

KALPATARU ENGINEERING INDUSTRIES

CONVEYOR MANUFACTURING EXPERTS

With around **three decades of experience**, Kalpataru Engineering Industries, **based out of Kolkata**, is a **leading manufacturer of bulk material handling systems**. Operating through **four fully-equipped factories** in Kolkata, we **specialize in conveyor design & manufacturing** and provide a wide range of solutions including **conveyors, feeders, flow-control gates, automation and pneumatic systems** for industries such as **cement, steel, chemical, power, warehousing, agriculture and mining**. Backed by strong **in-house design and engineering** capabilities, Kalpataru delivers highly **customized, efficient, and durable systems** tailored to demanding industrial environments. Our commitment to **quality, innovation and client satisfaction** has earned us a trusted name in the material handling industry.



CONVEYOR PRODUCT CATALOGUE

HEAVY DUTY BELT CONVEYORS

Kalpataru manufactures Belt Conveyors for **efficient, high-capacity transport of bulk materials**. Designed for tough industrial conditions, these conveyors feature **rugged construction, durable belts, and reliable drive systems**. Ideal for **every industry** we have supplies in all major industries like **cement, chemical, mining, power, and steel industries**, they are **customizable in size, speed, and configuration** to suit various material handling needs with minimal maintenance and long service life.

In Pic. Troughed Belt Conveyor for Bulk material handling



WE HAVE LISTED SOME OF OUR BELT CONVEYOR SYSTEMS

At KALPATARU Engineering, we design and manufacture a wide range of belt conveyors, tailored to meet the specific application requirements of our clients across various industries like **steel, cement, mining, chemical, agriculture, pharmaceutical, etc..** With around **three decades of experience** in delivering reliable and efficient belt conveyor systems, we have established a strong reputation in the market. Our commitment to **quality, focus on innovation and on-time delivery** has made **KALPATARU** a trusted name in the field of material handling solutions.

TRAVELLING TRIPPER BELT CONVEYOR

Kalpataru offers reliable and high-performance **Travelling Trippers designed for automated, uniform material distribution** along the length of a conveyor system. Built for **heavy-duty use** in industries like **cement, steel, power and mining**, these trippers travel on rails over the conveyor structure, enabling controlled discharge at multiple points. With **sturdy construction, smooth movement, and motorized operation**, they ensure efficient bulk handling with reduced manpower and increased productivity.

In Pic. our Travelling Tripper in a Steel Plant



HIGH ANGLE BELT CONVEYOR

KALPATARU's **steep angle belt conveyors** are engineered to transport bulk materials at high inclinations without spillage or rollback. Designed with **cleated or corrugated sidewall belts**, our steep angle conveyors ensure **maximum material retention and stability, even at steep angles**. With a focus on durability, efficiency, and low maintenance, Kalpataru's steep angle conveyors are perfect for industries like **steel, cement, chemical, mining & power**.

In Pic. Kalpataru's Steep Angle Conveyor



BELT FEEDERS

Kalpataru Engineering Industries manufactures precise and rugged Belt Feeders for **controlled, consistent feeding of bulk materials to downstream equipment. Used across all industries**, these feeders are versatile equipment built with heavy-duty belts and reliable drives to handle the most abrasive and heavy materials. Designed for smooth, regulated flow, they help **optimize process efficiency and are available in various sizes and capacities** to suit specific plant requirements.

In Pic. Belt Feeders for volumetric feeding



SHUTTLE BELT CONVEYOR

Kalpataru Engineering offers robust and versatile Shuttle Belt Conveyors designed for **precise, multi-point loading or stacking of bulk materials**. Mounted on rails, these conveyors can move back and forth to distribute material **evenly across storage areas or bins**. Ideal for **cement, power, steel, chemical and mining industries**, they handle **high capacities with smooth, automated operation**. Built for durability and flexibility, they are fully customizable to match plant layouts and bulk handling needs.

In Pic. Shuttle Conveyor supplied to JSPL, Raigarh



IDLER BRACKETS

Kalpataru manufactures robust and precision-aligned conveyor idler frames designed to **support and guide conveyor belts** for optimal performance and longevity. Our idler frames are built to withstand **heavy loads and harsh working conditions**, ensuring smooth belt tracking and minimal wear. Available in various configurations—including **carrying, return, impact, and training idlers**.

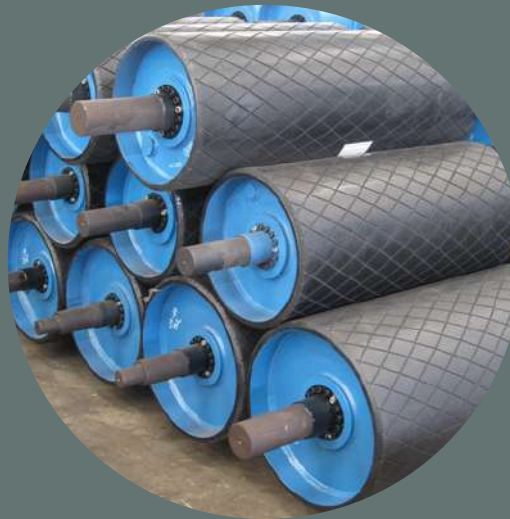
Kalpataru idler frames manufactured upto 2000mm belt width



CONVEYOR PULLEYS

Kalpataru offers a wide range of high-performance belt conveyor pulleys designed to **drive, redirect, and maintain tension** in conveyor systems. Engineered for strength and reliability, our pulleys are suitable for both **light and heavy-duty applications** across **mining, manufacturing, ports, and process industries**. Available in **head, tail, bend, take-up, and snub pulley configurations**, each unit is built with precision-machined components and balanced for smooth rotation and extended service life.

Kalpataru Pulleys manufactured upto 800mm Diameter



CONVEYOR ROLLER

Kalpataru manufactures high-quality conveyor idlers that ensure smooth belt movement and efficient bulk material transport. Engineered for durability and precision, our idlers are built to reduce friction, minimize belt wear, and support heavy loads in demanding operating conditions. We offer a full range of idlers including **carrying, return, impact, training, and transition types**—upto **200mm BW** and fitted with **SKF bearings**, each tailored to specific applications and environmental challenges.

Kalpataru Conveyor Rollers manufactured upto 2000mm belt width



BELT WEIGH FEEDER

Kalpataru Engineering Industries provides accurate and reliable Belt Weigh Feeders for **continuous weighing and controlled feeding of bulk materials** in processes requiring **precise flow regulation**. Ideal for process industries, these systems combine a **conveyor belt with an integrated weighing system** and speed control to ensure consistent material feed. Engineered for durability and accuracy, Kalpataru's belt weigh feeders enhance process efficiency and are **customizable to suit various material types and capacities**.

Kalpataru Belt Weigh Feeders



KALPATARU WEIGHING SOLUTIONS

KALPATARU Engineering's weigh feeders are precision-controlled systems designed to **accurately measure and regulate** the flow rate of bulk materials in real-time. Ideal for **continuous process industries**, our weigh feeders ensure **consistent feeding and precise material dosing**, contributing to **improved process efficiency and product quality**.



WEIGH SCREW

Kalpataru offers precision engineered **WeighScrews** for **accurate, continuous weighing and feeding** of bulk materials such as **powders and granules**. Integrating a **screw conveyor with a weighing system**, these units ensure consistent material flow while providing **real time weight measurement**. Ideal for industries like **cement, steel, pharma, chemicals and food processing**, Kalpataru's weigh screws are built for durability, easy integration, and high accuracy.

DRAG CHAIN CONVEYOR

Kalpataru Engineering Industries offers robust Drag Chain Conveyors designed for the efficient handling of bulk materials such as **ash, cement, soda, grains, chemicals, coal and minerals**. These conveyors move material through a sealed, dust-tight housing using **hardened forged chain** links, making them **ideal for abrasive or high-temperature** environments. With low maintenance and high durability, Kalpataru's drag chain conveyors are widely used in **cement, power, steel and process** industries for safe, controlled, and continuous material transfer.

In Pic. Chain Conveyor for Adani Cement



WE HAVE LISTED SOME OF OUR CHAIN CONVEYOR SYSTEMS

We design and manufacture a **wide variety of chain conveyors** depending on the applications requirements of our clients. Our chain conveyors are in use across c=various industries like **steel, cement, power, paper, etc.** We have around **3 decades of experience** in the manufacturing and supply of chain conveyor systems. We have managed to create a brand in the market due to our focus on **quality, innovation and timely delivery.**

ROLLER CHAIN CONVEYOR

Kalpataru Engineering Industries designs and manufactures robust Roller Chain Conveyors engineered for efficient and reliable bulk material transfer. These conveyors feature a **high-strength roller chain** drive system that ensures **smooth, continuous operation even under heavy loads and harsh conditions**. Ideal for **coarser materials and used across industries**, they offer excellent traction and durability in both horizontal and inclined installations, with **lower power requirements and long service life.**

In Pic. Roller Chain Conveyor to supplied to BHEL



WET SCRAPER CONVEYOR

Kalpataru provides heavy-duty Wet Scraper Conveyors designed for handling **hot, abrasive, or moist bulk materials**—especially **bottom ash from boilers in power plants**. These systems use a chain-driven submerged scraper mechanism to transport material through a water bath. **Lined with cast basalt** these scrapers are used across industries like steel, power and glass. Built for continuous and low-maintenance operation, Our submerged scraper systems are reliable solutions for ash handling and similar high-temperature material transfer needs.

In Pic: Our Double Deck Wet Scraper in Gujarat



SLAT CHAIN CONVEYOR

Kalpataru offers durable and efficient Slat Chain Conveyors designed for **handling heavy loads and unitized materials in industrial environments**. These conveyors use **steel slats (formed/ hinged) mounted on roller chains** to provide a strong, flat conveying surface—ideal for **transferring hot, oily, or sharp-edged items**. Widely used in **automotive, foundry, and assembly line applications**, Kalpataru's slat chain conveyors are customizable, low-maintenance and built for long-lasting and smooth operation.

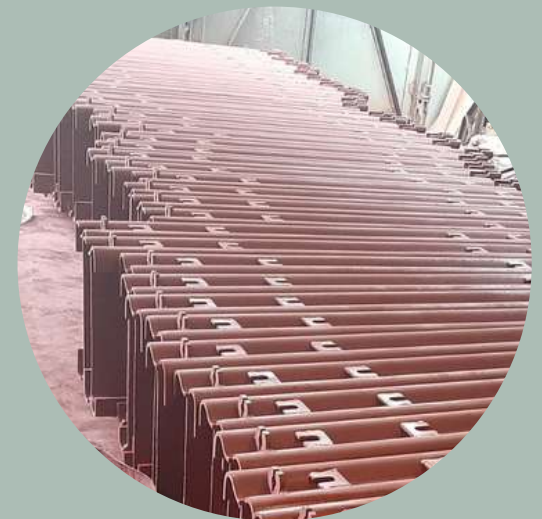
In Pic. Slat Conveyor for foundry application



UNDERGROUND MINING SCRAPER CHAIN CONVEYOR

Kalpataru manufactures **heavy-duty Mining Chain Conveyors** designed for reliable and efficient transport of bulk materials like coal, ores, and overburden in harsh mining environments. Built with **rugged components and high-strength chains**, these conveyors ensure smooth material flow even under extreme loads. Ideal for **underground and surface mining applications**, they offer **high capacity, low maintenance, and long service life** making them an ideal solution for continuous mining operations.

In Pic. LDCC supplied to SAIL Jitpur colliery for underground mining



HINGE APRON CONVEYOR

Kalpataru Engineering Industries offers rugged and high-performance Hinge Apron Conveyors designed for **transporting heavy, hot, or sharp-edged materials in harsh industrial environments**. These conveyors use **interlocking metal plates (hinged aprons) mounted on heavy-duty chains**, providing a durable conveying surface ideal for **metal scrap, forging parts, or slag**. Widely used in **steel plants, foundries, and recycling facilities**, Kalpataru's hinge apron conveyors ensure smooth, reliable operation with minimal spillage and are built for **long service life under tough operating conditions**.

In Pic. KEI Apron Conveyor for a foundry



MAGNETIC CHIP CONVEYOR

Kalpataru Engineering Industries manufactures reliable and efficient Magnetic Conveyors for the **safe and automated transport of ferrous materials**. These conveyors use integrated magnets to securely move **metal parts, scrap, or fines without spillage or manual handling**. Ideal for industries like **steel, metalworking, recycling and machining**, Kalpataru's magnetic conveyors ensure smooth, contamination-free operation—even in **inclined or vertical applications**—while offering robust construction, low maintenance, and customizable designs to suit various industrial needs.

ROLLER CHAIN LINKS

Kalpataru's Roller Conveyor Chains are engineered for smooth and efficient material movement across manufacturing and assembly lines. **Designed with precision rollers and high-strength links**, they ensure **low friction, reduced wear, and long service life**. Suitable for medium to heavy-duty applications in various industries.

Kalpataru Roller Conveyor Chain



FORGED CHAIN LINKS

Flat forged chain Links are used in difficult applications and are suitable for **medium to heavy duty applications**. Kalpataru flat links are forged in **101,142/42, 142/62, 200 mm** pitch for use in our scrapper conveyors. These chains are built to last under extreme conditions, **from high temperatures to high abrasion**, these chains are built to withstand.

Kalpataru 20MnCr5 Flat Forged Chain Links



SHACKLE ROUND CHAIN LINKS

Kalpataru Butt welded round links are amongst the oldest chain links to be used. The relative ease of production and its cost make it an attractive alternative. Such links are frequently used in underground mining conveyors.

Kalpataru Round Shackle Links





KALPATARU BUCKET ELEVATORS

Kalpataru specializes in providing high-quality, and efficient bucket elevators tailored to meet the specific needs of various industries such as **chemical, cement, mining, steel, food processing, and agriculture**. Our bucket elevators are designed for high capacity and minimal maintenance, ensuring smooth vertical transportation of a wide range of materials. Kalpataru **offers centrifugal and continuous, discharge bucket elevators** to handle materials ranging from delicate to heavy and abrasive.

**In Pic. KEI Bucket Elevator in
a Steel Plant**



BUCKET ELEVATOR SPARES

Kalpataru supplies a complete range of bucket elevator spares. Our offerings include **buckets (MS, SS), chains, belts, sprockets, pulleys, bucket bolts, and belt joining clamps**, all manufactured for durability and compatibility with industry-standard systems. These components ensure easy maintenance, reduced downtime, and extended equipment life in continuous material handling operations.

RIBBON BLENDER

Kalpataru manufactures high-performance ribbon blenders designed for efficient and uniform mixing of dry powders, granules, and semi-wet materials. Widely used in industries like **food processing, pharmaceuticals, chemicals, fertilizers, etc.** with helical ribbon agitator that ensures consistent blending with minimal energy consumption. Manufactured in both **MS and SS**.

KEI Ribbon Blender for a Chemical company



SCREW CONVEYOR

Kalpataru offers robust screw conveyors designed for the smooth and controlled movement of bulk materials such as **powders, grains, cement, chemicals, etc.** These conveyors use a rotating helical screw to **transport materials horizontally, vertically, or at an incline.** Built for durability and ease of maintenance, Kalpataru's screw conveyors are **customizable in size, material, and design** to meet diverse industrial needs. Manufactured in both **MS and SS**.

KEI Screw Conveyor for Coal handling



ASH CONDITIONER

Kalpataru offers robust **Hydromix Dust Conditioners**, engineered to efficiently **mix dry fly ash, lime or dust with water**, facilitating safe handling and minimizing airborne particles during disposal. These systems typically combine a screw feeder with a mixing chamber, ensuring thorough blending and consistent moisture content. Ideal for industries like **power, steel and cement manufacturing**,

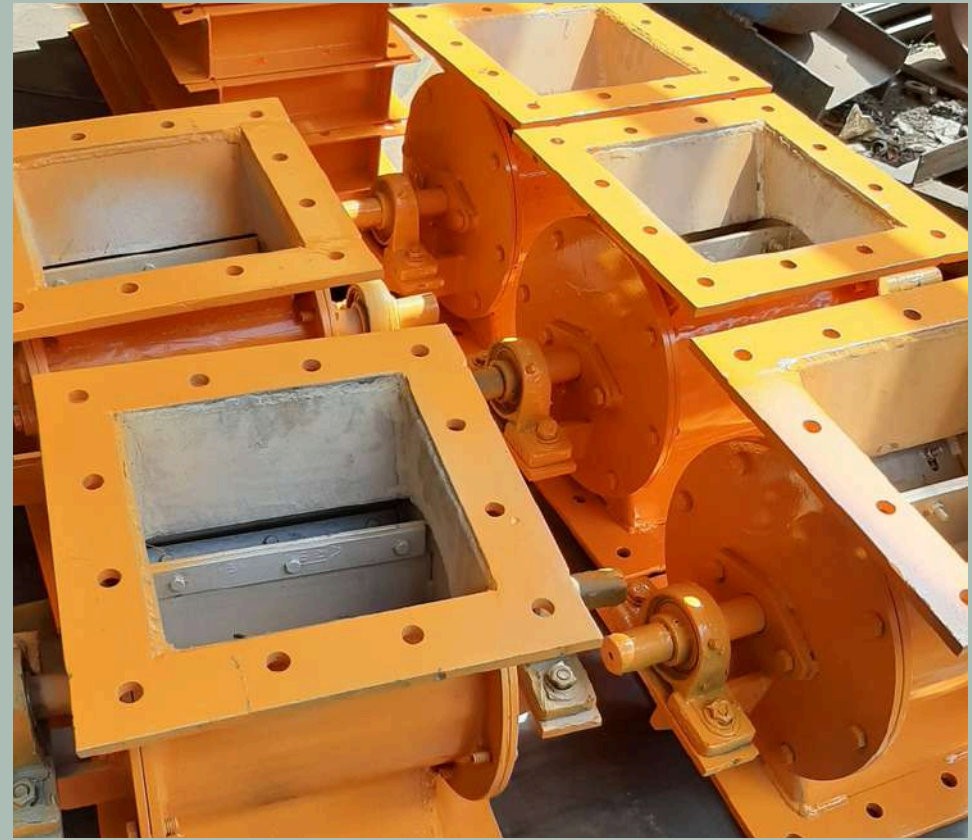
Kalpataru 100TPH Ash Conditioner



PNEUMATIC CONVEYING SYSTEMS

Kalpataru offers both **Dense Phase and Dilute Phase** Pneumatic Conveying Systems, tailored for **efficient, dust-free transport of bulk materials** across industries like **cement, steel, power, pharma, agri and chemicals**. **Dense Phase** is ideal for **abrasive or fragile materials**, using low velocity and high pressure to minimize wear and degradation. **Dilute Phase** suits **light, free-flowing materials**, using high-velocity air for fast, continuous conveying. Both systems are **customizable, energy-efficient, and designed for reliable, low-maintenance performance**.

In Pic. KEI Vessel in Pneumatic Conveying



ROTARY AIRLOCK VALVE

Kalpataru manufactures robust and precision-engineered Rotary Airlock Valves designed for controlled feeding and discharge of bulk materials while maintaining an airtight seal between different pressure zones. These valves are critical components in **pneumatic conveying, dust collection, and feeding systems**, commonly used across industries such as **cement, steel, food, chemical, and power**. Built with heavy-duty construction, Kalpataru's rotary airlocks ensure **consistent material flow, minimal air leakage, and resistance to wear** even with abrasive materials like **fly ash, cement, or minerals**.

TRAVELLING DIVERTER GATE

Kalpataru offers high-capacity Shuttle Diverter Gates designed to handle **upto 4000 TPH** of bulk materials. These gates are **mounted on rail systems** for flexible positioning and are ideal for large scale operations in industries like **cement, mining, steel and power**. Built for durability and minimal maintenance, they ensure efficient material flow diversion into multiple points and seamless integration into existing conveyor systems.

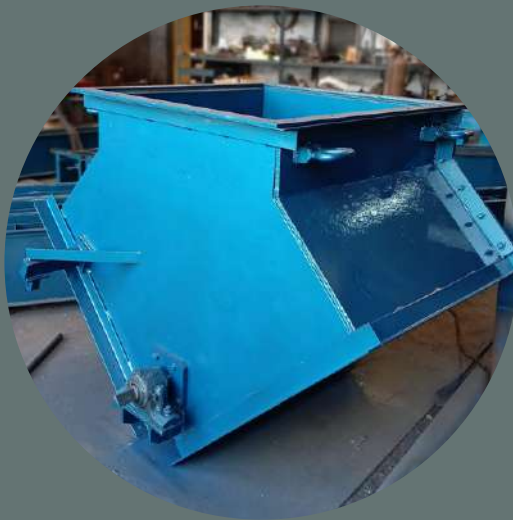
KEI 4200TPH Travelling gate for JSPL



FLAP DIVERTER GATE

Kalpataru Engineering Industries offers durable and efficient Flap Diverter Gates designed for precise material redirection in gravity flow systems. Ideal for handling **powders, pellets, and granular materials**, these gates ensure minimal leakage and long service life. Available in **pneumatic, manual or motorized configurations**, they are perfect for **industries like agriculture, chemical, cement, mining, steel, power, etc** offering reliable performance with low maintenance.

KEI Flap gates for Coal handling



PRISM DIVERTER GATE

Kalpataru offers Prism Gates designed for efficient and accurate redirection of bulk materials from a single source to multiple discharge points. Featuring a unique **prism shaped blade**, these gates ensure smooth, controlled material flow with **minimal leakage** ideal for handling abrasive and powdery materials in industries such as **steel, cement, power, mining, and minerals**. Our prism gates are built with **heavy-duty construction and wear-resistant materials**,

Pic: Kalpataru 1200TPH Prism gate



WAREHOUSE BELT CONVEYORS

Kalpataru offers reliable warehouse conveyor systems designed for efficient movement of **packages, cartons, and pallets in warehouses and fulfillment centers**. Our conveyors support smooth, quiet, and space-saving operations with customizable sizes and layouts. With **optional sensors and diverters** our conveyors are ideal for **packing, sorting, dispatch & receiving areas**

KEI beltcon in ITC Warehouse



KALPATARU WAREHOUSE AUTOMATION

Kalpataru offers a range of conveyor systems and truck loader conveyors designed to streamline material movement and **improve operational efficiency in warehouses**. From modular belt conveyors for **internal handling and sorting** to mobile, height-adjustable **truck loaders** for **fast loading/unloading**, these systems **reduce manual labor** and enhance productivity. Kalpataru's warehouse automation solutions are **ideal for logistics hubs, fulfillment centers, and industrial warehouses**.



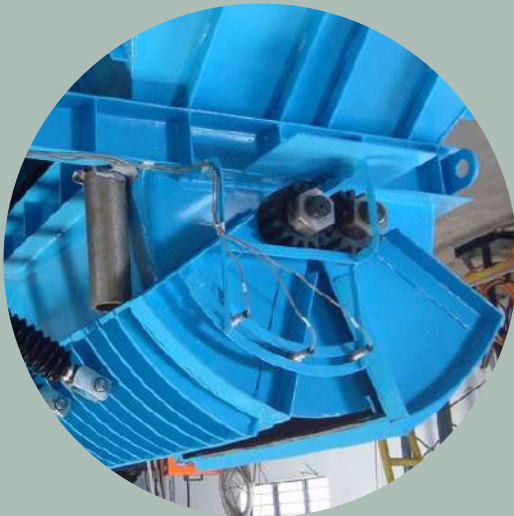
TRUCK LOADERS

Kalpataru's truck loader conveyors are built for fast and efficient **loading and unloading of bags, boxes, and loose materials into trucks and containers**. Designed with mobility, these conveyors feature **single or dual structures, adjustable height, and variable belt speeds** to suit different loading conditions. they significantly **reduce manual effort** and improve productivity in **warehouses, logistics hubs, and industrial dispatch zones**.

SECTOR GATE

Kalpataru manufactures high quality Sector Gates for controlled discharge and diversion of bulk materials in demanding industrial environments. Ideal for **handling abrasive materials like coal, clinker, and aggregates**, these gates are built with **heavy-duty steel construction and wear-resistant liners** for extended durability. Available in both **manual and automated (pneumatic/ electric/ hydraulic)** options, Widely used in **cement, power, steel, and mining industries**.

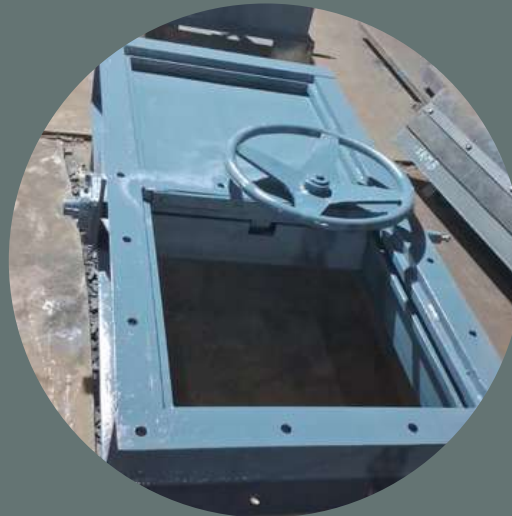
Pic: Our Sector gate for JSW Raigarh



SLIDE GATE

Kalpataru offers slide gates for bulk material handling across industries. Our heavy-duty slide gates **feature wear-resistant steel or stainless steel construction** with **leak-proof sealing** to prevent material spillage and dust emissions. Available with **manual, pneumatic, or electric actuation options**. Ideal for **cement, mining, food, steel and power plant coal/ash systems**, our slide gates deliver reliable flow control with long-lasting performance.

Pic: KEL slide gates for Lime handling



ROD GATE

Kalpataru offers rod gates designed for superior bulk material handling across demanding industrial applications. Our **heavy-duty rod gates feature abrasion-resistant steel construction** with an interlocking rod mechanism that ensures complete, leak-proof shut-off for materials like **cement, fly ash, coal, and ores**. **useful for cement plants, mining operations, power generation, and food/ pharma processing**.

Pic: Kalpataru Rod gate for Iron ore



SOME OF OUR REPUTED CLIENTS



TALK TO US!

46, B.B. Ganguly Street,
Kolkata - 700012, India.

+91 98113 22404

info@kalptaruengineering.com

www.kalptaruengineering.com