international market



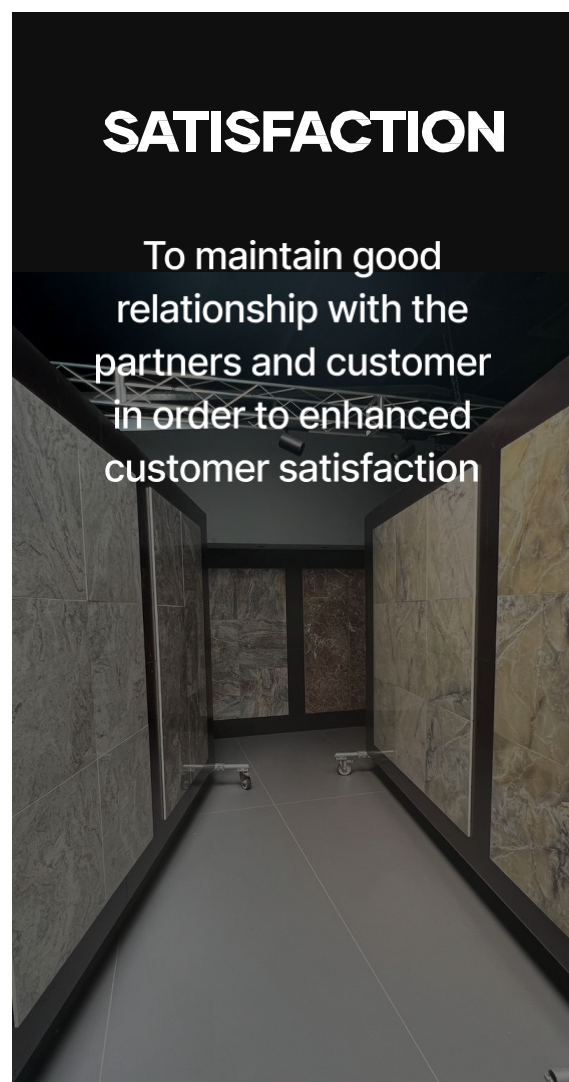
PARTNERSHIP

To work with partners and investors to process clay locally and pack for the local and international markets



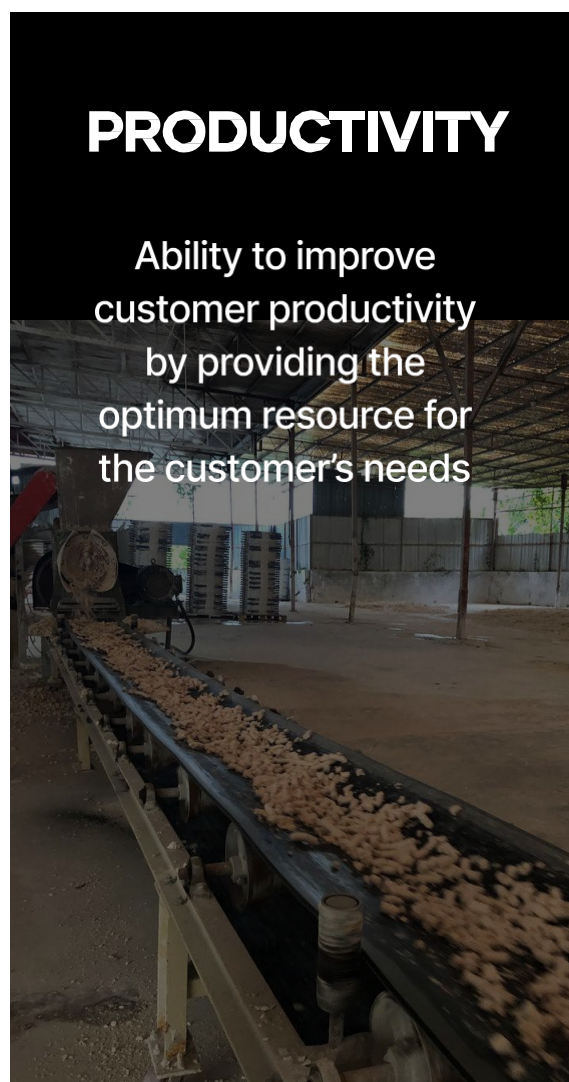
SATISFACTION

To maintain good relationship with the partners and customer in order to enhanced customer satisfaction



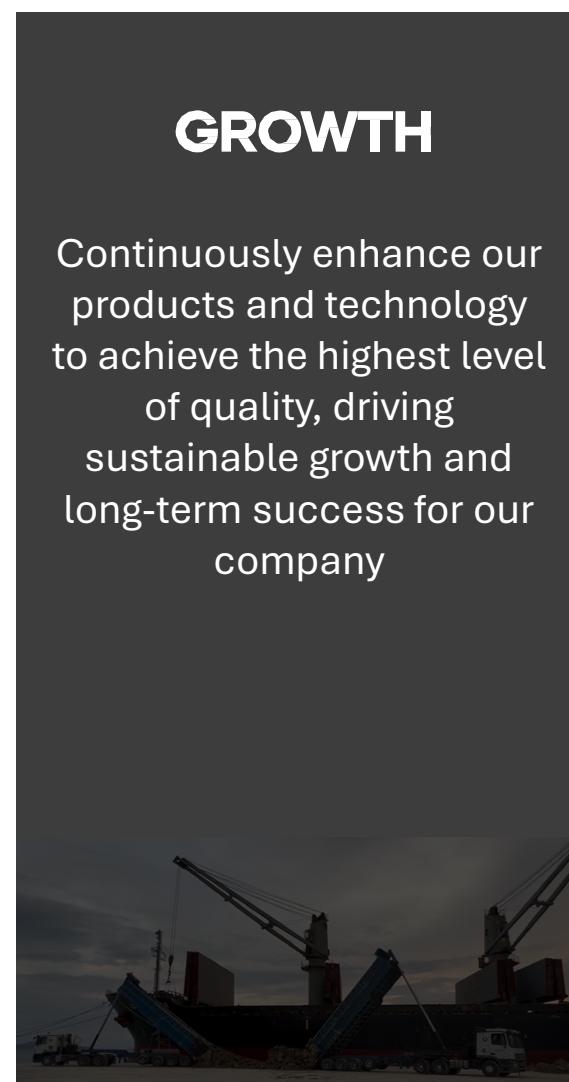
PRODUCTIVITY

Ability to improve customer productivity by providing the optimum resource for the customer's needs

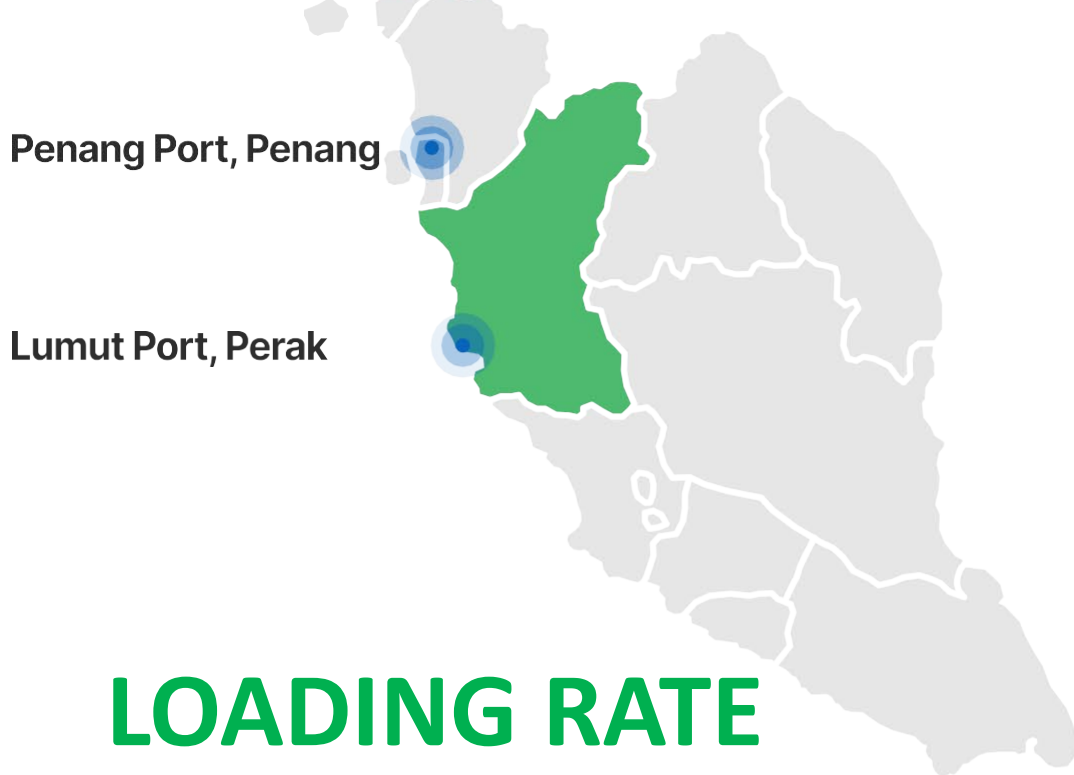


GROWTH

Continuously enhance our products and technology to achieve the highest level of quality, driving sustainable growth and long-term success for our company



PORT USED



Penang Port, Penang

Lumut Port, Perak

MALAYSIA

LOADING RATE (BULK SHIPMENT)

Penang Port : 5,000-7,000mt/day

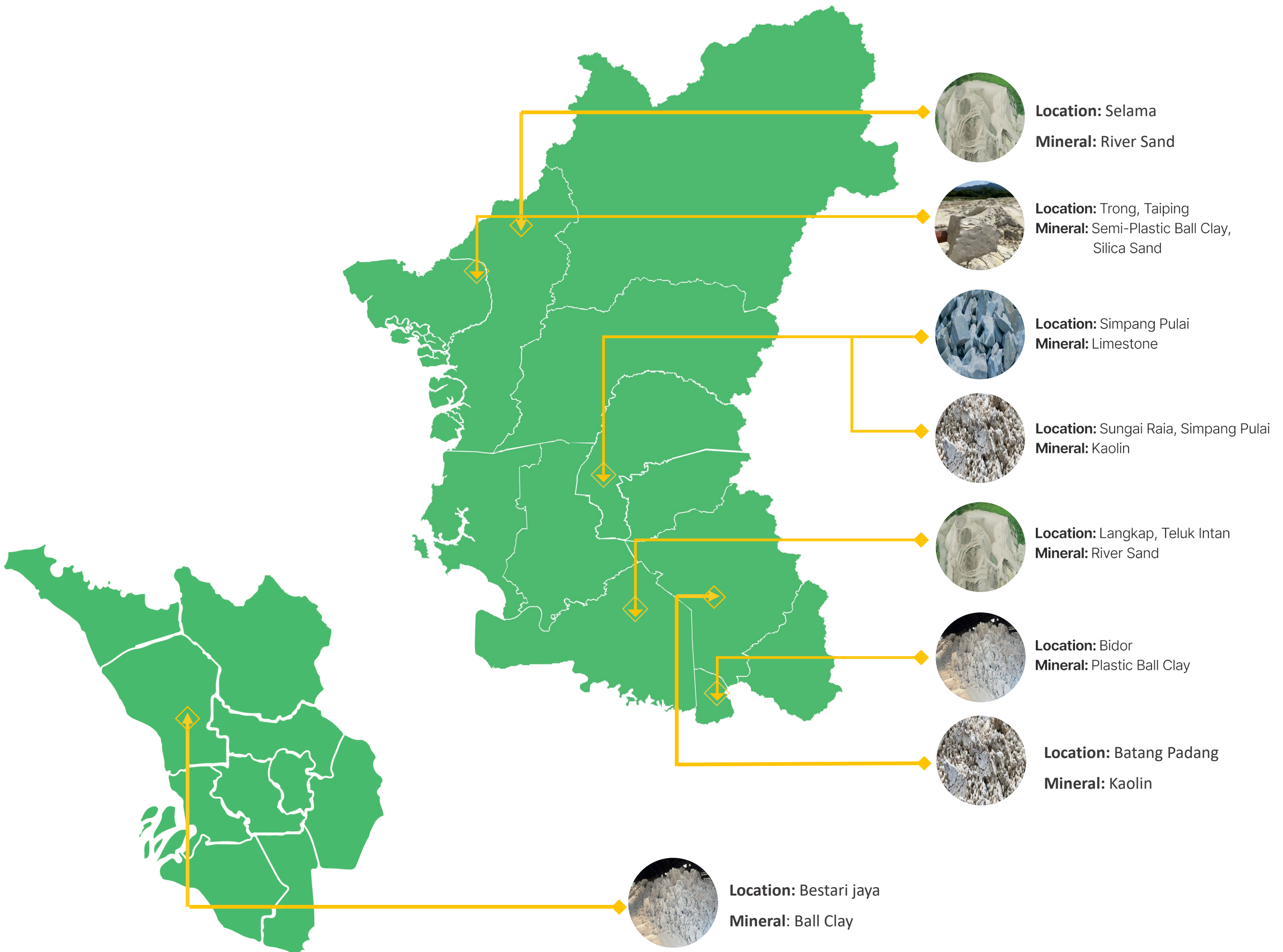
Lumut Port : 4,000-5,000mt/day

**Depending on product*

Container shipment are provided upon request

SITE LOCATION

Modkha Marine operates eight dedicated mining sites, each serving a specific purpose to ensure consistent supply and product excellence. With modern tools, advanced infrastructure, and the right technology, we are steadily moving towards our vision of becoming a global leader in raw and processed materials. To support seamless export, we strategically utilize Penang Port and Lumut Port—maximizing cost efficiency, speed, and flexibility for our global clients.



Location: Selama
Mineral: River Sand



Location: Trong, Taiping
Mineral: Semi-Plastic Ball Clay,
Silica Sand



Location: Simpang Pulai
Mineral: Limestone



Location: Sungai Raia, Simpang Pulai
Mineral: Kaolin



Location: Langkap, Teluk Intan
Mineral: River Sand



Location: Bidor
Mineral: Plastic Ball Clay



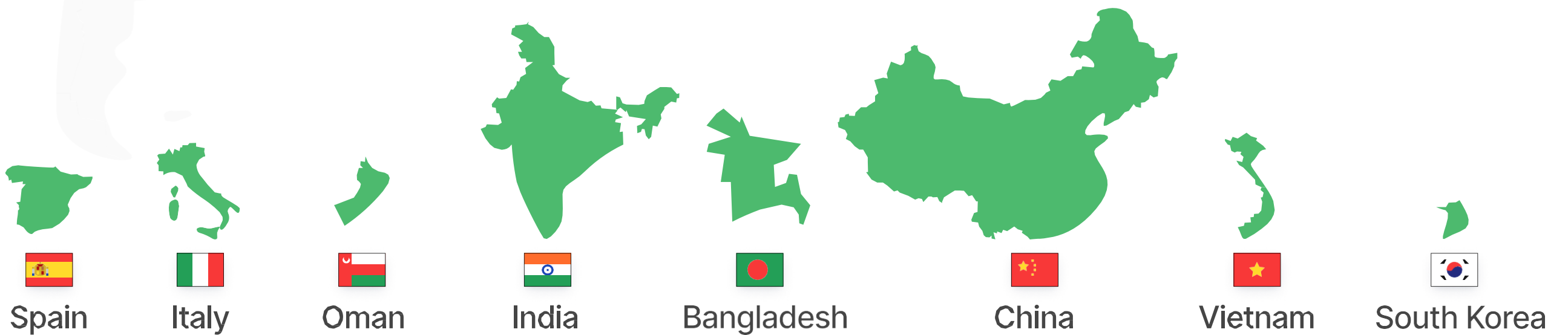
Location: Batang Padang
Mineral: Kaolin



Location: Bestari Jaya
Mineral: Ball Clay

OUR CLIENTS

Our products are actively exported to key international markets including Italy, Spain, South Korea, India, Oman, and Bangladesh. With every shipment, we strengthen relationships and continue to earn the trust of our global customers.

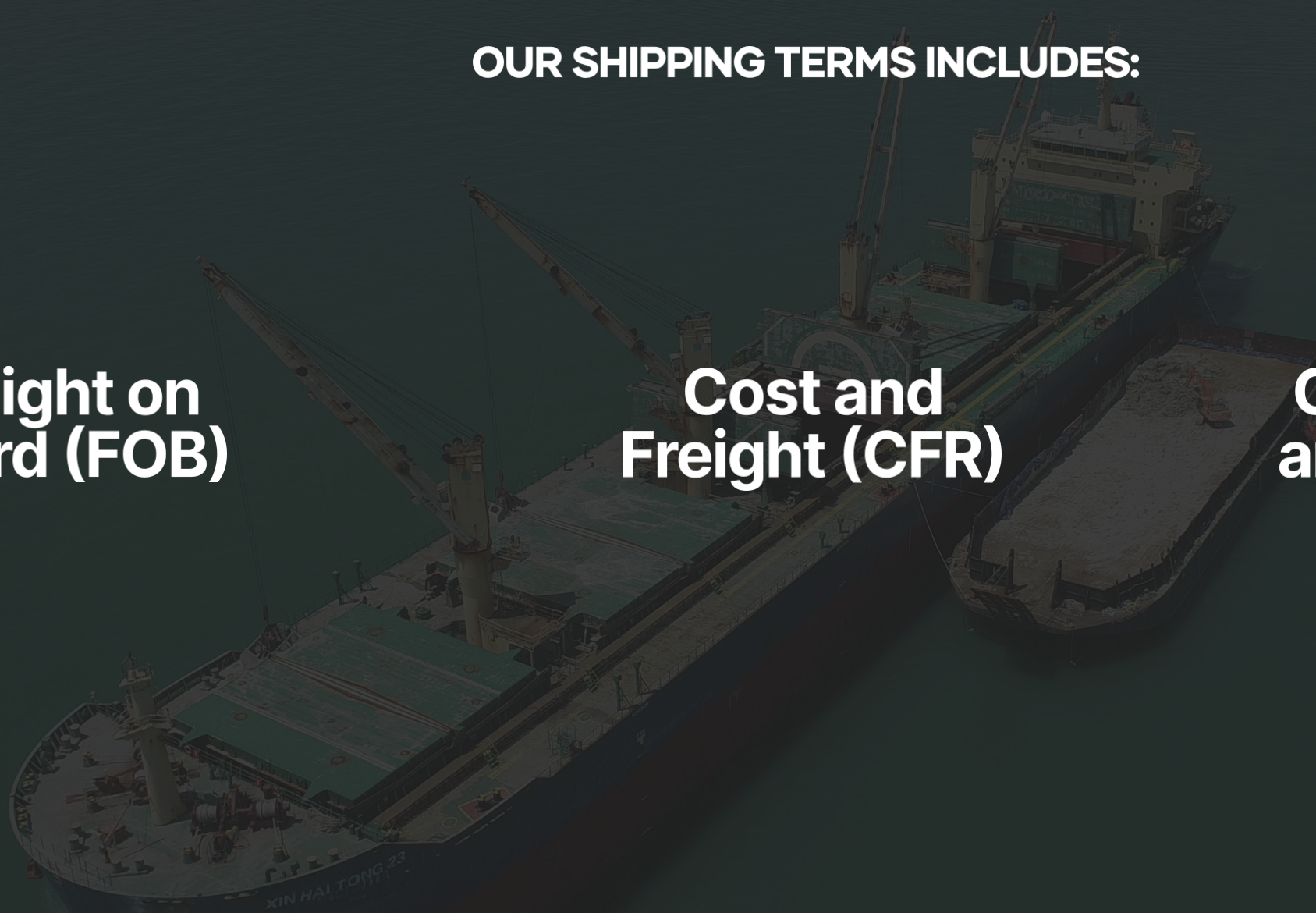


OUR SHIPPING TERMS INCLUDES:

Freight on Board (FOB)

Cost and Freight (CFR)

Cost, Insurance and Freight (CIF)



LIST OF PRODUCTS



SEMI PLASTIC BALL CLAY

ABOUT

Semi Plastic Ball Clay is a unique mineral, found in only a few locations globally and highly sought after by major players in the ceramic industry. Renowned for its superior bonding qualities, tensile strength, and plasticity, it is an essential ingredient in high-performance ceramic production.

Our ball clay is trusted by leading ceramic manufacturers worldwide for producing sanitaryware, tableware, tiles, large surfaces, and technical ceramics.

END PRODUCTS



ANALYSIS

Physical Properties

Moisture (%)	: 29.7
Dry MOR (N/mm ²)	: 3.3
Breaking Strength (N)	: 95.4
Fired MOR (N/mm ²)	: 26.3
Breaking Strength (N)	: 569.9
Fired Shrinkage(%)	: 10.1
Weight Loss (%)	: 12.8
Water Absorption (%)	: 7.7

Fired Color Value at 1200°C

L	: 87.3 (+/-2.0)
a	: 2.2 (+/-0.02)
b	: 10.1 (+/-2.0)
WI	: 22.9 (+/-2.0)

Chemical Analysis (%)

SiO ₂	: 46.20 (+/-2.0)
AL ₂ O ₃	: 36.44 (+/-2.0)
TiO ₂	: 0.74 (+/-0.20)
Fe ₂ O ₃	: 1.22 (+/-0.20)
Na ₂ O	: 0.01 (+/-0.20)
K ₂ O	: 1.68 (+/-0.20)
CaO	: 0.09 (+/-0.20)
MgO	: 0.20 (+/-0.20)
P ₂ O ₅	: 0.18 (+/-0.20)
MnO	: 0.01 (+/-0.20)
Cr ₂ O ₃	: 0.01 (+/-0.20)
ZrO ₂	: 0.02 (+/-0.20)
HfO ₂	: <0.01 (+/-0.20)
SO ₃	: <0.01 (+/-0.20)
SrO	: 0.01 (+/-0.20)
Loss on Ignition at 1025°C	: 13.3 (+/-2.0)

The products are based on naturally occurring raw materials, data shown above are for reference only. Slight variation may occur

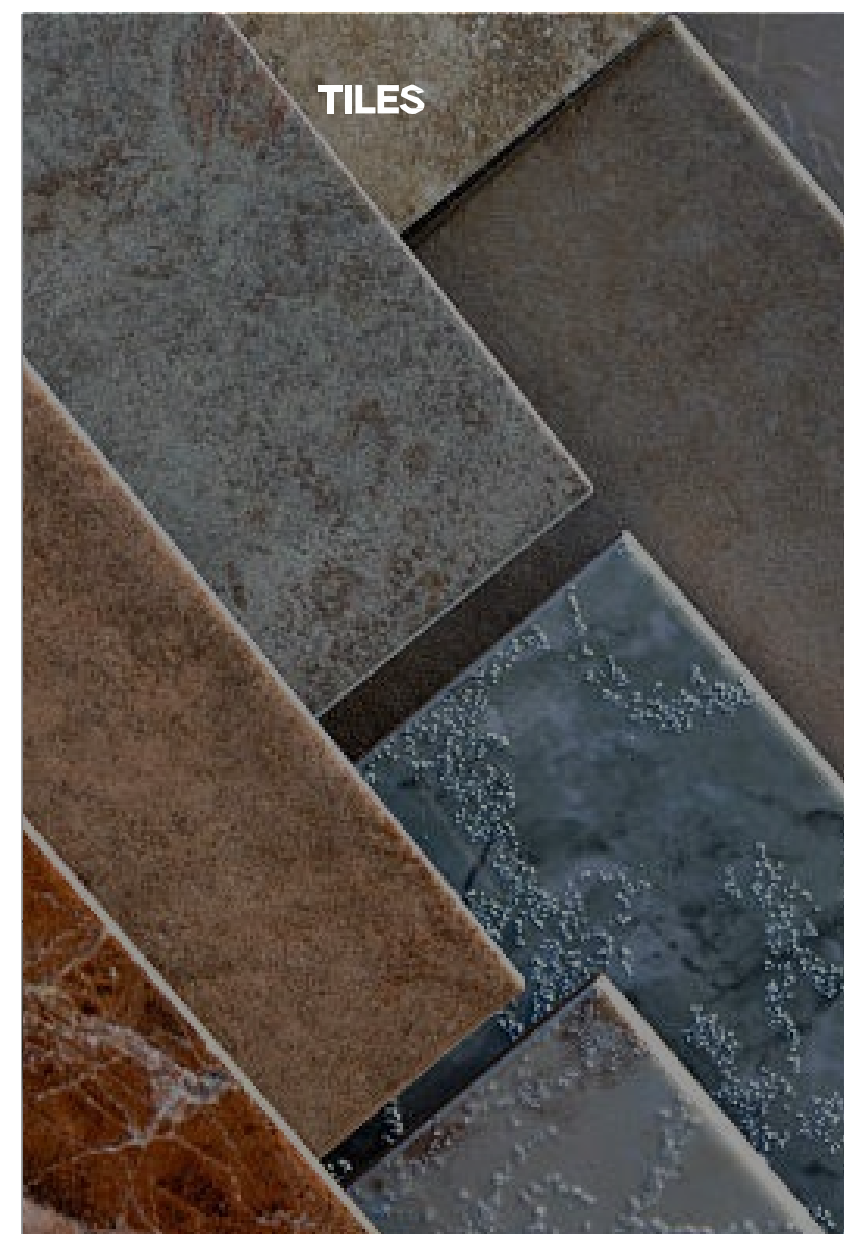
SANITARYWARE



TABLEWARE



TILES



PLASTIC BALL CLAY

Physical Properties

Moisture (%)	: 29.8%
Dry MOR (N/mm ²)	: 2.9
Breaking Strength (N)	: 98.8
Fired MOR (N/mm ²)	: 25.1
Breaking Strength (N)	: 583.3
Fired Shrinkage(%)	: 13.8
Weight Loss (%)	: 15.4
Water Absorption (%)	: 7.6

Fired Color Value at 1200°C

L	: 90.4 (+/-2.0)
a	: 1.5 (+/-0.02)
b	: 21.2 (+/-2.0)
WI	: 22.9 (+/-2.0)

Chemical Analysis (%)

SiO ₂	: 42.45 (+/-2.0)
AL ₂ O ₃	: 38.47 (+/-2.0)
TiO ₂	: 0.74 (+/-0.20)
Fe ₂ O ₃	: 1.10 (+/-0.20)
Na ₂ O	: 0.06 (+/-0.20)
K ₂ O	: 1.07 (+/-0.20)
CaO	: 0.15 (+/-0.20)
MgO	: 0.25 (+/-0.20)
P ₂ O ₅	: 0.05 (+/-0.20)
MnO	: 0.01 (+/-0.20)
Cr ₂ O ₃	: 0.01 (+/-0.20)
ZrO ₂	: 0.02 (+/-0.20)
HfO ₂	: <0.01 (+/-0.20)
SO ₃	: <0.01 (+/-0.20)
SrO	: 0.01 (+/-0.20)
Loss on Ignition at 1025°C	: 15.9 (+/-2.0)

The products are based on naturally occurring raw materials, data shown above are for reference only. Slight variation may occur

ABOUT

Plastic Ball Clays are highly plastic, fine-grained, and impermeable, making them ideal for porcelain, stoneware, earthenware, casting slips, and pressing bodies. Their unique combination of high firing temperature, high dry shrinkage, strong green strength, and controlled slow drying ensures superior performance throughout the ceramic manufacturing process. This consistency has made Plastic Ball Clay one of the most reliable and versatile materials in the ceramic industry.

END PRODUCTS

REFRACTORY CLAY

CONSTRUCTION CERAMIC

GLAZES

ENGOBES

KAOLIN

ABOUT

Kaolin, also known as China Clay, is a soft, white mineral valued for its versatility and safety. Its applications span across ceramics, coated paper, plastics, rubber, paint, ink, fiberglass, cosmetics, and pharmaceuticals. It has also been used in food additives and oral care products such as toothpaste. Historically, Kaolin was the active ingredient in the anti-diarrheal medicine Kaopectate.

Chemical Analysis (%)

SiO ₂	: 46.82 (+/-2.0)
Al ₂ O ₃	: 34.77 (+/-2.0)
Fe ₂ O ₃	: 0.481 (+/-0.20)
TiO ₂	: 0.520 (+/-0.20)
K ₂ O	: 2.52 (+/-0.20)
Na ₂ O	: 0.015 (+/-0.02)
MgO	: 0.204 (+/-0.20)
CaO	: 0.026 (+/-0.02)
SO ₃	: 0.029 (+/-0.02)
Pb	: 0.005 (+/-0.02)
Zn	: 0.003 (+/-0.02)
LOI	: 12.61 (+/-2.0)
Whiteness (1200 °C)	: 87.2

The products are based on naturally occurring raw materials, data shown above are for reference only. Slight variation may occur

END PRODUCTS

MEDICINE



COSMETICS



PAINT



FIBREGLASS



LIMESTONE

ABOUT

Limestone is a highly versatile mineral, integral to numerous industries worldwide. It is extensively used in the production of Portland cement and serves as a key aggregate in concrete and asphalt. Certain varieties of limestone possess an exceptionally fine grain, making them particularly suitable for architectural uses such as wall cladding, decorative trim, and veneer. While its porosity and softness limit its use as a sculptural medium, limestone remains a dependable base material with enduring value across diverse applications.

Chemical Analysis (%)

CaO	: 54.53
CaCO ₃	: 97.27
MgO	: 0.52
SiO ₂	: 0.35
Fe ₂ O ₃	: 0.12
Al ₂ O ₃	: 0.33

The products are based on naturally occurring raw materials, data shown above are for reference only. Slight variation may occur

END PRODUCTS

MORTAR

GLASS

CONCRETE BUILDINGS

ROADS

TIN

ABOUT

Tin is a soft, silvery-white metal distinguished by its excellent ductility and relatively low hardness. At elevated temperatures, tin can be processed into extremely thin foils, sometimes less than 0.04 mm thick, making it one of the most adaptable industrial metals. Pure tin is commonly used as a coating material, valued for its protective properties and wide range of applications. Its versatility spans across multiple industries, including food processing, machinery, electrical appliances, automotive, and aerospace sectors, where reliability and performance are paramount.

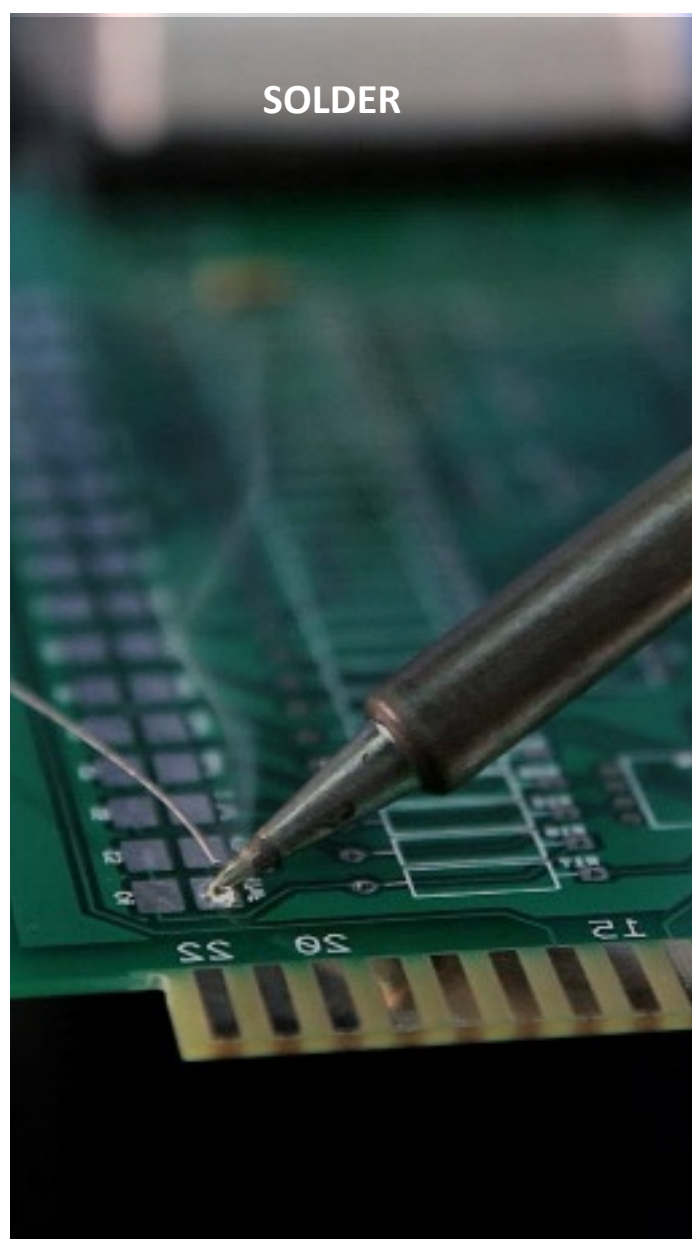
Chemical Analysis (%)

SnO ₂	: > 50%
Cu	: ≤0.30%
Sb	: ≤0.30%
F	: ≤0.10%
Bi	: ≤0.10%
As	: ≤1.50%
Pb	: ≤1.00%

The products are based on naturally occurring raw materials, data shown above are for reference only. Slight variation may occur

END PRODUCTS

SOLDER



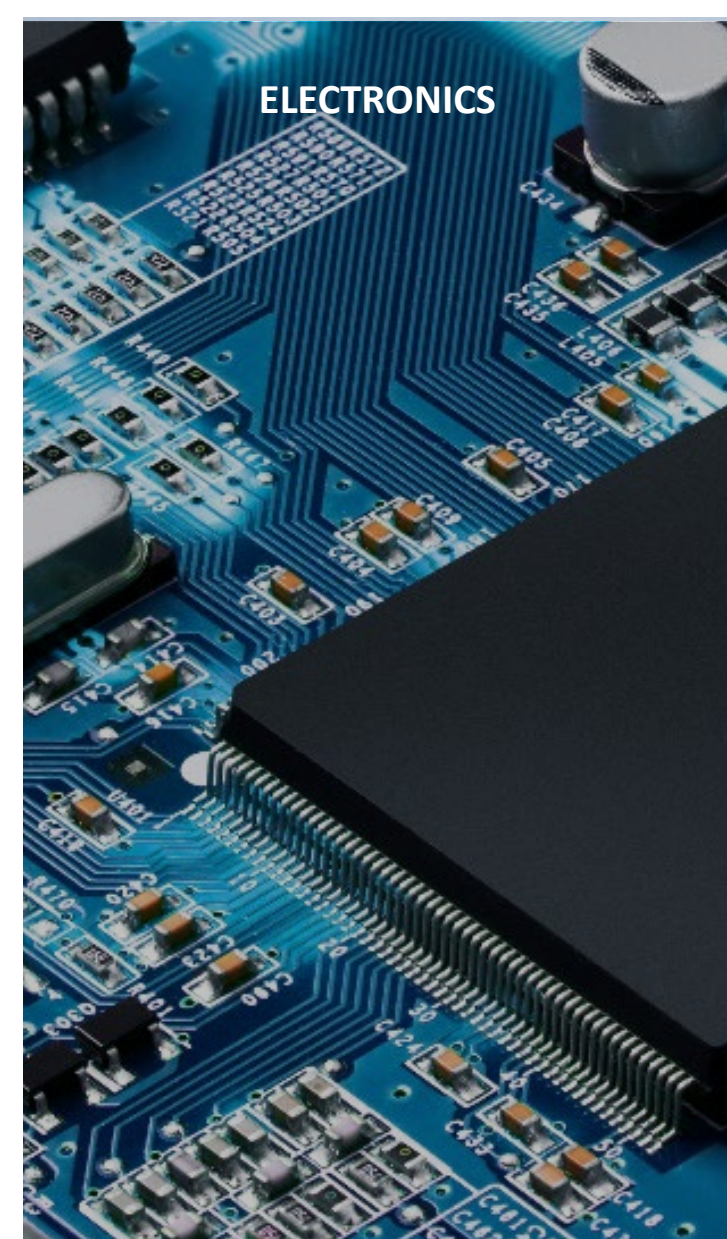
TINPLATE



METAL ALLOYS



ELECTRONICS



RIVER SAND

ABOUT

River Sand is primarily composed of rounded particles, shaped over time by natural water flow. Its fine consistency and naturally low clay and silt content resulting from years of sedimentation and water washing, make it one of the most reliable building materials. As a result, river sand has become an essential raw material in the construction industry, widely used for concrete and cement production. Its quality, strength, and consistency make it the preferred choice for builders and contractors seeking dependable performance in structural applications.

END PRODUCTS

Chemical Analysis (%)

Cl	: 0.006
So3	: 0.022
SiO2	: 94.30
Al2O3	: 3.18
Fe2O3	: 0.89
CaO	: 0.084
MgO	: 0.257
LOI	: 2.20
Fine Modulus	: 2.7
Water Soluble Chloride	: 0.8mg/L
Water Soluble Sulphate	: 0.12mg/L

The products are based on naturally occurring raw materials, data shown above are for reference only. Slight variation may occur

SAND BUILDING



PLASTERING SAND



FILL SAND



CEMENT & CONCRETE





MODKHA MARINE SDN BHD

📍 XPERTS Base, B3-3,Block B,
Jalan Radius 1/1B, Off Jalan Teknokrat 2,
Radius Business Park, Cyber 4,
63000 Cyberjaya, Selangor.

🌐 www.modkhamarine.com
✉ salesmanager@modkhamarine.com
☎ +603 8800 8377
📞 +6012 233 7446/6012 342 1277

