

ahlada
Engineering a better tomorrow!



COMPANY **PROFILE**

Where Innovation Meets
**QUALITY,
DESIGN AND
SUSTAINABILITY**

www.ahlada.com

Welcome to the World of Innovation

Unveiling Cutting-Edge Steel Solutions





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Introduction

Welcome to Ahlada, where craftsmanship meets innovation in the realm of steel fabrication. With a proud legacy of 19 years, we have positioned ourselves as leading manufacturers specializing in the production of Steel doors, Steel windows, and bespoke furniture catering to residential, commercial, and industrial sectors. Our dynamic team of 1200 employees, ranging from skilled factory workers to visionary designers, forms the backbone of our operations, infusing each product with dedication and expertise. Spanning across a sprawling 4,50,000 square feet of cutting-edge infrastructure, our state-of-the-art factories boast a formidable plant capacity, enabling us to manufacture

30,000 doors and 50,000 windows monthly. Having installed over 2 million doors and windows to date, we stand as a testament to our unwavering commitment to quality and excellence. At Ahlada, sustainability is not just a buzzword; it's a way of life. We are deeply committed to our planet, integrating eco-friendly practices into every facet of our product and operations. Above all, customer satisfaction remains our top priority, driving us to continuously exceed expectations and forge enduring relationships with our valued clients. Join us on a journey where precision, durability, and unparalleled service converge to redefine the standards of excellence in steel fabrication.



Our Chairman's vision

"Ahlada Engineers Limited started its journey in 2005 serving world-class clients with Stainless Steel Furniture and Equipment for Clean Room applications. We are measured on the most stringent quality compliance norms and we have been maintaining our quality standards since then. We created a culture of being customer-oriented and it is evident from all the happy customers we have. Our long-term association with marque clients is a testimony to our quality.

Change is the only constant in this dynamic market and we embrace change and adoption to suit the ever-changing tastes and preferences of our customers. We are a trusted partner to all the stakeholders in the ecosystem.

Over the years, Ahlada has diversified into different markets by offering a wide range of products for every sector. We seek to offer eco-friendly alternatives to wooden furniture with the main goal of fostering a sustainable future. All our products are made of recyclable material and are eco-friendly.

We honour our commitment to the planet Earth."

Dr. K I Varaprasad Reddy
Chairman



Words from Managing Director

"We are the pioneers in spearheading innovation in the Indian market, introducing a spectrum of new products tailored for both Residential and Commercial sectors. From Steel Door Frames to Door Sets, Steel Windows, and Steel Furniture, our commitment to setting new benchmarks is unwavering. Ahlada has a track record of delivering finest steel doors and windows since 2008.

At Ahlada, we use cutting edge technology to impart wood grain decorative finish to our Steel Doors, Steel Windows and Steel Furniture. Our robust infrastructure and sophisticated machinery keeps us miles ahead of competition in churning out finest quality products.

Our machines and key raw materials are imported from the best suppliers in the world and every raw material that goes into the product is put through rigorous quality checks in our in-house quality lab that performs a variety of tests.

We have a strong research and new product development team that work on ideating and developing new products designed to suit the dynamic tastes of customers; because for us, customer satisfaction is key."

Ch. Suresh Mohan Reddy
Managing Director



Mission

Our mission is to revolutionize the steel industry by continuously pushing the boundaries of innovation and quality. We are committed to providing our customers with superior steel products that exceed expectations, while fostering a culture of integrity, teamwork, and sustainability. Through relentless dedication to excellence and customer satisfaction, we aim to build enduring relationships and inspire trust in every endeavor.

Our cutting-edge technology & advanced machinery combined with modern management policies will pave a way towards achieving this mission. We challenge ourselves to find a better way in everything we do, every single day.

Our goal is to accelerate the advent of sustainable growth by bringing steel products into the mass market. We rise to the challenge to continuously improve our standards for reliability and customer satisfaction. Overall, the company seeks to scale the heights of living for people and work by our motto, **'Engineering a better tomorrow'.**

Vision

"Our vision is to be the foremost global leader in steel solutions, renowned for our unwavering commitment to innovation, quality, and customer satisfaction. We aspire to transform the landscape of construction and design through cutting-edge technology, sustainable practices, and an unwavering dedication to excellence. With a focus on growth, collaboration, and community impact, we strive to shape a brighter, stronger future for generations to come."

Values



Excellence

We strive for superior quality in all aspects of our work, setting high standards and continuously raising the bar.



Integrity

We uphold honesty, transparency, and ethical conduct in all our dealings, fostering trust and credibility.



Innovation

We embrace creativity and innovation to drive continuous improvement and meet evolving market needs.



Customer - Centricity

We prioritize customer satisfaction by delivering attentive service, personalized solutions, and responsiveness.



Teamwork

We value collaboration, diversity, and mutual respect, recognizing the power of teamwork in achieving our goals.



Sustainability

We are committed to environmental responsibility and sustainable practices, minimizing our impact on the planet.



Accountability

We take ownership of our actions, decisions, and their consequences, holding ourselves responsible to our stakeholders.



Continuous Learning

We encourage a culture of ongoing learning and development, fostering curiosity, adaptability, and growth among our team members.

Why us?

At Ahlada, we prioritize providing exceptional service and support to our customers throughout their building projects.

Expert Advice

Our knowledgeable team offers expert advice to meet the specific requirements of each customer, ensuring the right builds for their needs.

Customer-Centric Approach

From personalized design consultations to attentive after-sales support, we ensure a seamless and delightful experience at every step. Customer satisfaction our top priority.

Innovative Customised Door Solutions

With advanced printing and heat transfer technology, our Reflection doors can replicate any image with unmatched precision. This exclusive capability sets us apart as industry leaders.

Warranty and After-Sale Service

We provide warranty of 10 years on manufacturing defects on our products which ensures peace of mind for customers, and our dedicated after-sale service team takes care of any post-installation needs or concerns.

Specification Experts

With 19+ years of expertise, we specialize in product specifications, guiding customers to make informed decisions about locks, accessories, doors, windows, and other products.

Diverse Product Range

Customers have access to a wide range of doors, windows, and other products available in various designs and colors to suit their preferences and requirements.

Qualified Installation Service

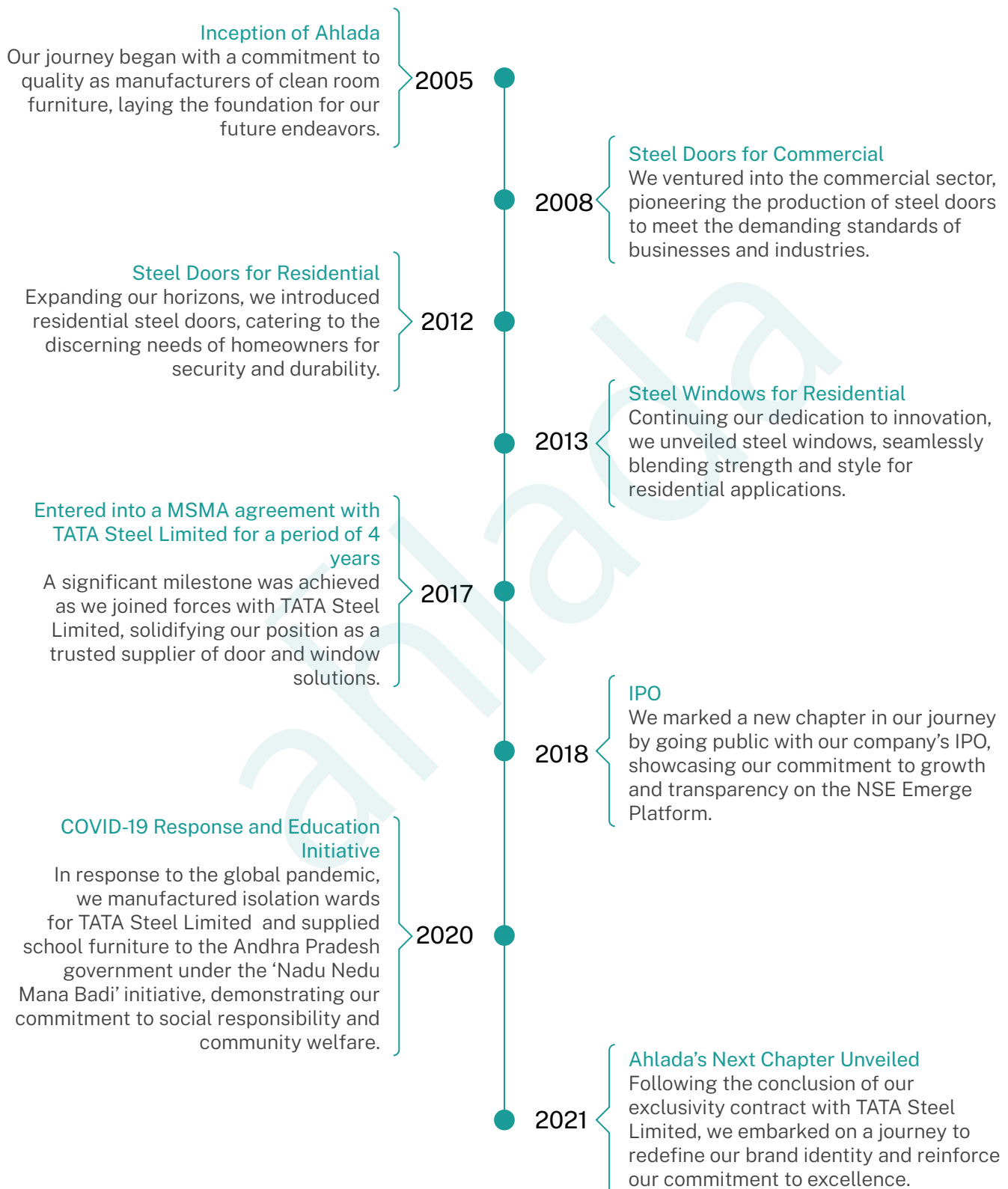
We provide access to a qualified and robust installation service team to ensure that products are installed correctly and efficiently.

From Concept to Completion: Our Seamless Process



Our journey

Embark on a journey through the milestones that define Ahlada's legacy of excellence and innovation



With Ahlada,
Every Door Swings Open
Up To New Possibilities



Our Core Strengths



“Setting the Standard: How Our Products Lead the Industry”

Our products stand out from the competition through its unique profile design, advanced manufacturing technology, high-quality imported materials, superior finishing options, and a wide range of decorative choices. These factors collectively position our product as a premium offering in the market, appealing to customers seeking durability, customization, and aesthetic appeal.

Imported glue and honeycomb paper

We prioritize using high-quality materials sourced globally, rather than relying on locally available options.

Our products stand out in terms of durability, weight efficiency, and overall quality compared to competitors who use domestically sourced materials of potentially lower quality.

Imported powders for powder coating:

Usage of global powder makers like Jotun and AkzoNobel indicates our commitment to superior finishing and aesthetics. These offer a wider range of color options, better durability, or other performance advantages compared to locally sourced alternatives. Our

Welding-Free Products Redefining Industry Standards

We are the only manufacturer in India to have eliminated welding from the manufacturing process. Traditional welded joints are susceptible to weaknesses such as stress points and corrosion over time. Our welding-free products offer enhanced durability and longevity, giving customers peace of mind.

Welding often leaves visible seams and joints, detracting from the overall aesthetics of the product. With our welding-free approach, we deliver sleek and seamless designs that elevate the visual appeal of our products. This attention to detail enhances the overall aesthetic value and contributes to a more polished and

Innovative closed profile using cutting-edge roll forming technology

This closed profile has a unique design that offers distinct advantages over traditional profiles. We are the only manufacturer in India that uses cutting-edge roll forming technology resulting in precise and consistent product quality and an edge in terms of product performance, durability and aesthetics.

Variety of decorative finishes

Offering a variety of decorative finishes allows customers to personalize their products to suit their preferences and interior design aesthetics. Our product line is more versatile and adaptable to different design trends and customer preferences. This variety gives you an advantage over competitors who may offer limited finish options or lack the capability to customize products to this extent.

products boast a higher standard of finish, with a broader spectrum of color choices and enhanced resistance to wear and corrosion, setting it apart from competitors with standard or inferior coating options.

professional appearance.

This commitment to welding free products results in a superior fit and finish, setting our products apart from the competition.

In summary, the absence of welding in our products represents a significant competitive advantage, offering enhanced structural integrity, streamlined aesthetics, precision engineering, and reduced environmental impact. As we continue to innovate and redefine industry standards, our welding-free approach remains at the forefront of excellence in manufacturing.

Our Infrastructure

At Ahlada, our success story is propelled by a synergistic blend of a highly skilled team and cutting-edge infrastructure, driving innovation and excellence in every aspect of our operations.



Fully Automated Machinery

Equipped with state-of-the-art, fully automated machinery, we ensure precision and efficiency in our manufacturing processes, delivering products of unparalleled quality and consistency.

Consulting Team

Our dedicated consulting team, comprising experts in design and research, is committed to understanding and fulfilling our customers' diverse needs and aspirations. From conceptualization to execution, we prioritize customer satisfaction and tailor our solutions accordingly.

Green Pro Certificate

Upholding our commitment to environmental sustainability, we are proud recipients of the Green Pro certificate, validating our eco-friendly practices and dedication to minimizing our environmental footprint. We effectively control waste production through innovative techniques and responsible resource management.



Expansive Factory

Spanning across a sprawling 4,50,000 square feet, our state-of-the-art factory is a testament to our commitment to excellence. With a robust manufacturing capacity of 30,000 doors and 50,000 windows monthly, we ensure prompt delivery without compromising on quality.

Impressive Track Record

Having installed over 2 million doors and windows collectively, our factory stands as a beacon of reliability and trustworthiness. Each product is a testament to our unwavering dedication to craftsmanship and customer satisfaction.

At Ahlada, our team and infrastructure stand as pillars of strength, driving us towards our mission of redefining industry standards and exceeding customer expectations, every step of the way.

Product Features

Security

Engineered for robust security measures, ensuring the safety and protection of your property.



Durability

Constructed with high-quality materials to withstand wear and tear, ensuring long-lasting performance.



Low Maintenance

Designed for minimal upkeep, saving you time and effort in maintenance tasks.



Energy Efficiency

Engineered with energy-efficient features to reduce energy consumption and lower utility costs.



Fire Resistance

Built with materials that offer exceptional fire resistance, enhancing safety in case of fire emergencies.



Longevity

Crafted for enduring performance, providing reliability and longevity over the product's lifespan.



Eco-friendly

Manufactured with environmentally sustainable materials and processes, reducing ecological footprint.



Recyclable

Designed with recyclable materials to promote environmental responsibility and reduce waste.



Easy Installation

Manufactured with environmentally sustainable materials and processes, reducing ecological footprint.



Termite Proof

Engineered to resist termite infestation, ensuring the integrity and longevity of the product.



Design Flexibility

Offers versatile design options to match various architectural styles and preferences.

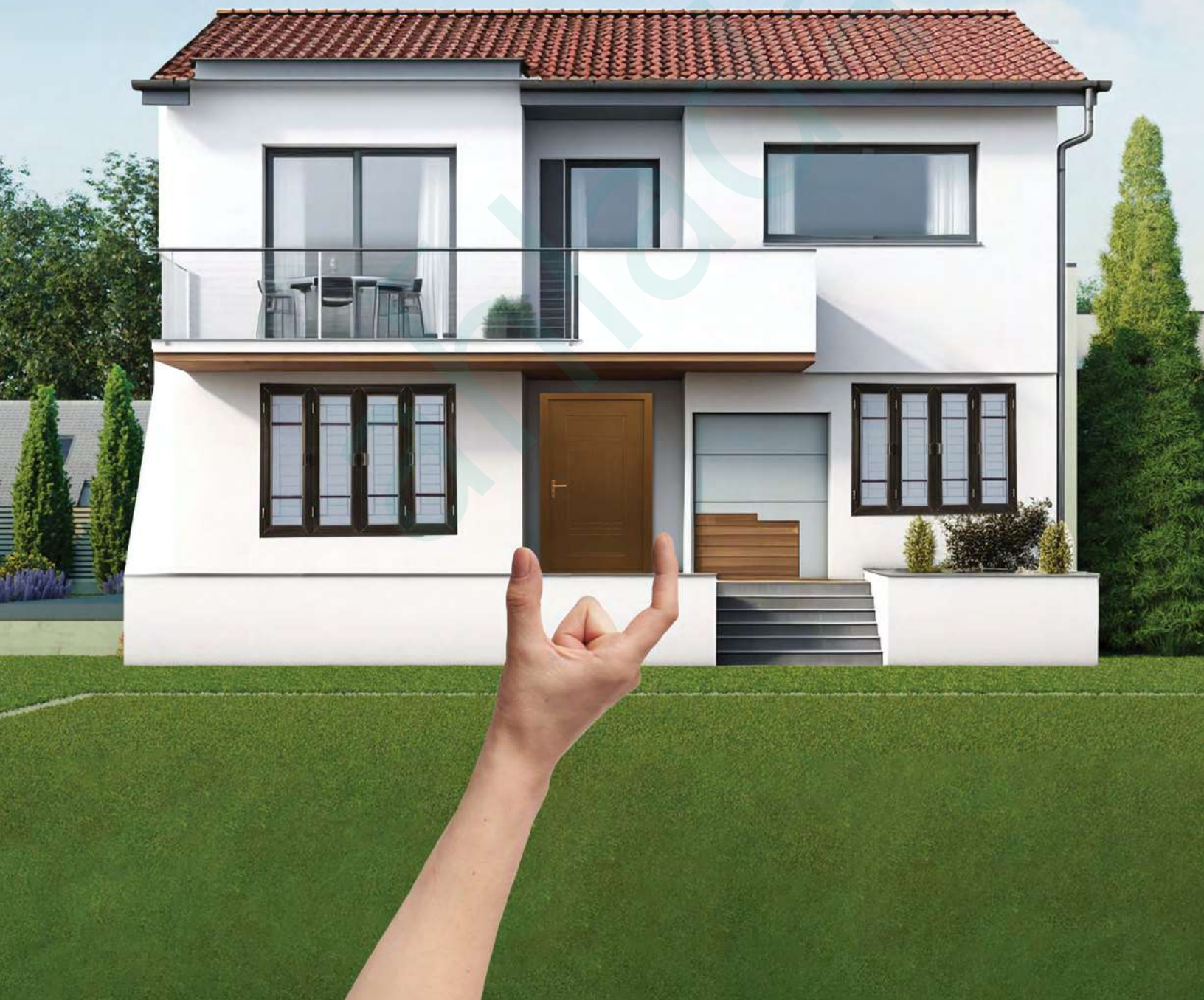


Multiple Finish Options

Available in a range of finish options to suit individual tastes and complement any design aesthetic.



Elevate Your Spaces With
Our Premium Range Of
Steel Doors And Windows.





Commercial Doors

Our range of commercial doors combines functionality with security, offering solutions that are both durable and aesthetically pleasing. Designed to meet the varied needs of businesses, these doors ensure safety, privacy, and ease of access in commercial environments.



General Doors

Our general doors offer versatility and durability for a variety of commercial applications. Designed to meet everyday functional needs, these doors are a reliable and cost-effective solution for any business.



Fire Rated Doors

Crafted to withstand fire, these doors offer added safety for commercial settings, ensuring peace of mind in emergency situations.



Shaft Doors

Designed for durability and functionality, our shaft doors provide secure access to service areas for elevators, communication, electrical and fire hydrant equipment making them an essential for any commercial building.



Scientific Doors

Tailored to meet the stringent requirements of controlled environments like labs and clean rooms, these doors maintain specific atmospheric conditions, prevent contamination, and enhance operational integrity.



Lead Lined Doors

Specially constructed with lead inserts, these doors are essential in areas requiring radiation shielding, such as X-ray rooms and other medical facilities, providing safety and compliance with health standards.



Sliding Doors

Ideal for spaces requiring efficient use of space, our sliding doors offer smooth operation and modern aesthetics, enhancing accessibility and convenience in commercial settings.



Swing Doors

Classic and efficient, our swing doors are designed for high traffic areas, combining robust construction with ease of movement, suitable for both interior and exterior applications.



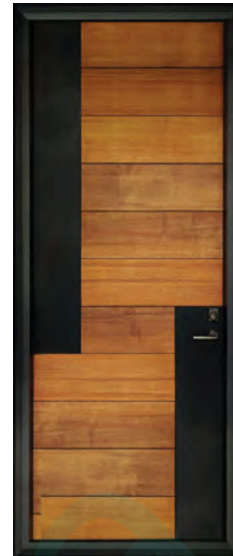
Egress Doors

Engineered for safety and compliance, these doors are built to ensure quick and safe exit in an emergency, integral to building evacuation plans and fire safety regulations.



Rail and Stile Doors

Showcasing traditional craftsmanship, rail and stile doors feature a timeless design composed of vertical stiles and horizontal rails. Perfect for creating a statement entrance that blends classic and contemporary styles.



Acoustic Doors

Designed to significantly reduce noise transmission, acoustic doors are perfect for environments where sound control is crucial, such as recording studios, schools, and conference rooms. These doors help create a quiet and focused space.



Stainless Steel Doors

Combining robustness with a modern aesthetic, our stainless steel doors are ideal for environments demanding hygiene and durability, such as food processing plants.



Industrial Doors

Engineered to withstand the rigorous demands of industrial settings, our industrial doors enhance operational efficiency and safety. Whether it's automated, sliding, foldable, or fire-protective, each door is built to offer superior performance in the toughest conditions



Sliding Doors

Perfect for industrial spaces where space-saving is crucial, our sliding doors offer a compact solution without sacrificing durability. They glide smoothly on tracks, providing easy access to large openings in warehouses and manufacturing facilities.

Automated Entrance Doors

Enhance convenience and accessibility with our automated entrance doors, designed for smooth, hands-free operation. Ideal for high-traffic industrial settings, these doors improve workflow and energy efficiency by minimizing air exchange and heat loss.



Industrial Foldable Doors

Engineered for large openings in industrial environments, these doors fold neatly and compactly when opened, maximizing space utilization. Robust and easy to operate, they are suitable for hangars, warehouses, and logistic centers.



Fire Protection Doors

Vital for safety in any industrial setting, our fire protection doors are designed to halt the spread of fire and smoke, protecting both personnel and equipment. Constructed with heat-resistant materials, these doors meet rigorous safety standards and provide peace of mind through enhanced fire security.



Residential Doors

Our residential doors blend style, security, and sustainability, crafted from environmentally responsible materials. Available in a range of designs, these doors not only enhance the aesthetic and security of modern homes but also support sustainable building practices. Our doors contribute to energy efficiency, reduce environmental impact while maintaining durability and functionality.

Steel Shutters with Steel Frames

Offering high security and durability, these doors with single/double shutters are designed to protect and enhance modern homes.



Wooden Shutters with Steel Frames

Blend the warmth of wood with the strength of steel, providing a stylish, secure entrance to any residence.





Residential Windows

From casement to fixed windows, our residential windows enhance the beauty and efficiency of any home. Available in multiple configurations, they provide optimal light, ventilation, and energy efficiency, enhancing living spaces while ensuring comfort and security.



Casement Windows

Casement Windows: Available in single, double, triple, or quadruple shutter configurations, with optional mesh for additional safety and ventilation. These windows combine functionality with aesthetic appeal.



Fixed Windows

Ideal for areas where light and visibility are key, these windows provide a permanent view of the outdoors, with high durability and low maintenance.



Ventilators

Essential for ensuring optimal air flow, our ventilators help maintain a comfortable indoor environment in residential spaces.

Steel frames

Our steel frames redefine durability and versatility, offering robust support for any door configuration. Crafted to accommodate shutter thicknesses of all kinds, our frames provide unparalleled strength without compromising on style. Our steel frames offer termite resistance, enhancing strength, durability, and design flexibility, all at a cost-effective price point.



RO Water Drinking Systems

Engineered to provide safe, clean drinking water through advanced reverse osmosis technology, these systems are essential for schools, offices and industries, ensuring access to purified water at all times.



Heavy duty racking systems

Engineered for warehouses and stores, our heavy-duty racking systems maximize storage space while ensuring optimal organization and accessibility. Built to withstand heavy loads and frequent use, these systems offer reliability and durability for storing a wide range of goods and materials.





Steel School Furniture

Designed to support educational environments, our steel school furniture is built to last. From dual desks to teacher desks and lockers, each piece combines durability with ergonomic design, fostering an organized and conducive learning atmosphere.



Dual Desks: Ergonomically designed to facilitate learning in a comfortable setting, perfect for classrooms of all sizes.



Green Chalk Boards: Designed for clarity and ease of use, these innovative teaching tools are built to last.



Lockers for Classrooms and Hostels: Provide secure, personal storage solutions to keep personal belongings safe.



Teacher Desks: Robust and functional, these desks offer a practical workspace for educators.



Dustbins: Crafted from durable materials, essential for maintaining cleanliness in educational environments.



Steel Cots: Built for durability and comfort, these cots provide students with a sturdy and reliable sleeping solution. Available in both single and double sizes, our cots offer versatile accommodation options for students in shared living spaces.

Applications

High-rise
buildings



Metro
Railway
Stations



Cold
Storage



Power
Plants



Cellular
Network
Stations



Garment
Processing
Units



Shopping
Malls



Industrial
Plants



Applications

Multiplexes



Hotels



Auditoriums



Software
Parks



Restaurants



Pharma-
ceutical



Bio-
technology



Food
Processing



Applications

Air Ports



Automobile Industry



Banks



Cement Industry



Defence



Diagnostic Centers



Educational Institutions



Electronic Industry



Applications

Hospitals



Engineering Industry



Semi-conductor Industry



Information Technology



Resorts



Textile Industry



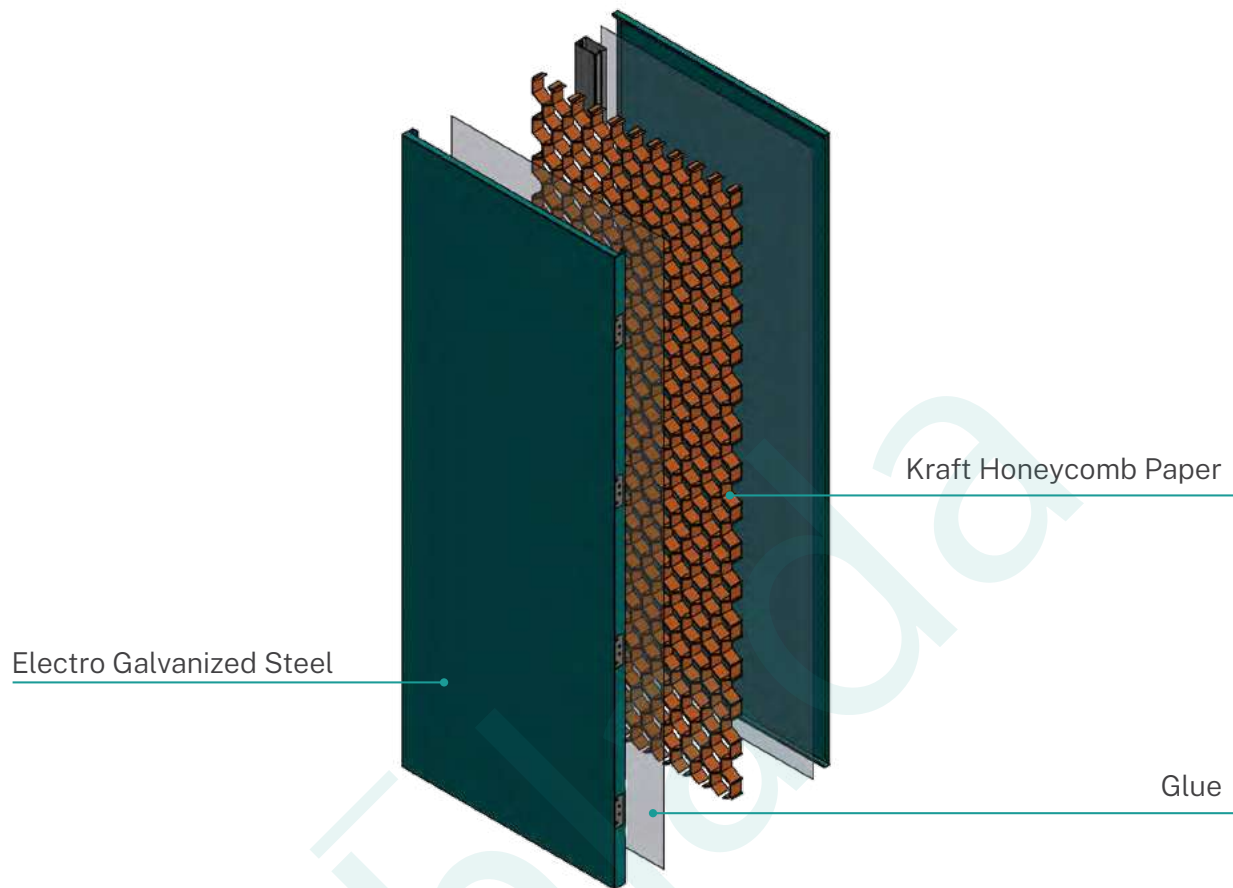
Research



Ship Manufacturing Industry



Raw Material



Electro Galvanized Steel

Employing electro galvanized steel ensures optimal surface quality, corrosion resistance, excellent formability, and paintability. This material is ideal for interior and exterior panels and other exposed applications where these attributes are paramount. The pure zinc coating of 120gsm is applied to high-quality cold-rolled sheet steel provide galvanic and barrier protection against corrosion, maintaining structural integrity even in adverse conditions.

We incorporate steel sheets of varying thicknesses, 0.60mm, 0.8mm, 1.20mm, and 1.60mm, in our products.

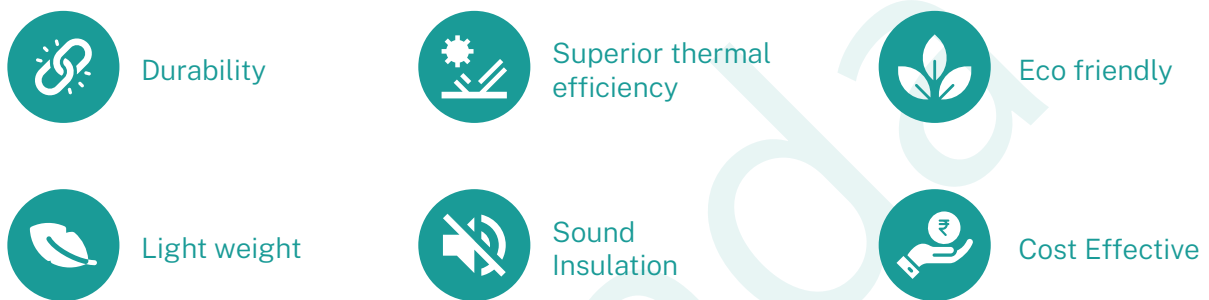
Stainless Steel (Grade SS 304)

Grade SS 304, offers enhanced chromium content and reduced carbon content. This composition minimizes chromium carbide precipitation during welding and diminishes susceptibility to intergranular corrosion. Notably, Grade SS 304 often retains sufficient corrosion resistance in the “as-welded” condition, eliminating the need for annealing and ensuring durability and longevity.

Kraft Honeycomb Paper

Kraft honeycomb paper presents a sustainable alternative to conventional materials such as wood and EPS, delivering exceptional strength and stiffness at minimal weight. The honeycomb structure has an individual cell size of 16mm and paper thickness of 140gsm. Comprising bonded sheets forming open cells, this material demonstrates superior strength and water resistance when coated with phenolic resin. Its versatility, lightweight nature, and compatibility with various materials make it an economical and eco-friendly choice. Withstanding diverse environmental conditions, it provides reliable thermal insulation while being fully biodegradable and environmentally non-invasive, aligning with large-scale environmental preservation initiatives.

While honeycomb Kraft paper commonly found in India is typically sourced from recycled materials, our product stands apart. We utilize imported pure virgin paper of exceptional quality standards, ensuring superior performance and durability.



Rockwool

“Renowned for its exceptional fire-resistant properties, Rockwool insulation offers a melting point surpassing 1000°C, meeting stringent fire protection standards. As a non-combustible material, it effectively inhibits fire spread, safeguarding both structures and lives. Rockwool is extensively used in acoustic, lead-lined, and fire-rated doors, providing enhanced safety and functionality. With the prevalence of fire-related incidents worldwide, Rockwool’s role in preventing tragedies and minimizing environmental impact is indispensable. By curbing the release of hazardous substances during combustion, Rockwool actively enhances fire safety, ensuring comprehensive protection against catastrophic consequences.”

Polyurethane Foam

Polyurethane foam of high density of 36-40 kg/m³ is used in manufacturing our steel doors and windows due to its excellent insulation, soundproofing, and structural support properties. It also offers moisture resistance, lightweight construction, and customization options. These qualities enhance energy efficiency, durability, and performance, making polyurethane foam a preferred choice for both residential and commercial buildings.

The utilization of advanced adhesive bonding techniques facilitates robust surface joining, employing glues, epoxies, or plastics that cure through solvent evaporation or chemical reactions. Notably, polyurethane foam (PUF/PIR) stands out for its superior insulation properties, boasting low thermal conductivity and high energy efficiency. Its exceptional mechanical strength, durability, and resistance to aging, moisture, and fire render it an optimal choice for building insulation, ensuring both functionality and safety in steel-based constructions.

Colors and Finishes

- **VOC and HAP Compliance:** Powder coating is solvent-free, ensuring compliance with volatile organic compound (VOC) and hazardous air pollutant (HAP) regulations.
- **Durable Finish:** Powder coating delivers a durable finish, enhancing longevity and resistance to wear.
- **Good Corrosion Resistance:** Provides effective protection against corrosion, maintaining the integrity of the metal surface.



Powder coating

Powder coating is entirely a dry finishing process. It is composed of grinded particles of resins, pigments and other raw materials that are electro statically charged and sprayed onto objects to be coated. The objects to be coated are electrically grounded, so that the charged particles adhere to them until melted and fused together into a smooth coating in a curing oven, resulting in a uniform and durable high-quality finish. Powder coating is a type of coating that is applied as a free-flowing, dry powder. The main difference between a conventional liquid paint and a powder coating is that the powder coating does not require a solvent to keep the binder and filler parts in a liquid suspension form. The coating is typically applied electro statically and is then cured under heat to allow it to flow and form a “skin”. The powder may

We utilize powder coating technology to provide colors and finishes to metals, offering numerous benefits over liquid painting methods:

- **Thick Coatings in One Pass:** Capable of applying thick coatings evenly, even over sharp edges, improving aesthetics and durability.
- **Utilization Efficiencies:** High coating utilization efficiencies, reaching 95 to 99 percent, reducing waste and costs.
- **No Solvent Needed for Cleanup:** Eliminates the need for solvents during cleanup, minimizing environmental impact and reducing labor requirements.
- **Reduced Worker Exposure:** Virtually eliminates worker exposure to solvent vapors, promoting a safer working environment.
- **Elimination of Hazardous Overspray:** Powder coating eliminates hazardous overspray, waste sludge, and contaminated water, further reducing environmental impact.
- **Low Operating Costs:** Offers the lowest annual operating costs compared to conventional solvent, water-borne, or high solids painting operations, providing cost-effective solutions.

be a thermoplastic or a thermoset polymer. It is usually used to create a hard finish that is tougher than conventional paint.

Powder coatings became a major factor in the metal finishing industry when the electrostatic spray process was introduced. As the powder coating technology developed, advances were made in powder formulations to offer a limit-less range of colours, glosses, finishes and textures. Cost savings and environmental benefits associated with solvent-free powder coatings frequently overshadow the superior finish they also provide. Thus, powder coatings have become a viable alternative for decorative as well as functional coatings, although it remains predominately a metal finishing process given the high temperatures needed for curing.

PROPERTY	STANDARD	JOTUN FAÇADE
Adhesion	EN ISO 2409	Cross-Cut rating Gt0(100% adhesion)
Impact resistance	EN ISO 6272 / ASTM D2794 (impactor diameter 15.9 mm)	More than 23 inch-pounds or 2.5 Nm without film cracking
Cupping test	EN ISO 1520	Indentation depth in excess of 5 mm without film cracking
Flexibility	EN ISO 1519	Cylindrical mandrel bending test ,passes 5 mm mandrel diameter
Film hardness	EN ISO 2815	Indentation resistance according to Buchholz:>80
Mortar resistance	EN 12206-1	The mortar must be easy to remove without leaving any residues.
Drilling, Milling and Sawing test		No flaking of coating.
Humidity resistance containing SO2	ISO 22479 Method B (0.2 ISO2) ISO 4628-2	No infiltration exceeding 1 mm on both sides of the scratch after 24 cycles.
Humidity resistance	EN ISO 6270-2 ISO 4628-2	No infiltration exceeding 1 mm on both sides of the scratch after 1000 hours
Acetic acid salt spray resistance	ISO 9227 ISO 4628-2	After 1000 hours of testing – maximum 16 mm ² infiltration over a scratch length of 10 cm.
Accelerated weathering	ISO 16474-3	Cycle: 4 hours at 50 °C UV and 4 hours at 40 °C condensation.No chalking,excellent gloss retention and colour stability after 300 hours of testing.
Xenon Arc Accelerated Weathering	ISO 16474-2 Method A	Cycle:102 minutes dry at 38°C and 18 minutes water spray under UV.No chalking , excellent gloss retention and colour stability after 1000 hours of testing.
Natural weathering test	ISO 2810 (South Florida, 27 °N)	No Chalking, excellent gloss retention and colour stability after 12 months exposure (angle of 5 ° to South).
Flame Spread Index	ASTM E 84	Class 1 or A
Smoke Development Index	ASTM E84	Class 1 or A

Thermosetting powders

Most powder coating resins are thermosetting resins based on epoxy, polyester, polyurethane, and acrylic resin systems. The cured (cross linked) coating has a new chemical structure and will not return to the liquid phase if heated. Coatings created by thermosetting resins have outstanding physical properties and corrosion resistance. Different types of thermosetting resins are available to achieve desired physical, electrical, chemical, and decorative properties. Current resin technology provides coatings with abrasion resistance, scuff resistance, impact resistance, heat resistance, and outdoor weather ability. Thermosetting powder coatings are available in a variety of decorative finishes including textures, low gloss, high gloss, wrinkle, smooth, clear, pigmented, and metallic.



Standard RAL Colours (Plain)



Brown Red
RAL-3011



Traffic Red
RAL-3020



Gentian Blue
RAL-5010



Sky Blue
RAL-5015



Turquoise Blue
RAL-5018



Distant Blue
RAL-5023



Pebble Grey
RAL-7032



Light Grey
RAL-7035



Dusty Grey
RAL-7037



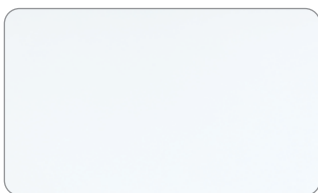
Chocolate Brown
RAL-8017



Cream
RAL-9001



Grey White
RAL-9002



Signal White
RAL-9003



Pure White
RAL-9010

Decorative finishes



AB - Cherry Lustre
AB-001



AB - Lakeshore Smoked
AB-002



AB - Elm Wood Dark
AB-003



AB - Brun Larice
AB-004



AB - Russet Larice
AB-005



AB - Imperial Walnut
AB-006



AB - Elite Ash
AB-007



AB - Divine Oak
AB-008



AB - Panthera
AB-009



AB - Turkish Oak
AB-010



AB - Classic Wenge
AB-011



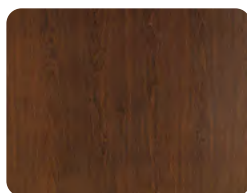
AB - Classic Mahogany
AB-012



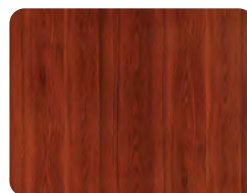
AB - Charred Oak
AB-013



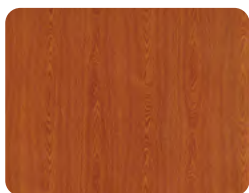
AB - Clement Nut
AB-014



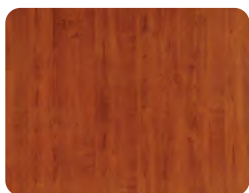
AB - Cedarglow
AB-015



AB - Maple Mist
AB-016



AB - Pine Essence
AB-017



AB - Teak Aura
AB-018

Decorative finishes



AR - Cherry Lustre
AR-001



AR - Lakeshore Smoked
AR-002



AR - Elm Wood Dark
AR-003



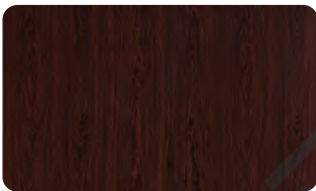
AR - Brun Larice
AR-004



AR - Russet Larice
AR-005



AR - Imperial Walnut
AR-006



AR - Elite Ash
AR-007



AR - Divine Oak
AR-008



AR - Panthera
AR-009



AR - Turkish Oak
AR-010



AR - Classic Wenge
AR-011



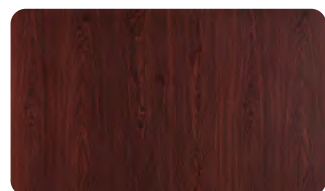
AR - Classic Mahogany
AR-012



AR - Charred Oak
AR-013



AR - Clement Nut
AR-014



AR - Cedarglow
AR-015

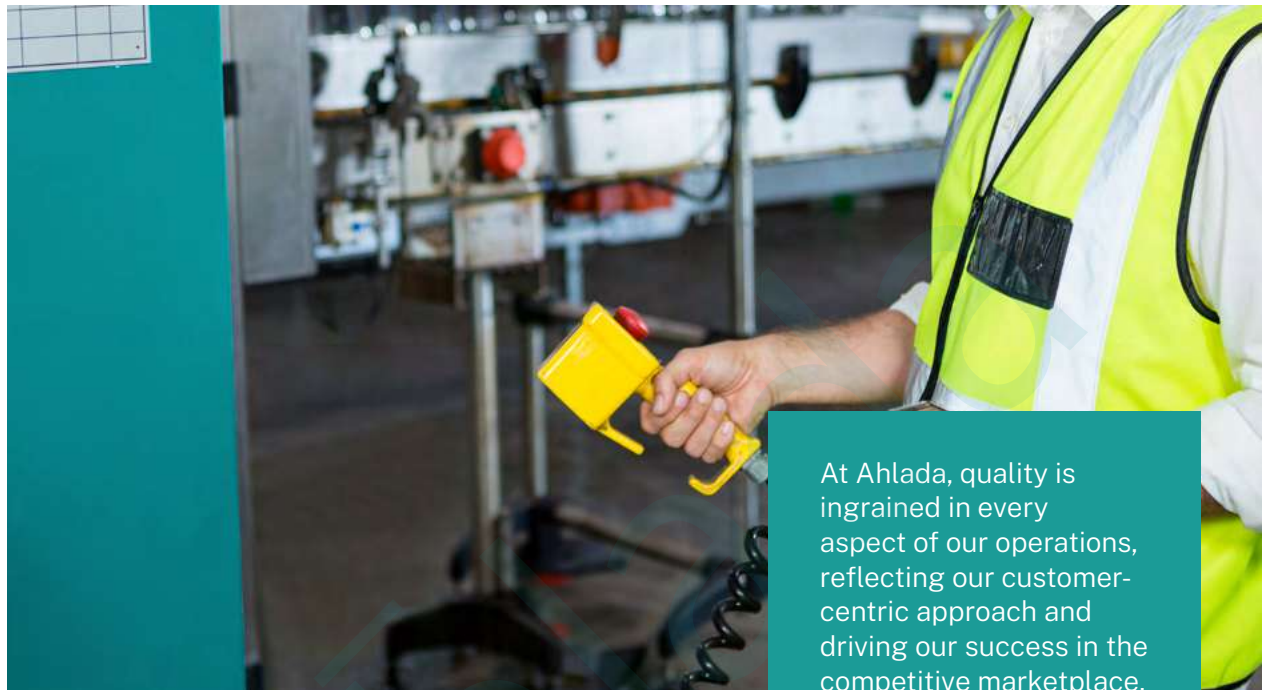
Hardware

Our products feature premium hardware for superior durability and performance, combining strength, aesthetics, and ease of use to ensure lasting reliability.



Quality Assurance at its Finest: Our Commitment to Excellence

At Ahlada, we take immense pride in delivering products of the highest standards. As a testament to our dedication to quality, we hold prestigious certifications which serve as a hallmark of our unwavering commitment to craftsmanship and customer satisfaction.



At Ahlada, quality is ingrained in every aspect of our operations, reflecting our customer-centric approach and driving our success in the competitive marketplace.

Quality Testing

At Ahlada, we uphold rigorous quality standards through meticulous attention to high-quality raw materials, regular in-process inspections, and detailed reporting. Our relentless dedication has earned us the trust of elite companies, positioning us as one of the select vendors with a green channel route of supply.

We offer flexibility by accommodating 3rd party quality inspections at our manufacturing site, ensuring transparency and confidence in our products. Equipped with advanced testing and inspection machinery, Ahlada adheres to strict time-based inspections throughout the production process, covering inward, in-process, and final product movements.

Our commitment to quality extends beyond products to encompass our processes and people. By prioritizing quality, we differentiate ourselves in the global market, consistently meeting and exceeding customer expectations. Our quality efforts encompass:

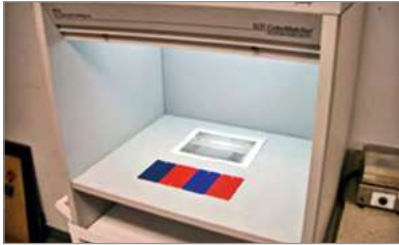
Quality Policy: Clear guidelines and standards guiding our commitment to quality excellence.

Quality Objectives: Defined goals to continually improve our quality performance.

Control of Documents & Records: Ensuring accuracy, accessibility, and integrity of documentation.

Control of Non-conforming Product and Service: Swift and effective management of any deviations from quality standards.

Test Procedure



Color Match Test

Compare powder coat color to manufacturer's RAL specifications using color chips for acceptance.



Gloss Meter Test

Measure the "shine" of the powder coat according to preset gloss level requirements using a gloss meter.



Micron Test

Use a Hand Meter to measure the thickness of the powder coat, aiming for 60-80 microns for adequate coverage.



Impact Test

Test powder coat adherence by subjecting coated samples to a predetermined weight strike, assessing the pound's the paint withstands before losing adherence.



Salt Spray Test

Assess corrosion protection by powder-coating test samples, scribing an "X" into the paint, and subjecting them to accelerated outdoor conditions in a Salt Spray Booth.



Cross Hatch Test

Check paint adherence by etching horizontal and vertical lines on samples and applying aggressive adhesive tape to assess paint removal.



Mandrel Bend Test

Determine paint elasticity by subjecting coated samples to bending without losing adherence.



MEK Test

Ensure proper curing and adherence of powder paint by rubbing Methyl Ethyl Ketone across the surface with a cotton swab (50 double rubs).



UV Test

For assessing the long-term performance and quality of powder coatings, especially for applications where exposure to sunlight is a concern.



Visual Inspection

Conduct a thorough visual inspection of each powder-coated part for blemishes or defects upon cooling. These comprehensive tests ensure the quality and performance of powder-coated products, meeting industry standards and customer expectations.

ISO Certification

At Ahlada, we prioritize quality, sustainability, and safety. This dedication is evident in our ISO certifications: ISO 9001:2015, ISO 14001:2015, and ISO 45001:2018.



ISO 9001:2015 ensures we deliver consistently high-quality products that meet customer and regulatory standards. This certification enhances operational efficiency, reduces waste, and boosts customer satisfaction, giving us a competitive edge.

ISO 14001:2015 highlights our commitment to environmental sustainability. By minimizing our environmental impact and promoting efficient resource use, we comply with environmental laws and attract environmentally conscious customers.

ISO 45001:2018 focuses on creating a safe and healthy workplace. This certification helps us reduce workplace injuries, improve employee morale, and ensure compliance with health and safety regulations.

Together, these certifications demonstrate our commitment to continuous improvement and build confidence among our customers, employees, and stakeholders.

GreenPro Certification

Our GreenPro Certification highlights our dedication to sustainability and eco-friendly manufacturing practices.



Key Benefits:

Sustainability Leadership: Demonstrates our commitment to reducing our carbon footprint and promoting green building practices.

Marketability: Attracts environmentally conscious customers and builders seeking sustainable solutions.

Regulatory Compliance: Ensures adherence to environmental regulations, minimizing legal risks.

Resource Efficiency: Encourages efficient resource use, reducing waste and costs.

Healthy Living Environments: Contributes to healthier indoor air quality by reducing harmful emissions.

Reputation and Trust: Builds trust with customers and stakeholders, reflecting our commitment to responsible manufacturing.

Choosing our GreenPro Certified products means supporting sustainability and receiving high-quality, eco-friendly solutions for a greener future.

BIS Certification

Our company, Ahlada Engineers Limited holds the prestigious BIS Certification Marks License No -6300109697 as per IS 3614 : 2021 for our fire doors. This milestone highlights our unwavering commitment to quality and safety in the manufacturing of steel doors and windows.

IS 3614



CM/L-6300109697

The Importance of BIS Certification

The Bureau of Indian Standards (BIS) certification is a hallmark of quality and reliability. This certification is not easily obtained and involves rigorous testing and verification processes to ensure that products meet stringent safety and performance standards. Here are some of the key benefits:

Enhanced Safety: Fire doors play a critical role in protecting lives and property by preventing the spread of fire and smoke. BIS certification ensures that our fire doors meet the highest safety standards, providing peace of mind to our customers.

Quality Assurance: The certification process involves thorough testing of materials and construction methods. This guarantees that our fire doors are built to last and perform as expected under extreme conditions.

Market Credibility: BIS certification is widely recognized and respected. It signifies our dedication to maintaining the highest levels of quality and compliance with national standards, thereby enhancing our credibility in the market.

Exclusive Recognition

Ahlada is proud to be one of only nine door suppliers in India to hold this prestigious BIS certification for fire doors. This exclusive recognition underscores our position as a leader in the industry and highlights our commitment to excellence.

Commitment to Excellence

Achieving BIS certification is a testament to the hard work and dedication of our team. It reflects our continuous efforts to innovate and improve our products. Ahlada is committed to delivering the best to our customers, and this certification is a significant step in that journey.

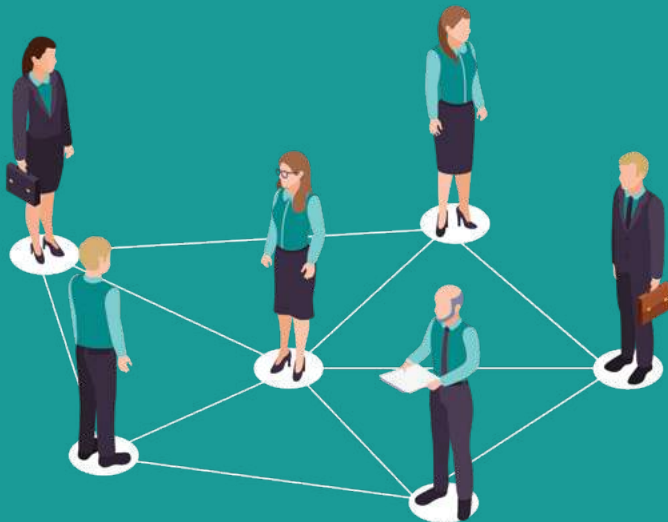
What This Means for Our Customers

For our customers, this certification means you can trust our products to provide the highest level of safety and quality. Whether you are in the commercial, industrial, or residential sector, our certified fire doors are designed to meet your specific needs and ensure optimal protection.

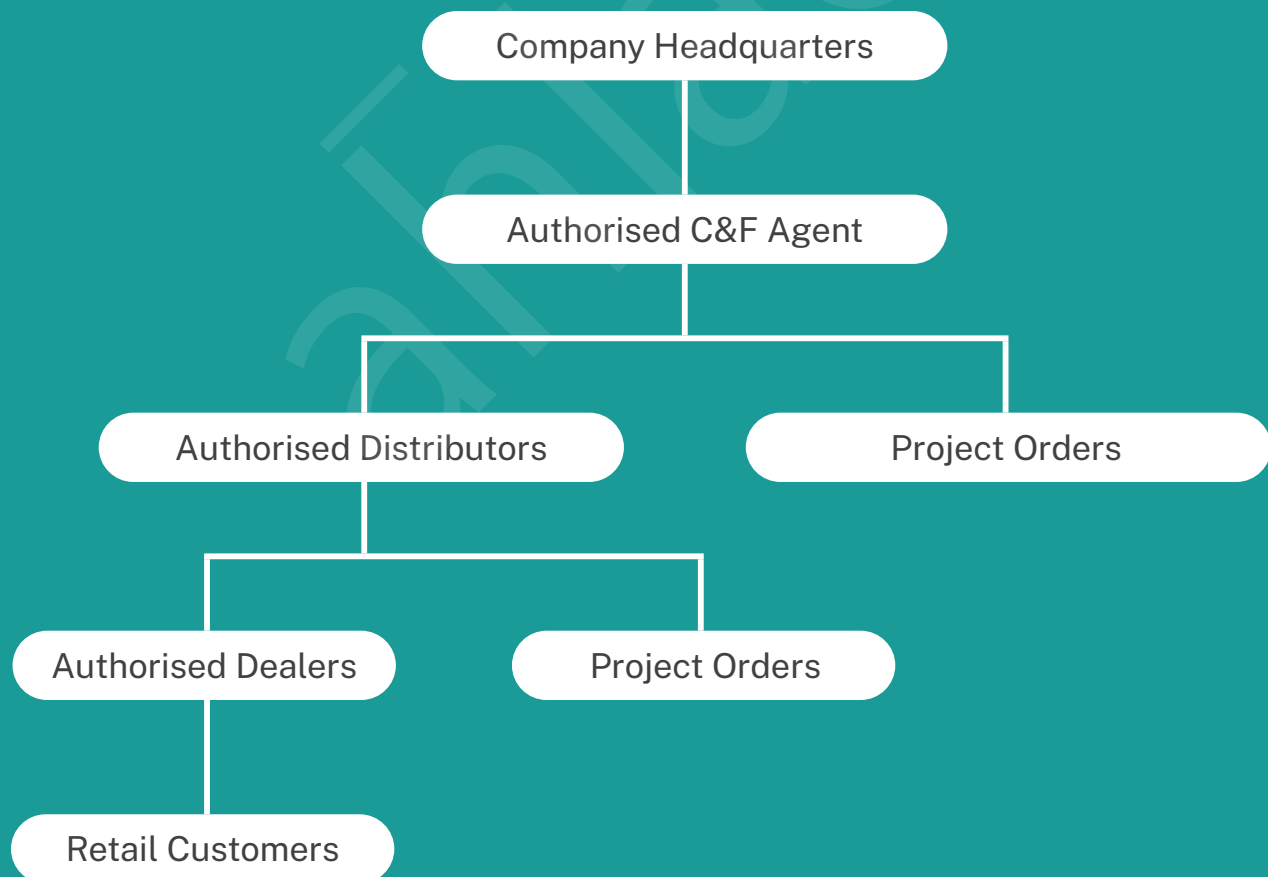
Looking Forward

At Ahlada, we are excited about the future and look forward to continuing to set the standard for quality and safety in the door manufacturing industry. Thank you to our dedicated team and valued customers for your support. Together, we are building a safer and more secure world.

Distribution Channel



At Ahlada, our distribution network ensures that our products are readily available across every state, thanks to our robust channel comprising state-level C&F agents who manage inventory and coordinate sales, for both retail and commercial within the state. Each district has an authorized distributor working closely with C&F agent to serve both retail and project clients effectively, ensuring customer satisfaction and supply chain efficiency. Additionally, our distributors are supported by dealers in each district dedicated solely to retail customers, enhancing market penetration and service quality for residential sector. This cohesive network of C&F agents, distributors, and dealers efficiently meets customer demands, ensuring our products are always within your reach and backed by reliable service.



Installation

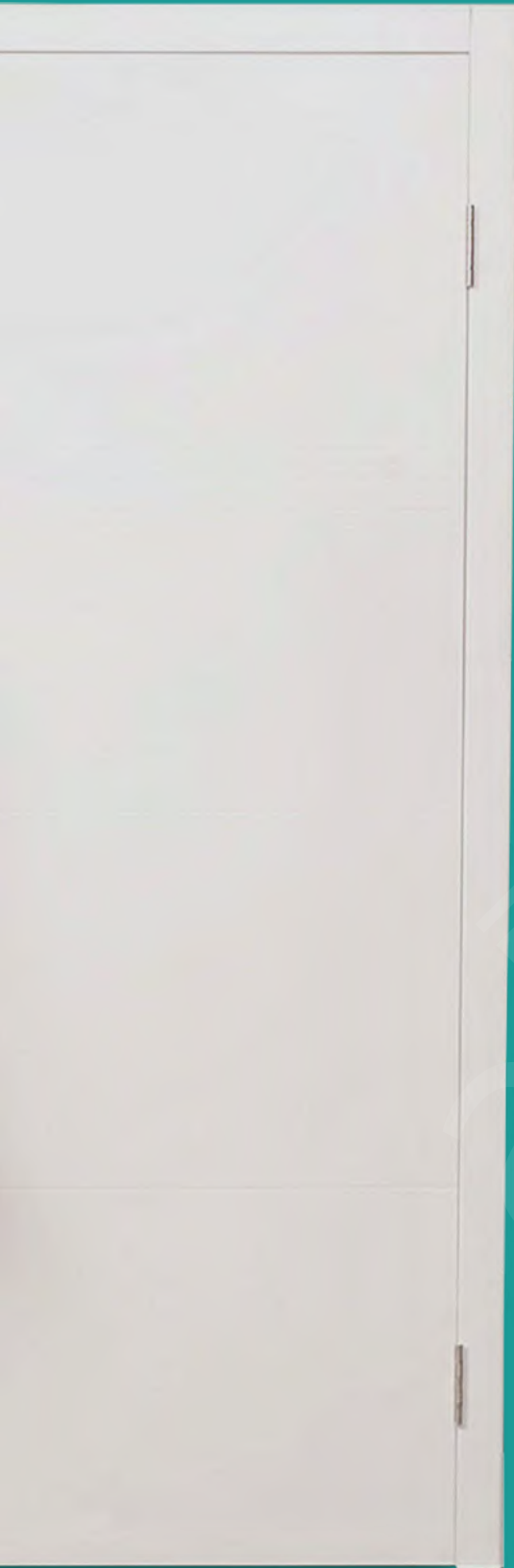
Our installation process for steel doors and windows is meticulously designed for efficiency and precision. The frames and shutter components are transported to the installation site in a dismantled state, optimizing logistics and site handling. Our professional technicians initiate the assembly by aligning and securing the frame components within the prepared wall openings. Following the frame installation, the shutters are carefully mounted using high-quality hinges to ensure robust operation and longevity. The final step involves the precise installation of the hardware, which is executed to enhance both the functional performance and the aesthetic appeal of the doors and windows. This methodical approach not only facilitates a swift and smooth installation process but also minimizes onsite disruption, enabling a seamless integration of our products into your space.

Packing

Our foolproof packaging provide unmatched protection against scratches, dents, and other damages, ensuring that your doors and windows arrive in pristine condition every time. Our packaging materials are carefully selected to provide maximum durability and strength, capable of withstanding rough handling during transportation.

Our packaging includes surface protection features such as specialized tapes and wraps to safeguard the finish of your doors from scratches and abrasions.





Service & Maintenance

We understand that your doors and windows are an integral part of your property's functionality and security. That's why we go above and beyond to provide exceptional after-sale service and maintenance, ensuring that your doors remain in top condition for years to come. Trust us to be your reliable partner in door care – because your satisfaction is our priority. We believe in providing comprehensive after-sale service and maintenance to ensure the longevity, performance, and satisfaction of our customers. Our dedicated team of experts is here to support you every step of the way, long after your doors are installed.

Our After-Sale Service

Prompt Response

Our customer service team is available to address any inquiries or concerns you may have regarding your doors and windows. We strive to provide prompt and personalized assistance to ensure your complete satisfaction.

Technical Support

Need assistance with door operation, troubleshooting, or maintenance? Our experienced technicians are on standby to offer expert advice and guidance, ensuring that your doors and windows continue to function optimally.

Warranty Coverage

Rest assured, our doors are backed by comprehensive warranty coverage of 10 years, on manufacturing defects, for your peace of mind. In the rare event of any issues, we'll work swiftly to resolve them and minimize any disruptions to your operations.

Our Clientele

Life Sciences & Medical





Food & Beverages



Energy Sector



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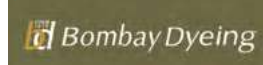
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Government of Andhra Pradesh
Department of School Education



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