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Strength and Devotion in Stainless Steel: The Lord Hanuman Sculpture



The construction of a Lord Hanuman statue in stainless steel is not just an architectural feat but also a symbol of devotion, strength, and cultural heritage. This monumental task involves meticulous planning, precise engineering, and the selection of the right materials to ensure its longevity and resilience.

Lord Hanuman, a central figure in Hindu mythology, is revered for his unwavering devotion, immense strength, and valour. As a devoted follower of Lord Rama, Hanuman's tales of bravery and selfless service have inspired billions of beings. His depiction often symbolizes courage, loyalty, and the triumph of good over evil. Constructing a sculpture of Lord Hanuman is a way to honor these virtues and provide a place of worship and inspiration for devotees. The artist, Ketan Amin completed his masters from MS University, Baroda and currently works with Rukshaan Art. The journey of creating a sculpture of Lord Hanuman began with his envision that lord hanuman would be looking in this form. A team of skilled fabricators and welders were used and designed the initial Hanuman model, which was then enlarged by his team and himself that captures the essence of Lord Hanuman's persona while also considering practical aspects such as height, weight, and structural integrity. The design phase involves detailed sketches, 3D models, and simulations to ensure the sculpture's stability and aesthetic appeal.

One of the most critical decisions in the construction process is the selection of materials. For a statue intended to stand the test of time and endure various environmental conditions, stainless steel emerges as the material of choice. Stainless steel is renowned for its exceptional strength and durability. It can withstand harsh weather conditions, including rain, wind, and extreme temperatures, without corroding or deteriorating. Unlike other materials that may require frequent maintenance and repairs, stainless steel is relatively low maintenance. Its corrosion-resistant properties reduce the need for constant upkeep, making it a cost-effective choice in the long run. Stainless steel offers a sleek and modern aesthetic. Its reflective surface can create a visually striking appearance, enhancing the statue's overall impact. More than 8 tons of high-grade stainless-steel grade 304 was used to make this 31 foot tall sculpture installed at a 150 feet height platform.

The construction of the Lord Hanuman sculpture involves several intricate steps, each requiring precision and expertise. After finalizing the design, we analysed the structural requirements to ensure the sculpture's stability. The fabrication process begins with selecting high-quality stainless steel considering the longevity





and aesthetic both in mind. Sheets, tubes of stainless steel were cut, shaped, and welded to form different parts of the sculpture. Advanced fabrication techniques, such as tig welding and arch welding, grinding and cutting. were employed to achieve precise dimensions and intricate details. Skilled fabricator and welders meticulously joined the pieces, ensuring seamless connections and structural integrity. The assembly process required careful alignment and support to prevent any deformation or misalignment. To enhance the sculpture's aesthetic appeal and protect it from environmental factors, surface treatments such as polishing was done to further protect from corrosion as well as enhance the aesthetic appeal" The creation of a Lord Hanuman sculpture in stainless steel holds immense cultural, religious, and social. For devotees, the statue is a place of worship and spiritual reflection. It offers a physical manifestation of their faith and devotion, providing solace, inspiration, and a sense of connection to the divine.The construction of a large-scale stainless steel sculpture is a remarkable engineering and architectural achievement.

The choice of stainless steel as the primary material ensures the sculpture's longevity, durability, and aesthetic appeal, making it a timeless symbol of strength and devotion. It showcases advancements in construction technology and the capabilities of modern materials, setting new benchmarks for future projects



ISSDA held a Brainstorming session for the Growth and Future of Stainless Steel Rebars in India

For years, ISSDA has consistently led the development of SS Rebar in the country. Together, we have successfully established SS Rebar in the Indian market, resulting in a significant number of producers. However, we have recently noticed stagnation in our SS rebar market, with fewer new projects emerging due to several challenges. Key obstacles include a lack of unity among players, inadequate collective marketing efforts against competing materials, insufficient technical data, and an imbalance between supply and demand. Your Association felt that it is crucial now for the SS rebar industry to unite and develop a robust roadmap for strong market growth. To achieve this, ISSDA organized a closed-door meeting on June 26, 2024, at the Taj Ambassador hotel in New Delhi. The main points discussed included the formation of a Stainless-Steel Rebar Development Committee at ISSDA, the preparation of a long-term marketing and promotional Strategy, and the establishment of a Stainless-Steel Rebar Development Fund. Decision makers and Representatives from the SS rebar industry attended this event and we will continue to hold such meetings in the near future for the growth and development of Stainless Steel market in India.



Quality Control Orders (QCO) Updates

Introducing a new section on the Quality Control Order (QCO) in "Stainless India" magazine is a strategic move to keep readers informed about the mandatory standards and licensing requirements for stainless steel and its products. Staying informed about the Quality Control Order (QCO) implemented by the Government of India and the Bureau of Indian Standards (BIS) on stainless steel raw materials and products is crucial for businesses to remain competitive in the market. The new section in "Stainless India" will provide comprehensive insights into the Quality Control Order (QCO) issued by the Government of India and the Bureau of Indian Standards (BIS). This QCO mandates specific standards and licensing for stainless steel raw materials and products, ensuring they meet rigorous quality and safety criteria.



Compliance and Certification:

Adhering to the QCO ensures that products meet specified quality and safety standards, which is essential for obtaining necessary certifications. Non-compliance can lead to penalties, rejection of products, or bans, severely impacting market presence.

Market Access:

Compliance with the QCO is often a prerequisite for selling products in the Indian market. Meeting these standards enhances a company's credibility and allows for smoother market entry and sustained presence.

Consumer Trust:

Quality assurance builds consumer confidence. When customers know that a product complies with stringent quality standards, they are more likely to prefer it over uncertified alternatives, boosting sales and market share.

Competitive Advantage:

Being updated with the latest regulations helps companies to quickly adapt and align their processes, maintaining a competitive edge over those slower to comply. It can also highlight opportunities for innovation and improvement in product quality.

For International companies involved in trade in India it is extremely important and compliance with Indian standards can facilitate smoother transactions and collaborations with Indian partners, expanding business opportunities. Staying updated on the QCO for stainless steel products is essential for compliance, market access, consumer trust, competitive advantage, trade facilitation, and risk mitigation, all of which contribute to maintaining and enhancing a company's competitive position in the market. Readers of this section will be updated on upcoming requirements of QCO and can share their views and feedbacks on our website in the query section

(https://www.stainlessindia.org/technicalquiries).

Important Website to track QCO's

https://steel.gov.in/en/quality-control-orders https://www.bis.gov.in/upcoming-qcos-notified-and-due-for-implementation/ https://dpiit.gov.in/policies-rules-and-acts/order

The Rise of Stainless Steel Water Tankers in India: A Move Towards Safe and Cost-Efficient Water Transport



India's water distribution network, heavily reliant on tanker systems, is undergoing a transformative shift. With the health and economic downsides of conventional steel tankers becoming more apparent, there's a marked increase in the adoption of stainless steel water tankers. Unlike mild steel tankers, which rust quickly, leading to contamination and higher lifecycle costs, stainless steel tankers promise safe, long-lasting, and economically viable water transportation. The shift is gaining momentum due to recent government announcements, policy initiatives, and industry advocacy supporting the adoption of stainless steel tankers.

Challenges with Mild Steel Tankers: Health Hazards and Economic Concerns

Traditional mild steel tankers, while initially cheaper, present serious drawbacks when it comes to transporting drinking water. Due to India's diverse climates and terrain, these tankers are exposed to varying environmental conditions that speed up corrosion. Rust, which forms on the inside of mild steel tankers, contaminates the water, introducing particles and compounds harmful to human health. Studies show that drinking rust-contaminated water can lead to gastrointestinal issues, increased exposure to toxic metals, and a heightened risk of diseases due to microbial growth on the rough surfaces within rusted tankers.

The economic implications are equally concerning. Mild steel tankers, prone to rapid wear and tear, demand frequent maintenance and replacements. In contrast, stainless steel tankers have a higher upfront cost but last considerably longer. When assessed through a lifecycle costing lens, stainless steel tankers prove to be more cost-effective, as they require significantly less maintenance and replacement over time. The durability of stainless steel, coupled with its resistance to rust and microbial contamination, means a cleaner water supply with reduced long-term expenditure.

Stainless Steel: The Safe, Sustainable Choice

Stainless steel, an alloy composed primarily of iron, chromium, and nickel, has a natural resistance to corrosion thanks to the chromium content, which forms a protective oxide layer. This property is crucial for water tankers, as it ensures that water remains pure and uncontaminated during transportation. Additionally, stainless steel does not react chemically with water, so it does not alter the taste or quality of drinking water. The smooth surface of stainless steel is inhospitable to bacteria, further reducing the risk of microbial contamination.

The transition to stainless steel tankers aligns with India's environmental goals, too. With a longer lifecycle, these tankers reduce the need for frequent replacements, cutting down on steel waste and minimizing the environmental footprint associated with manufacturing new tankers.

Recent Policy Initiatives and Industry Support

The government has recognized the advantages of stainless steel tankers in public water supply and has recently taken several initiatives to promote their use.

This move supports the Jal Jeevan Mission, a nationwide initiative aimed at providing safe and accessible drinking water to every household. Similarly, the Maharashtra government recently announced plans to replace mild steel water tankers with stainless steel alternatives across its water supply departments. This decision follows a pilot project that demonstrated the operational and health benefits of stainless steel tankers. Likewise, Uttar Pradesh, Telangana, Rajasthan has committed to expanding its fleet of stainless steel tankers, with officials citing reduced maintenance costs and improved water quality as the primary motivators for the change. The Indian Stainless Steel Development Association (ISSDA), along with major industry players, is supporting this shift by working closely with local governments and municipalities to educate stakeholders on the benefits of stainless steel in water transport. ISSDA has also been instrumental in that the stainless steel used in these tankers meets stringent quality standards for safe and hygienic water transportation.

The Way Forward: A Safer and More Cost-Effective Water Distribution System

India's growing adoption of stainless steel water tankers is a forward-thinking step toward ensuring that safe, clean water reaches communities across the country. Though the initial investment in stainless steel tankers is higher, the lifecycle cost analysis makes a compelling case for their use. Reduced maintenance and replacement costs, coupled with enhanced water quality, make these tankers an economically sound choice in the long run. The country's push towards stainless steel tankers could also set a precedent for other sectors where corrosion resistance and hygiene are crucial. With state governments, industry leaders, and public awareness aligning on this matter, India is well on its way to building a more robust and sustainable water distribution system. This shift not only meets the immediate needs of safe water transport but also aligns with India's broader goals for public health, economic efficiency, and environmental sustainability.

जर्जर टैंकरों की जगह लेंगे स्टील निर्मित

-तीन महीने में विभाग को मिल जाएंगे 50 टैंकर -3500 और 4500 लीटर क्षमता के

जलकल विभाग आने वाले समय में लोगों तक स्टील जिसके कारण विभाग क्षमता और आवश्यकतानसार के टैंकरों से पानी पहुंचाएगा। मौजूदा समय में वह पानी पहुंचाने के लिए वह लोहे के टैंकरों का प्रयोग कर रहा है, जो कि दशकों पुराने हैं। कई क्षतिग्रस्त हैं तो कुछ में अंदर की ओर जंग लगा हुआ है। इससे पानी की शुद्धता पर संदेह रहता है। नए टैंकर आने के बाद ज्यादा क्षतिग्रस्त टैंकर पेयजल आपूर्ति सिस्टम में बेड़े की समस्या आने पर भी टैंकर से पानी की आपूर्ति की से बाहर कर दिए जाएंगे। जलकल विभाग स्टेनलेस मांग आती रहती है। वहां जरूरत के अनुसार टैंकर को स्टील के 50 टैंकर मंगा रहा है। इसके लिए प्रक्रिया एक से दो दिन खडा रखने की मांग रहती है। टैंकरों की शुरू है। संभवतः तीन महीने में विभाग को यह मिल कमी से कई बार यह मांग पूरी नहीं हो पाती है। अब जाएंगे। इनमें से कुछ की क्षमता 3500 तो कुछ की विभाग के बेडे में नए टैंकरों के शामिल होने से यह 4500 लीटर की होगी। मौजूदा समय में विभाग के समस्या भी नहीं रहेगी। पास लोहे के 30 टैंकर हैं, वह दशकों पुराने हैं। आए दिन उनमें मरम्मत की आवश्यकता पड़ती रहती है।

पानी की आपूर्ति करने में कई बार पिछड जाता है। स्टील के नए टैंकर आने से यह समस्या नहीं रहेगी। इन टैंकरों का प्रयोग किसी बडे आयोजन, जनसभा, किसी समारोह में आवश्यकता पडने पर पानी पहुंचाने में किया जाएगा। नगर में बने अपार्टमेंटों में कई बार पानी

Report: Government encourages use of stainless steel utensils in Mid-Day Meal Scheme

The Government of India earlier issued a directive encouraging all states to use stainless steel instead of aluminium utensils for cooking and serving food under the Mid-Day Meal (MDM) scheme, a program that provides daily meals to millions of schoolchildren across the country. This direction came in response to mounting health concerns associated with the use of aluminium in food preparation and aims to safeguard children from potential adverse health effects linked to aluminium exposure.



Background: The Mid-Day Meal Scheme and Health Concerns

The Mid-Day Meal (MDM) scheme, one of the world's largest school meal programs, was launched to improve nutrition levels among school-going children, reduce malnutrition, and increase school enrollment and attendance rates. However, the quality and safety of food served under the scheme have always been a primary concern, as most of the beneficiaries are young, vulnerable children who rely on these meals for essential nutrition.

Recent studies and health research indicate that prolonged use of aluminium utensils for cooking and serving can lead to the leaching of aluminium into food, especially with acidic or hot food items. Aluminium is known to accumulate in the body, and excessive exposure over time has been associated with neurological issues, kidney problems, and other health concerns. These risks are heightened in children, whose developing bodies and organs are more susceptible to the effects of heavy metal exposure.

Response from States and Implementation Challenges Several states, including Maharashtra, Tamil Nadu, Punjab and Uttar Pradesh, have welcomed the directive, citing the importance of children's health and safety. In response, many have initiated procurement processes for stainless steel utensils, leveraging central government funds and reallocating state funds where necessary. Some states have also engaged local non-governmental organizations (NGOs) to assist in facilitating this transition, as many NGOs already play an active role in supporting the Mid-Day Meal scheme.

However, challenges remain in implementing the directive. Budgetary constraints and logistical hurdles in rural and remote areas may delay the process. Switching to safer materials like stainless steel is expected to significantly reduce the risk of health issues among children. This change is a preventive measure that can improve the overall nutritional quality and safety of the meals provided under the scheme. Furthermore, stainless steel's durability means these utensils will last longer, reducing the need for frequent replacements and thus making the switch cost-effective over time.

ISSDA welcomes government decision to encourage use of stainless steel utensils in the Mid-Day Meal scheme as it reflects a proactive approach to health and nutrition in school feeding programs. By prioritizing safe cooking practices, the government is taking an important step in protecting children's health, promoting food safety, and fostering a sustainable solution that will benefit generations of schoolchildren. This successful implementation will serve as a model for other public health initiatives, underscoring the importance of proactive, health-focused governance in India's educational ecosystem.



Stainless Steel Water Storage and Dispensing Units to Ensure Hygiene And Easy Access To Clean Water For Maha Kumbh 2025

In preparation for the Maha Kumbh 2025, scheduled to be held from January 13 to February 26, 2025 in Prayagraj, authorities have announced the installation of stainless-steel water storage and dispensing units across the city to ensure access to clean and safe drinking water for millions of devotees and tourists. This large-scale event, which attracts a significant influx of pilgrims from across the globe, has prompted the government to implement measures that prioritize both hygiene and accessibility. The use of stainless steel for these water dispensers reflects a strong commitment to maintaining health standards amidst the high congregation of people.

Ensuring Hygiene Through Stainless Steel

One of the major concerns in previous Kumbh Melas has been the challenge of maintaining sanitation and hygiene, particularly with regard to drinking water. With the expected gathering of millions, officials have recognized the importance of using materials that support the highest hygiene standards for public utilities. Grade 304 of stainless steel has been selected for the construction of tanks as well as support structure ensuring the longevity and corrosion resistance required.

Stainless steel's natural resistance to corrosion helps protect water quality by preventing rust and contamination. Unlike other metals that can corrode or release particles into the water, stainless steel provides a safe, inert barrier, ensuring the water remains pure. Stainless steel has a smooth, non-porous surface that makes it easy to clean and disinfect. This characteristic is particularly beneficial for high-traffic areas like the Kumbh Mela, where maintaining cleanliness is essential for public health. With its robustness, stainless steel can withstand harsh conditions and heavy usage without losing its structural integrity. This durability is crucial for the long-term use of these dispensers, which will be accessible to thousands of devotees daily. The material's smooth surface inhibits the growth of bacteria and other microorganisms, making it an excellent choice for environments where waterborne diseases can spread quickly.



Accessibility and Convenience for Devotees

The stainless steel water dispensing units have been strategically placed throughout the Kumbh Mela grounds to ensure that devotees can easily access safe drinking water. This initiative addresses a key logistical challenge that arises in accommodating the basic needs of a large gathering. Units will be installed at all major entry points, bathing ghats, and other congregation areas to provide ready access to clean water. With this spread-out arrangement, devotees won't have to walk far to find a water source, reducing congestion and wait times. The water dispensing units have been designed for simplicity, with easy-to-operate taps and intuitive functionality. This is especially helpful for elderly pilgrims and those who may struggle with complex mechanisms. Dedicated staff will oversee the regular cleaning and refilling of these units to ensure a continuous and hygienic water supply. The low maintenance requirements of stainless steel make it a convenient material choice for handling large crowds efficiently.

Government and Industry Collaboration

The initiative has been made possible through collaborative efforts between the local government and the stainless steel industry, supported by the Indian Stainless Steel Development Association (ISSDA). This collaboration aligns with industry ongoing efforts to promote stainless steel in public infrastructure for its health and environmental benefits. The local administration has also earmarked a budget to ensure that the installation, operation, and maintenance of these units proceed seamlessly throughout the event.

This step is part of broader improvements in sanitation and public utility services aimed at creating a safer environment for all attendees. The decision to use stainless steel water dispensing units at Maha Kumbh 2025 demonstrates a proactive approach to managing hygiene and health in large public gatherings. This measure is not only practical and sustainable but also an essential step in ensuring that millions of devotees have access to clean and safe drinking water throughout the festival. By prioritizing health and sustainability, the government, in collaboration with industry partners, is making strides toward creating a safer, cleaner, and more welcoming environment for all attendees. The success of this initiative could set a precedent for future mass gatherings, reaffirming the value of stainless steel in supporting public health and environmental goals.

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Bridging Eras: How Stainless Steel Protects Bihar Museum's Timeless Treasures



Stainless steel, with its unique properties of durability, corrosion resistance, and structural strength, has become an invaluable resource in preserving and displaying some of India's most precious cultural artifacts. The Bihar Museum, one of India's premier institutions dedicated to showcasing the state's rich history, has employed stainless steel extensively to ensure that relics of the past can be safely preserved and displayed for future generations. Here's how this modern material is bridging the gap between ancient heritage and contemporary preservation techniques

The Role of Stainless Steel in Supporting Ancient Sculptures and Idols

Ancient sculptures, stone idols, and artifacts, especially those dating back thousands of years, are often heavy and structurally vulnerable due to erosion or fractures. Stainless steel mounts, supports, and armatures have been specially designed to hold these items securely. By using stainless steel, which is highly resistant to corrosion and environmental damage, conservators are able to protect these objects from further wear. For instance, the museum's Buddha statues and intricate stone carvings, some of which weigh hundreds of kilograms, rely on stainless steel frames to ensure stability without visually obstructing the artifacts.



The metal's adaptability allows it to be crafted into custom shapes, enabling discreet and secure mounting, enhancing both the safety and aesthetics of the display. The museum's collection includes delicate pottery and ceramic pieces from ancient Indian civilizations, each with a fragile composition due to age. Stainless steel support racks provide a vibration-resistant base that protects these items from accidental breakage and environmental shifts. The stability of stainless steel is particularly effective in creating a controlled, stable environment, which is crucial for the preservation of materials susceptible to humidity or temperature variations. Stainless steel's neutral and non-reactive surface further makes it ideal for prolonged contact with ancient artifacts, unlike other metals that may cause staining or corrosion over time. By integrating stainless steel, the museum has been able to maintain both the visual appeal and integrity of these delicate items.

The Bihar Museum's approach of using stainless steel as a preservation aid, rather than altering the original artifacts, respects the authenticity of these items, allowing them to remain as close to their original state as possible while being safely displayed. Stone inscriptions and carved panels require special support to prevent further chipping and cracking. Stainless steel frames, customized to fit the exact contours of each artifact, ensure these inscriptions remain stable without obstructing the viewing experience.



This secure, contemporary solution enables the museum to place priceless inscriptions at eye level for public viewing, making ancient text more accessible and engaging while safeguarding against structural damage.

The Future of Preservation in India

Bihar Museum's use of stainless steel demonstrates a forward-thinking approach to heritage conservation, highlighting how contemporary materials can honor and protect the past. As more museums and cultural institutions in India embrace such technologies, stainless steel will continue to play a pivotal role in preserving history, ensuring that future generations can appreciate the artistic and historical richness of ancient India.



By incorporating stainless steel, Bihar Museum stands as a model of innovative conservation, where modern solutions meet ancient artifacts, securing the cultural legacy of India for years to come.

Seminar Explores Stainless Steel's Role in Alternative Fuels: Applications and Opportunities

On October 7, 2024, the Indian Stainless Steel Development Association (ISSDA), in collaboration with the Nickel Institute and the International Molybdenum Association (IMOA), and supported by Jindal Stainless Ltd, held an impactful seminar in Pune focusing on stainless steel's critical role in the alternative fuels industry, especially in ethanol and hydrogen economies. The event commenced with a warm welcome from Mr. Rohit Kumar, followed by a keynote address by Dr. K. Elayaperumal, who highlighted the importance of stainless steel's corrosionresistant qualities in ethanol production and transport. Dr. Elayaperumal underscored how stainless steel offers vast potential for manufacturers, particularly as the ethanol sector sees increasing investment globally.





Following him, Mr. Devender Devgun discussed the attributes of duplex stainless steels—known for their high strength, durability, and resistance to corrosion—and emphasized their growing demand in applications requiring exceptional performance, such as chemical processing and alternative fuel infrastructure.

Mr. Rohit Kumar presented on stainless steel's role in the hydrogen economy, detailing its crucial use in hydrogen storage and transportation systems, which require materials resilient to high pressure and embrittlement. He also elaborated on stainless steel's applications in electrolyzers and fuel cells, projecting substantial market growth as hydrogen-based technologies evolve.

The seminar concluded with a lively open discussion, where participants engaged in discussions on technical challenges and future opportunities for stainless steel in the alternative fuel sectors. Mr. Devasish Mohapatra from Jindal Stainless Ltd. offered a vote of thanks to close the event. This seminar offered valuable insights into the expanding role of stainless steel in the sustainable energy transition, spotlighting key opportunities for industry professionals.

Stainless Steel in Tunnel Construction: Paving the Way for Sustainable Infrastructure

On September 27, 2024, the Indian Stainless Steel Development Association (ISSDA) and the Tunnelling Association of India (TAI), in collaboration with the Nickel Institute, International Molybdenum Association (IMOA) and Jindal Stainless, hosted a transformative knowledge-sharing session in Kolkata, West Bengal. The focus was on "Stainless Steels – A Green & Sustainable Solution for Tunnel Construction and Applications," reflecting our commitment to sustainable infrastructure development.

The seminar was honored by the presence of Shri Anuj Mittal, Managing Director of Kolkata Metro Rail Corporation, as our esteemed Chief Guest. His commendation of our collaborative efforts underscored the importance of this gathering, emphasizing the vital role of innovation in creating resilient and long-lasting infrastructure—especially in critical projects like tunnel construction.

The session commenced with a welcome from Mr. Rajamani Krishnamurti Krishnamurthi, President of ISSDA, who articulated the pressing need for sustainable materials in our infrastructure endeavors. His words set the tone for an engaging and impactful dialogue.



Mr. R K Dhiman, President of TAI presenting bouquet to Shri Anuj Mittal, MD, Kolkata Metro Rail Corporation



Mr. S.K. Goyal CEO, JINDAL STAINLESS STEELWAY LIMITED

Mr. S.K. Goyal, CEO of JINDAL STAINLESS STEELWAY LIMITED, outlined the agenda and objectives, reinforcing the importance of knowledge exchange in fostering sustainable infrastructure solutions. His insights paved the way for a rich exploration of ideas.

Mr. R K DHIMAN AVSM VSM Former ADG BRO, President of TAI and former ADG of the Border Roads Organisation, Ministry of Defence, Government of India provided a compelling overview of the current state and future opportunities within the tunneling sector in India. His vision inspired attendees to think creatively about the road ahead.

Mr. Rohit Kumar, Executive Director of ISSDA, shared a detailed overview of stainless steel and its diverse applications in infrastructure, highlighting its exceptional corrosion resistance, durability, and sustainability. This was followed by Mr. Sandeep Singh, Head of Strategic Business at Jindal Stainless Steelway Limited, who passionately presented the advantages of stainless steel in tunnel construction, framing it as a green and sustainable solution.

Adding depth to the discussions, Suman Dutta, Technical Director at AECOM, shared a captivating case study on the construction of India's first underwater metro tunnel. He illuminated the engineering challenges faced and the critical contributions of Kolkata Metro Rail Corporation.

In an inspiring moment, Mr. R. K. singh and Chiranjib S., GC Members of TAI, encouraged active participation in upcoming initiatives, reinforcing the importance of collaboration in our industry.



New Members

A K Steel Traders A P Steel Industry **Aadinath Traders Aashirwad Industries** Abhay Steels Accurate Metals & Alloys LLP Accurate Steel Accurate Steels Accurate Steels & Engg. Co Aditya Steel Industries **Aggarwal Sons** Agrawal Steel And Pipe Depot LLP Al Baba Steels Pvt Ltd Aligarh Tubes & Shutters Pvt Ltd Ambaji Inox LLP Americo Pipe And Tubes IIP Ananya Steel Industries Anmol Steel Industries Apex Steel Apramapar Enterprises Arham Metal Impex Arihant Tubes Asb Tubes Pvt Ltd Asian Metals **ASPN Tubes Private Limited Bag Tubes** Balaji Steel Tubes Bengal Pipe Mfg. Co. **Bengal Steel Industries Best Metal Suppliers LLP** Bhagyalaxmi Steeltech Private Limited Bhagyalaxmi Steeltrade Bhandari Stainless Bharat Tube Bhavya Stainless Pvt Ltd. **Bishnu Steel** Calico Metals Chandaa Metal Tube Co **Chirag Pipe Industries City Steel Industries Clariant Steel Private Limited Classic S S Tubes D.M.Metalloys Private Limited** Daksh Dev Metal Industries **Devdeep Steel Alloys Dhruv Exim Dinesh Metal Syndicate** Empire S S Falcon Steels Fortran Steel Pvt Ltd **Ganesh Engineering Corporation** Ganesha Impex **Ganpati Steel Industries Global Stainless Globe Metal Industries Golden Steel Tubes Gouri Shankar Steels Gupta Stainless** Halco Stainless Hans Raj Tubes Private Limited

Harso Steel Private Limited **Hindustan Stainless** Hisar Properties Pvt Ltd Hisar Steels Pvt Ltd Hi-Tech Overseas Inox Metal & Tubes Interior Furnitures And Kitchen J B Tubetech Jai Hind Steel Tubes Private Jain Stainless Steel Tubes Jay Jagannath Rerolling And Steels Private Limited Jay Ramdev Steel Jayesh Stainless Pvt Ltd JBD Enterprises JCM Stainless Pvt Ltd Jindal Special Products Pvt Ltd K L Stainless India **Kamlesh Tubes Indutries** Kanakmani Industries Private Limited **KB Inox Kesar Stainless LLP Khambhlay** Tubes **Krishna Steels** Laxmi Steel Laxmi Steel House Laxmiraj Distributros Pvt Ltd LL Packaging Magna Metals Maha Laxmi Sales Corporation Mahadev Metal India Maharaja Resources Pvt.Ltd Mahaveer Impex Mahendra Metal Corporation Mahendra Steel Corporation Maheshwari Stainless Make In India Manish Metal Manoj Industries Marshal Steel And Tubes Matinox Metals Matisco Engineering & Co. **Maxinox Stainless** Maxsell Metals **Meera Steel Tubes** Metro International Metro **Metal Trading Corporation** Metro Steel Industries Mittal Steel My Steel Namdev Textiles Nandini Steel Naravani Traders Navbharat Tubes Private Limited Navin Bhimani Pipe & Tubes **Navin Enterprises** Perfect Metal India Pinnacle Steel Supplier Pinnacle Tube Pvt Ltd

Pravin Metals Premdeep Metal **Pride Steels** Pritam Steel Corporation Puneet Metals LLP Purosteel India Private Limited R R Steel Pipes R R Tubetech Radhakrishna S.S. Pipe Industries **Radhe Steel Tubes** Rajasthan Pipes Pvt Ltd **Rajendra Metal Corporation Rajendra Metal Corporation Rajeshwar Metal** Ramdev Steel **Ramsons Stainless** Ranka Metals Ravi Seamless Pipes India Pvt Ltd Riddhi Siddhi Metals **Rinku Steel Corporation Rishi Steels & Tubes** Rm And Tm Steel Industries Private Limited **RMB** Steel Industries **Rose Metals Roshan Metal** Roval Arc Electrodes Ltd **RVR Bansal Stainless Pvt Ltd** S A Steel Saanvi Steels Sagar Metal And Tubes Sainex Metals & Minerals Private Limited Salem Steel Trading Co. Sanchopal Steel Sangaar Pipe And Tubes Santhana Lakshmi Metals Santosh Steel And Pipes India Private Limited Shambhu Industries Private Limited Shib Dass Metals Private Ltd Shiv Ganga Stainless Shivkrupa Fabricon Limited Shree Bajrang Steel Udyog Shree Balaji Tubes Shree Ganesh Steel Traders Shree Ganga Industries Shree Geeta Tubes Shree Jee Stainless Shree Maruti Steel Tubes Shree Raj Industries Shree Sai Industries Shree Salasar Shree Venktesh Wires & Steels Pvt Ltd Shreeji Metals Shreeom Alloys & Tubes (P) Ltd Shri Laxmi Metal Shri Navkar Metals Ltd Shri Prayag Steel

Please find the contact details on our website at:https://www.stainlessindia.org/associatemembers

Shri Ram Steel Traders Shrinathji Tube Industries Shubham Metals Siddhi Ganesh Metal Pvt Ltd Sidharth Stainless Steel Bangalore Private Limited Sidharth Steels Sigma Industries Silvershine Stainless Pvt Ltd Sine Metal Industries Singals Buildwell (India) Limited **Skailand Exim Private Limited** SKM Steel Sky Vision India Pvt Ltd Smart Stainless Tubes Pvt Ltd SMV Tubes India Pvt. Ltd. SNB Enterprises Pvt. Ltd. **SNP** Steels

Abhinay Steel Amit Industries Anmol Metal Industries Arihant Steel Industries Ashish Ferromet Pvt Ltd Ashutosh Metal Pvt Ltd Avdesh Steel Works Pvt Ltd **B R Metal Industries** Blue Star Industries Chandresh Metal Garden Kitchenware Pvt Ltd **Gujarat Metal Industries** Hem Rolling Mills Private Ltd Ishwara Metals Private Limited J P Steel Rolling Mills J.Premchand Industries Janki Metal Strips Pvt. Ltd. **K K Rolling Mills**

Sri Varenyam Associates Stainox Alloys Pvt Ltd Startubes India Pvt. Ltd Steel City Techno Works Pvt Ltd Steel Space Pvt. Ltd. **Steel World Private Limited** Steelo Metal Impex LLP Sulekha Enterprises Sun International Sunlight Steel Industries Sunrise Metal Industries Sunrise Steel Industries Super Impex Surai Steel Pipes Swastik Metal Distributors Pvt. Ltd **Tirupati Metal & Alloys Trinox Tubes And Pipes**

New MSME Members

Kad Udyog Kohinoor Rolling Mills **KP EnterpriseM A Enterprise** Mahalaxmi Steels Malti Metal Industries Mangaldeep Metal Mangaldeep Steel Industries Manglam Steel Marvel Maya Udyog Mehta Alloys Ltd Midas Touch Stainless MMV Steel Industries Mukesh Enterprise Mukesh Udyog Metal Rolling Industries Prime Metal Pushpchhaya Industries **Ramdev Sheet Roll Ratnadip Industries**

Ujala Stainles Private Limited Uni Impex Steels Pvt Ltd Vaibhay Metal Vanguard Steel Private Limited Variety Metal Corporation Venkatesh Tubes And Pipes Private Vikash Aluminium Extrusion Vikram Industries Vinavak Industries Vindal Steels Vishnu Steels Vividium Steel Private Limited Vrt Metals Private Limited Wilson Steel Suppliers Y & Y Stainless Yeswin Pipes Sri Ram Products

S M Enterprise **S M Industries** Sagar Rolling Mills Pvt Ltd Sarvottam Udyog Sethi Metal IndustriesShayona Enterprise Shree Devkinandan Metals Private Limited Shree Laxmi Metal Rolling Mill Shree Nandkrishor Metals Pvt Ltd Shree Shubh Laxmi Rolling Mill Shri Bhumika Strips Pvt. Ltd Shri Raju Enterprise Sunrise Stainless Private Ltd Udaya Co Udaya Udhyog Virat Alloys Private Limited

Tailpiece



As we turn the page to a new chapter, the relaunch of "Stainless India" marks a significant milestone in our ongoing commitment to the stainless steel industry. After a long hiatus, we are thrilled to bring back this esteemed publication, which has been a trusted source of information, innovation, and inspiration for professionals and enthusiasts alike.

"Stainless India" returns with a renewed vision, featuring cutting-edge insights, in-depth analyses, and the latest trends shaping the future of stainless steel. Our dedication to quality content remains unwavering as we strive to connect our readers with the knowledge and tools they need to thrive in an ever-evolving industry. We extend our heartfelt gratitude to our loyal readers and welcome new ones to join us on this exciting journey. Together, we will explore the dynamic world of stainless steel, celebrate its achievements,

Rajamani Krishnamurti President, ISSDA

urti and anticipate the possibilities that lie ahead. Welcome back to "Stainless India" – where tradition meets innovation, and the future is forged in stainless steel.

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