MAURER Sanfield

A GROUP COMPANY OF MAURER SE

VISION UNITED

ADVANCED TESTING FACILITIES

30 YEARS OF CONSISTENTLY DELIVERING EXCELLENCE

ISO 14001 & 45001 CERTIFICATIONS

2024-25 I EDITION - 2

Managing Director's Desk

As we step into 2025, it's a perfect moment to pause and reflect on the incredible journey we've undertaken together as a family. Our relentless hard work and unwavering dedication have shone brightly, not only in the quality products we've delivered to our clients but also in our steadfast commitment to ensuring customer satisfaction at every turn.

This year, we've faced challenges head-on, pushing ourselves beyond our limits to achieve our goals. Our creativity and innovation have been key to our success, allowing us to navigate obstacles with fresh perspectives and a passion for seeing every project through to completion.

I'm deeply proud of the commitment each of you has shown to our mission. Your determination and drive have been a constant source of inspiration, fuelling our collective ambition to reach new heights.

As we move forward, let's take a moment to celebrate the teamwork and collaboration that have been the cornerstone of our success. It's this unity that has kept us strong and moving forward, no matter the challenges that have come our way.

Here's to a prosperous and fulfilling 2025! May we continue to climb higher, together as a team, and reach new milestones in the year ahead.

Mahesh Rajwani
(Managing Director)

Director's Desk

We started this magazine to give you a glimpse of Maurer Sanfield's Journey through out the year. Though we faced different challenges, Our unwavering commitment to quality, innovation, and teamwork has enabled us to achieve milestones that inspire us to aim higher every day.

2024 has been a year of transformation and progress, with a focus on technological advancements, sustainability, and skill development. Our testing facilities, advanced manufacturing infrastructure, and dedication to training our workforce allow us to stay at the forefront of the industry. At MSIL, We believe that our success is hinged on the expertise and dedication of its employees and thus I urge to you all to carry the same allegiance in the new year and lets strive together to surpass the targets of previous years.

As step into promising future, I hope and wish that each one of you and your love ones have a healthy and positive year ahead and that you emerge as a better version of yourself. With That, I would like to express my gratitude to our helpers and the ground - level staff for ensuring the convenience and cleanliness of our workspace.

Moreover, another round of appreciation for all our customers, vendors and stake holders for their continual trust and support. Together, we are not only building resilient structures, but also a legacy of excellence, commitment & responsibility.

Best Wishes !!!

Laveena Rajwani (Director)

MSIL Head Office (Bhopal)

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HIGH-SPEED RAIL CORRIDOR (BULLET TRAIN)

MUMBAI-AHMEDABAD

The **Mumbai-Ahmedabad High-Speed Rail Corridor,** India's first **Bullet train** project, represents a revolutionary leap in the country's transportation sector. Spearheaded by the **National High-Speed Rail Corporation Limited (NHSRCL),** the project aims to connect Mumbai and Ahmedabad through a high-speed rail line spanning approximately 508 kilometers. Designed to achieve speeds of up to 320 km/h, the rail corridor is set to drastically reduce travel time between the two cities to just over two hours, compared to the usual seven-hour journey by conventional means. The ambitious project, development in collaboration with **Japan,** leverages cutting- edge **Shinkansen technology** to deliver high - speed rail services , making it a pioneering effort in India's Transportation sector.

A cornerstone of this ambitious endeavor is the cutting-edge technology and high-quality materials integrated into its construction. **Maurer Sanfield India Limited (MSIL),** a leader in structural engineering solutions, has played a pivotal role by supplying essential components that ensure the durability and functionality of the rail infrastructure.

The Company Contributed **12,000 elastomeric bearings**, more than **56 lakh (5.6 million) couplers and threading services, 1.5 lakh (150,000) sonic tubes,** and over **more than 100 metric tones PT bars.**

With over **56 lakh (5.6 million) couplers** provided, along with comprehensive threading services, **MSIL** has contributed significantly to the structural integrity of the rail corridor.

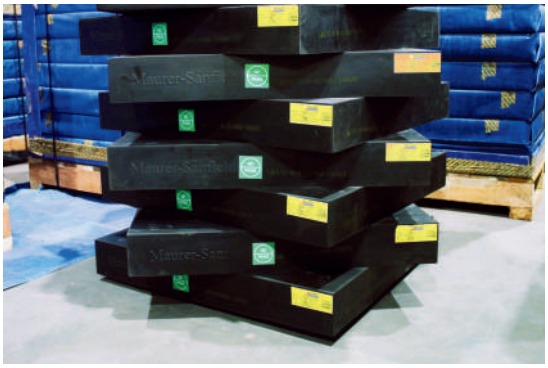
OUR PROJECTS

These couplers are essential for connecting reinforcement bars, ensuring a strong and stable framework that can withstand the dynamic forces exerted by high-speed trains.

MSIL has also supplied more than **1.5 lakh (150,000) sonic tubes (50mm/150mm)**, which are used in the construction of deep foundations. These tubes facilitate the testing of concrete integrity through ultrasonic waves, ensuring that the foundations are sound and capable of supporting the massive loads imposed by the high-speed rail structures.

The contribution of over **more than 100 metric tones post-tensioning (PT) bars** by **MSIL** was critical for the construction of pre-stressed concrete structures within the corridor. These **PT bars** enhance the load-bearing capacity of the concrete elements, allowing them to efficiently handle the stresses induced by high-speed rail operations.

Maurer Sanfield India Limited's extensive contributions to the **Mumbai-Ahmedabad High-Speed Rail Corridor** exemplify its commitment to quality and innovation in infrastructure development. and plays a vital role in the successful implementation of this groundbreaking project, which is set to redefine the future of rail transportation in India.



The New Pamban Bridge

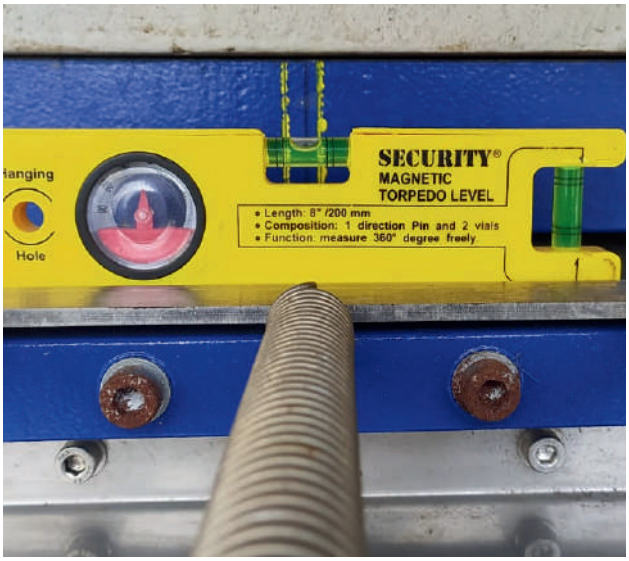
India's First Vertical Lifting Sea Bridge

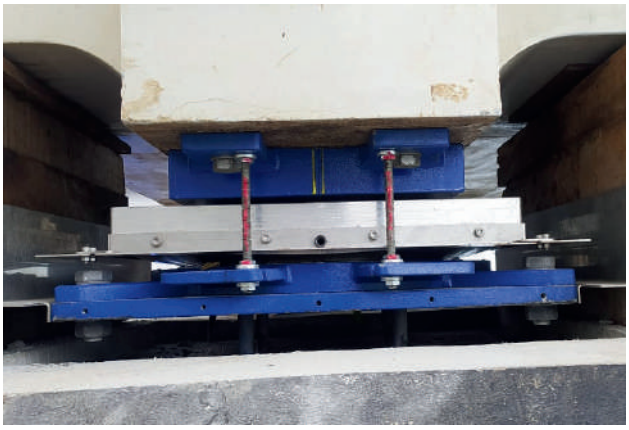
The **New Pamban Bridge,** set to be India's first vertical lifting sea bridge, is a marvel of modern engineering and a significant milestone in the country's infrastructure development. Spanning the Palk Strait, this bridge will connect the town of **Rameshwaram on Pamban Island** to the Indian mainland, playing a crucial role in enhancing connectivity and boosting the local economy.

The **New Pamban Bridge i**s designed to replace the **existing century-old Pamban Bridge**, which has been an iconic structure and a vital link for rail transportation. However, with time, the need for a more robust, technologically advanced structure has become apparent. The new bridge, with its vertical lifting mechanism, represents the next generation of infrastructure, designed to accommodate both increased maritime traffic and the growing needs of rail transportation.

Innovative Vertical Lifting Mechanism

One of the standout features of the New Pamban Bridge is its vertical lifting span, a first in India. This advanced mechanism allows a section of the bridge to be lifted vertically, facilitating the passage of ships and boats beneath. This design not only ensures uninterrupted maritime traffic but also minimizes the operational downtime for rail services. The bridge is expected to have a double-track rail line, which will significantly improve the capacity and efficiency of train operations between the mainland and Rameswaram.





SIP Bearings: Ensuring Structural Integrity and Durability

A critical component of the New Pamban Bridge is the specialized bearings used in its construction. Maurer Sanfield India Limited, a leader in the field of structural bearings and expansion joints, has supplied the SIP-FZ bearings for this project. These bearings are essential in managing the dynamic loads and movements the bridge will experience, particularly given its location in a high-wind and seismic zone.

The SIP-FZ bearings used in the New Pamban Bridge have a remarkable bearing **capacity of 9300 kN** and can accommodate movements of **up to 125 mm.** These specifications are crucial for ensuring the bridge's durability and safety under the harsh conditions of the marine environment. The bearings allow for controlled movement, reducing stress on the bridge's structure and ensuring a long service life.

Maurer Sanfield's involvement in the **New Pamban Bridge project** underscores the company's expertise in delivering high-performance engineering solutions for critical infrastructure. The **SIP-FZ bearings** are specifically designed to withstand the complex forces at play in a sea bridge, ensuring the **New Pamban Bridge** remains safe, stable, and operational for decades to come.

IIn conclusion, the **New Pamban Bridge** is not just a testament to India's engineering prowess but also a symbol of the country's commitment to advancing its infrastructure to meet future demands. The integration of advanced components like the **SIP-FZ bearings by Maurer Sanfield India Limited** ensures that this iconic structure will stand the test of time, providing reliable service to the region for years to come.

Sudarshan Setu (New Dwarka Bridge) Project

Engineering Excellence with Advanced Viscous Dampers

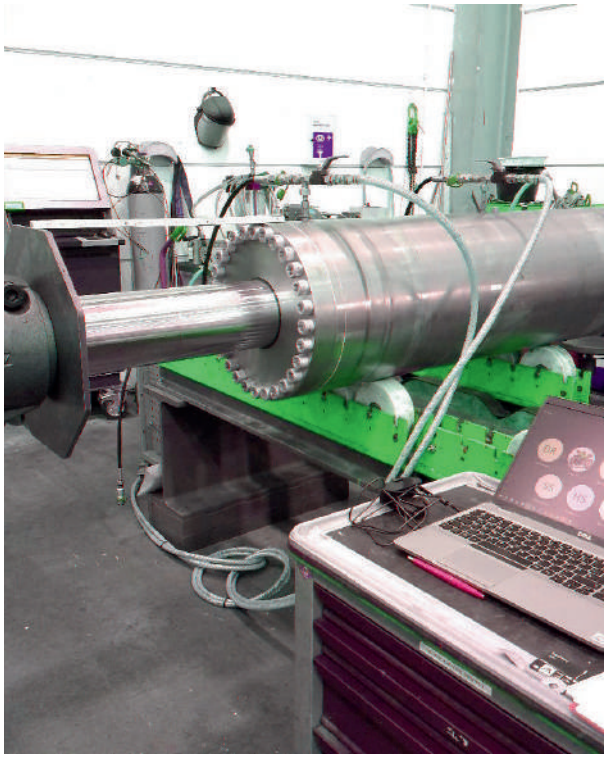
The Sudarshan Setu, also known as the **New Dwarka Bridge**, is a vital infrastructure project designed to enhance connectivity and streamline traffic flow in the bustling city of **Dwarka, Gujarat.** This modern bridge is strategically located over the **Gomti River** and serves as a critical link between key urban areas, aiming to reduce congestion and improve travel efficiency for both residents and visitors. The project showcases advanced engineering and innovative solutions to **ensure long-term durability, safety, and resilience.**

Viscous Dampers by Maurer Sanfield India Limited

A key feature of the Sudarshan Setu is the incorporation of **12 viscous dampers with a capacity of 5000 kN** and a **movement range of +255 mm,** supplied by **Maurer Sanfield India Limited.** These **advanced dampers** are critical components that enhance the bridge's stability, safety, and longevity, especially in response to dynamic forces such as traffic loads, wind, and seismic activity..

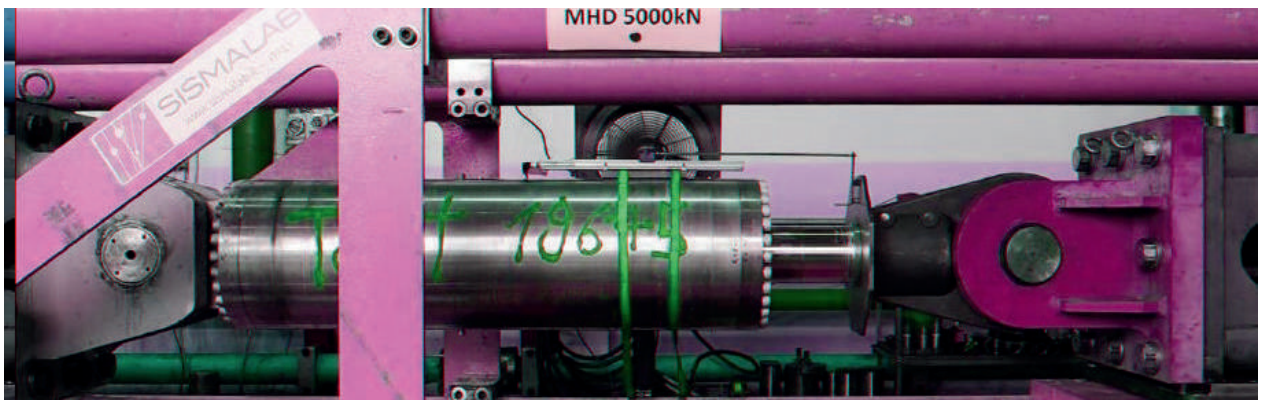
The **viscous dampers** are designed to absorb and dissipate energy generated by vibrations and dynamic loads, thereby minimizing structural stress.

They play a crucial role in controlling the movement of the bridge deck, reducing oscillations, and ensuring that the bridge remains stable under varying loads and environmental conditions. With a capacity of 5000 kN, these dampers are engineered to handle significant force, providing robust protection against extreme loads. **The +255 mm movement range** allows the dampers to accommodate a wide spectrum of displacements, ensuring optimal performance during everyday use and in the event of extraordinary circumstances such as earthquakes.



The installation of these dampers significantly enhances the bridge's overall safety, protecting the structure from potential damage and prolonging its service life. This cutting-edge technology helps maintain the bridge's structural integrity, minimizing maintenance needs and ensuring uninterrupted operation.

The **Sudarshan Setu (New Dwarka Bridge) project** exemplifies the fusion of modern engineering and advanced technology to create a resilient and reliable infrastructure asset for Dwarka. The integration of **high-capacity viscous dampers** supplied by **Maurer Sanfield India Limited** underscores the commitment to safety, sustainability, and innovation. As an essential link within the city's transport network, the bridge not only improves connectivity but also stands as a testament to the progressive approach in India's infrastructure development.



GREEN PVC PROJECT IN MUNDRA

A STEP TOWARDS SUSTAINABLE INFRASTRUCTURE

The **Green PVC Project in Mundra** represents a significant advancement in sustainable infrastructure development in India. As part of the larger efforts to enhance environmentally friendly construction practices, this project aims to reduce the carbon footprint associated with building materials and processes. Located in Mundra, Gujarat, the project is pivotal in supporting India's push towards green technology and sustainable industrial growth.

The **Green PVC Project** is focused on the production and supply of **Polyvinyl Chloride (PVC)**, a versatile material widely used in various construction and industrial applications. What sets this project apart is its commitment to sustainability, ensuring that the production processes align with global environmental standards. By leveraging **advanced technology**, the **project minimizes energy consumption**, **reduces waste**, and **incorporates eco-friendly** practices throughout the production lifecycle.

Maurer Sanfield India Limited's Contribution

Maurer Sanfield India Limited (MSIL) has played a crucial role in the **Green PVC Project** by supplying essential components and services that ensure the project's success. Their involvement underscores the company's commitment to supporting green initiatives and contributing to the development of sustainable infrastructure.

Supply of 5.62 Lacs+ Couplers

Couplers are critical in ensuring the structural integrity and connectivity of components in various construction applications. **Maurer Sanfield India Limited** supplied over **5.62 Lacs (562,000+)** high-quality couplers for the **Green PVC Project.** These couplers are designed to meet stringent quality standards, ensuring durability and reliability in various construction scenarios. The couplers play a vital role in achieving seamless connections in PVC structures, enhancing the overall stability and safety of the project.

7.74 Lacs+ Threading Service

In addition to supplying couplers, MSIL provided extensive **threading services**, with over **7.74 Lacs (774,000+)** threading operations completed for the **Green PVC Project.** Threading is a crucial process that allows for the secure joining of PVC components, ensuring that the connections are robust and leak-proof. The precision and efficiency of the threading services offered by **MSIL** contribute to the project's **high standards of quality and performance.**

The Green PVC project in Mundra is not just an industrial endeavor; it is a statement of India's commitment to sustainable industrial practices. The project is designed with a focus on reducing carbon emissions, optimizing energy use, and minimizing waste, aligning with global environmental goals. MSIL's contribution of couplers and threading services is integral to the project's infrastructure, ensuring that the facility operates smoothly, efficiently, and in an environmentally responsible manner.

By supplying high-quality couplers and threading services, **Maurer Sanfield India Limited** has reinforced its reputation as a reliable partner in India's industrial growth. Their involvement in the **Green PVC project highlights** their ability to support large-scale, environmentally conscious projects, contributing to the broader vision of sustainable industrial development in India.

SHRI RAM JANMABHOOMI, AYODHYA PROJECT

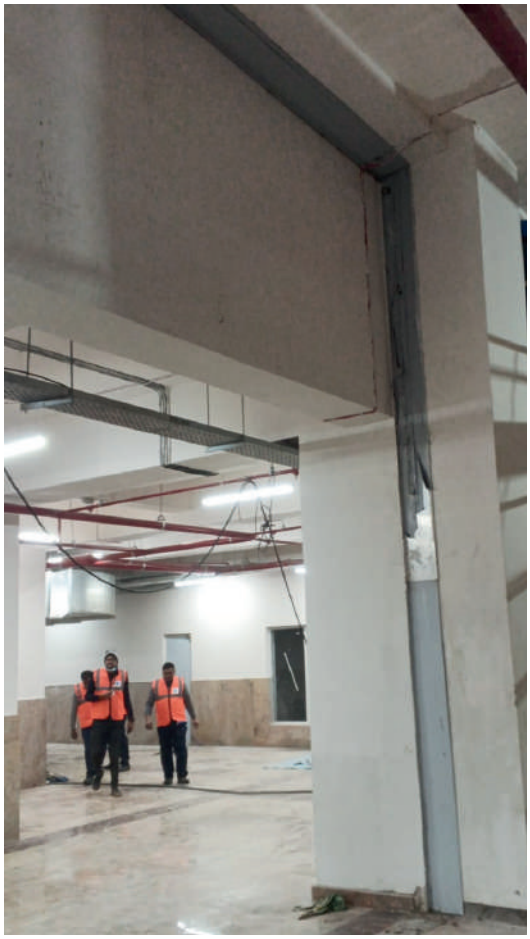
A SYMBOL OF CULTURAL HERITAGE AND ENGINEERING EXCELLENCE

The **Shri Ram Janmabhoomi temple** in **Ayodhya** is a landmark project of immense cultural, religious, and historical significance in India. The temple stands on the site believed to be the birthplace of **Lord Ram,** and its construction represents a culmination of decades of legal, political, and social efforts to build a grand temple in his honor. This iconic project is being developed under the guidance of the **Shri Ram Janmabhoomi Teerth Kshetra Trust,** with the architectural vision blending traditional Indian temple design with modern engineering innovations to ensure durability and longevity.

As the temple rises to become a symbol of devotion and heritage, it is also a significant engineering marvel. The construction of the temple demands precision, quality, and materials that can withstand environmental stresses and ensure structural stability for centuries. **Maurer Sanfield India Limited (MSIL)** has been entrusted with providing essential components for the temple's construction, including state-of-the-art **architectural expansion joints.**

Maurer Sanfield India Limited's Contribution

Maurer Sanfield India Limited is playing a crucial role in ensuring the durability and safety of the **Shri Ram Janmabhoomi temple** through the supply of high-quality **architectural expansion joints**. These joints are designed to accommodate movements caused by temperature fluctuations, seismic activity, and structural shifts, ensuring that the temple remains stable and free from stress-induced damage over time. Some of the key architectural expansion joints supplied by **MSIL** for this project .



- **SAPS-600C (24 RM):** A robust solution designed to provide exceptional load-bearing capacity and accommodate horizontal and vertical movements. Ideal for areas requiring structural stability and enhanced durability.
- **SAPS-600 (65 RM):** Suitable for areas exposed to higher thermal and seismic activities, these joints ensure smooth operation under challenging conditions.
- **SNPG-600 (6.1 RM):** A specialty joint with precision engineering to address narrow-gap requirements while maintaining flexibility and load resistance.
- **SNJG-600 (116 RM):** Optimized for accommodating both longitudinal and transverse movements, offering long-term reliability in heavily utilized areas of the temple.

- **SNPG-600 (82 RM):** Engineered for environments with variable loading and climatic conditions, ensuring seamless performance over time.
- **SACP-290X3 MM (80 RM):** A compact and versatile solution for complex structural configurations, designed to blend functionality with visual harmony.

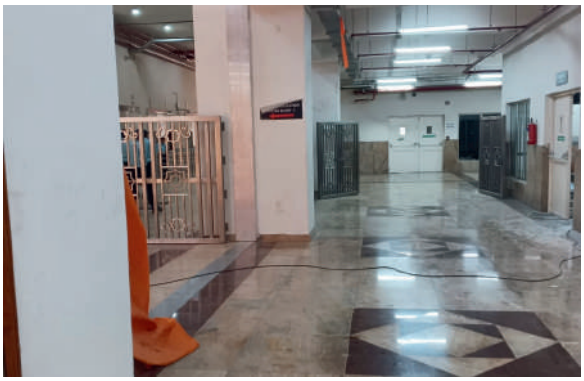
Special Features :

The architectural expansion joints supplied by **Maurer Sanfield India Limited** for the Shri Ram Janmabhoomi project boast a special feature of having **no exposed fasteners at the top plate of the vertical wall expansion joint system**. This innovative design enhances both safety and aesthetics by providing a clean, seamless appearance while ensuring durability and performance. This feature aligns with the temple's structural elegance and ensures long-term functionality with minimal maintenance requirements, making it ideal for iconic structures.

Ensuring Durability and Stability

The architectural expansion joints supplied by **MSIL** are integral to the long-term durability of the Shri Ram Janmabhoomi temple. By effectively absorbing movement and preventing cracks, these joints help preserve the structural and aesthetic integrity of the temple, ensuring that it stands the test of time. MSIL's high-performance products are tailored to meet the specific demands of such a monumental project, contributing significantly to the stability and safety of the temple.

In conclusion, the collaboration between Maurer Sanfield India Limited and the Shri Ram Janmabhoomi project reflects the importance of modern engineering in preserving ancient architectural styles. Through the supply of specialized expansion joints, MSIL ensures that this iconic structure will remain a symbol of India's heritage and architectural brilliance for generations to come.



NEW GANGA PATH BRIDGE, PATNA, BIHAR

A NEW ERA IN CONNECTIVITY

The New Ganga Path Bridge project in **Patna, Bihar**, is a significant infrastructure undertaking aimed at enhancing connectivity in the region. Often referred to as the **Patna Marine Drive**, this ambitious project is designed to reduce travel time, ease congestion, and provide seamless access between **Patna** and surrounding regions across the **Ganges River**. The bridge, a part of the larger **Ganga Path Expressway project,** holds immense potential for boosting local economies by improving transportation efficiency and opening up new avenues for trade and tourism.

The **New Ganga Path Bridge,** spanning across the mighty **Ganges**, is a marvel of modern engineering. Once completed, it will connect **Patna's eastern** and **western sides**, providing direct access to important regional highways. The bridge will help in decongesting Patna's core areas, easing traffic, and reducing travel time for daily commuters and long-distance travelers alike. More importantly, the bridge is poised to play a pivotal role in enhancing socio-economic development by facilitating smoother transport of goods and services across Bihar and neighboring states.

Maurer Sanfield India Limited's Contribution

Maurer Sanfield India Limited (MSIL), a key player in the construction of large-scale infrastructure projects, is proud to be a part of the **New Ganga Path Bridge's** construction. The company has supplied a wide range of critical components, including high-strength **MSIL PT Threaded Bars, Nuts, and Couplers,** to support the construction of this mega project. **MSIL's** specialized products are vital to ensuring the structural integrity and long-term durability of the bridge.

Key Products Supplied by Maurer Sanfield India Limited

The **MSIL PT Threaded Bar** is a high-tensile steel component that plays a crucial role in post-tensioning, a method used to strengthen and stabilize large concrete structures like bridges. Post-tensioning ensures that the bridge can withstand heavy loads and dynamic forces over its lifetime. **MSIL** has supplied threaded bars of various diameters to meet the specific needs of the **New Ganga Path Bridge.** These bars offer exceptional durability, tensile strength, and resistance to environmental wear and tear.

- **32mm diameter: 48 metric tons (MT) supplied**
- **36mm diameter: 360 MT supplied**
- **40mm diameter: 1184 MT supplied**
- **50mm diameter: 2212 MT supplied**

The **SIL PT Nuts** provided by **MSIL** complement the threaded bars, ensuring a secure and reliable fit. These high-strength nuts are designed to endure extreme pressures and stresses during the tensioning process, contributing to the bridge's structural soundness. The nuts play a critical role in the anchorage system of post-tensioned structures, providing long-term stability.

- **32mm diameter: 96 MT supplied**
- **36mm diameter: 720 MT supplied**
- **40mm diameter: 2368 MT supplied**
- **50mm diameter: 4464 MT supplied**

Couplers are essential in joining two lengths of threaded bars to create a continuous line of reinforcement without the need for welding. **MSIL** has supplied couplers specifically designed for post-tensioning applications, providing seamless connectivity and alignment during the construction process. These couplers ensure that the threaded bars remain firmly in place, even under heavy loads and stress, thus enhancing the overall safety and longevity of the structure.

- **36mm, 40mm, and 50mm PT Bars: 1010 MT supplied in total**

MSIL also provided End Plates in various sizes to support the post-tensioning system:

- **200x200x60mm**
- **140x140x50mm**
- **160x160x60mm**
- **110x110x40mm**

These plates are used at the ends of the post-tensioned cables or bars, distributing the stress over a larger area and preventing localized damage to the concrete. The end plates enhance the overall durability of the structure, ensuring that the bridge remains structurally sound even under heavy loads.

High-Quality Materials

A structure of this magnitude demands not just engineering brilliance but also the use of superior-quality materials that ensure durability, strength, and safety. **Maurer Sanfield India Limited (MSIL)** has made significant contributions to this landmark project by supplying an array of high-performance materials specifically engineered to meet the stringent demands of modern bridge construction.

Conclusion

The **New Ganga Path Bridge** will be a game-changer for Patna and the entire region, improving transportation links and driving economic growth. **Maurer Sanfield India Limited's** role in supplying specialized post-tensioning materials showcases its expertise and commitment to supporting India's critical infrastructure development. With its high-quality **SIL PT Threaded Bars, Nuts, and Couplers, MSIL** is proud to contribute to this iconic project that will have a lasting impact on the people of Bihar and beyond.

INTRODUCTION OF ADVANCED TESTING FACILITIES

MSIL'S ADVANCED TESTING FACILITIES AND INFRASTRUCTURE

Maurer Sanfield India Limited (MSIL) is committed to delivering high-quality engineering products and solutions, particularly in infrastructure projects like high-speed rail corridors, bridges, and iconic structures. This commitment to quality is reflected in the company's robust testing facilities and infrastructure, which ensures that every product meets international standards of precision, safety, and durability. **MSIL's** state-of-the-art testing facilities are equipped with a wide range of instruments and machinery, critical for performing extensive quality checks on their products. Let's explore some of these facilities in detail.

ADVANCED TESTING EQUIPMENT

Universal Testing Machine (UTM) and Universal Tensile Tester

MSIL uses the **Universal Testing Machine and Universal Tensile Tester** measures material properties under tension, compression, and bending. It uses load cells and extensometers to provide precise digital data on strength, elasticity, and deformation, ensuring accurate analysis and quality control in various materials testing applications. The test is carried out at ambient temperature between 10°C and 35 °C, unless otherwise specified. Tests carried out under controlled conditions shall be made at a temperature of 23 °C ± 2°C.

Digital Rockwell cum Brinell Hardness Tester (Rockwell Hardness Scale)

The **Rockwell and Brinell hardness testers** measure material hardness by indentation. Rockwell uses a diamond cone or steel ball indenter and calculates hardness based on penetration depth under a major load. Brinell employs a steel or carbide ball, applying a specified load to create an indentation, and hardness is derived from the indentation diameter. Both methods provide valuable information about material resistance to deformation.

INTRODUCTION OF ADVANCED TESTING FACILITIES

Computerized Tensile Tester:

The **Computerized Tensile Tester**, measured using a tensile testing machine, quantifies a material's rigidity by assessing its response to shear stress. During testing, a sample undergoes controlled shear forces, and the resulting deformation is recorded. The modulus is calculated by dividing the applied shear stress by the resultant shear strain, providing insights into the material's stiffness and structural integrity, crucial for applications requiring precise mechanical performance.

Digital Sensor Thermometer and Digital Thermo Hygrometer:

Temperature and humidity can significantly affect material properties, and **MSIL's testing facilities** are equipped to monitor these environmental factors. The **Digital Sensor Thermometer** provides accurate temperature readings, while the **Digital Thermo Hygrometer** tracks humidity levels. These tools are critical for testing materials in controlled conditions that simulate real-world environments.

Digital Impact Machine (Charpy or IZOD)

Impact tests are used in studying the toughness of the material. A material toughness is a factor in its ability to absorb energy during plastic deformation. Brittle materials have low toughness due to the small amount of plastic deformation they can endure. The impact value of a material can also change with temperature. Generally, at lower temperatures, the impact energy of a material is decreased. The size of the specimen may also affect the value of the impact test because it may allow a different number of imperfections in the material, which can act as stress risers.

Specimen Cutting Machine

A **specimen cutting machine** precisely slices materials for testing, ensuring uniformity and accuracy. It operates using a robust blade or laser guided by automated controls, facilitating clean cuts with minimal deformation. The machine's precision enhances the reliability of subsequent analyses, vital for quality control and research. Adjustable settings accommodate various materials and dimensions, ensuring versatility in preparing specimens for mechanical, chemical, or structural evaluation.

INTRODUCTION OF ADVANCED TESTING FACILITIES

Rubber tensile Testing Machine

A rubber tensile testing machine evaluates the mechanical properties of rubber by measuring its response to tensile (stretching) forces. The machine clamps a rubber specimen at both ends and applies a controlled, increasing axial force. Key principles include precise force application and accurate elongation measurement. As the specimen elongates, sensors record the force and elongation data, which is then used to determine properties such as tensile strength, elongation at break, and modulus of elasticity. The test follows standardized procedures to ensure repeatability and reliability, providing critical information for material selection and quality control in rubber manufacturing.

Steel Surface Preparation Machine

Steel surface preparation machines operate by using mechanical, chemical, or abrasive techniques to clean and prepare steel surfaces for further processing. The primary principles involve removing rust, scale, old coatings, and contaminants to ensure proper adhesion of new coatings or treatments. Methods such as sandblasting, shot blasting, grinding, and chemical treatments are employed to achieve a clean and roughened surface. The process enhances the steel's durability, improves corrosion resistance, and ensures optimal performance of protective coatings. The choice of method depends on the steel's condition, desired surface profile, and specific application requirements.

CUTTING-EDGE SENSORS AND MONITORING DEVICES

Displacement Sensor:

The **displacement sensor** measures minute changes in position, helping evaluate how materials and components behave under stress. This is crucial for ensuring that products like expansion joints and bearings perform effectively without significant deformation.

Digital Level and Slope Meters:

Accurate alignment and **slope measurement** are essential during the installation and testing of infrastructure components. The Digital Level and **Slope Meters** allow for precise measurements, ensuring proper alignment and orientation of structural components, which is essential for long-term stability and safety.

MSIL's comprehensive range of **testing facilities, instruments,** and infrastructure represents the company's unwavering dedication to quality and innovation. With tools like **Universal Testing Machines, and advanced environmental testing instruments, MSIL** ensures that every product meets the rigorous demands of modern infrastructure projects. The cutting-edge technology employed in their testing facilities allows MSIL to consistently deliver products that are both reliable and durable, maintaining their leadership in the infrastructure and engineering solutions industry.

EMPOWERING WOMEN IN THE WORKFORCE

EMPOWERING WOMEN IN THE WORKFORCE

MAURER SANFIELD INDIA LIMITED'S COMMITMENT TO GENDER EQUALITY

In today's rapidly evolving industrial landscape, **Maurer Sanfield India Limited (MSIL)** stands out as a company dedicated to promoting gender diversity, inclusion, and women empowerment across all levels of the organization. **MSIL's** commitment to fostering a supportive work environment has enabled women employees to thrive in various roles, from operating advanced machinery to holding **critical positions** in **HR, administration, and top management.**

Women in Hi-Tech Roles : Redefining the Workforce

At the core of **MSIL's** technological advancements is a diverse team of skilled professionals, including women who operate hi-tech, cutting-edge machines with precision and expertise. Traditionally considered male-dominated, this field has seen a remarkable shift as **MSIL** has empowered women to take charge of complex machinery and engineering processes.

Operating advanced technology requires not only technical know-how but also a deep understanding of engineering concepts. **MSIL's** women operators have broken stereotypes by mastering these roles, contributing to the company's productivity and technological innovation. With rigorous training and continuous professional development, these women have become indispensable assets to the company, proving that gender is no barrier when it comes to excelling in technology-driven roles.

Leadership and Strategic Roles:
Paving the Way Forward

Maurer Sanfield India Limited's vision of **women empowerment** goes beyond technical roles. Women at **MSIL** are actively contributing in leadership and strategic positions across **HR, administration, and higher-level management.** These women play a vital role in shaping the company's policies, driving employee engagement, and ensuring operational efficiency. In **HR, women professionals at MSIL** focus on creating an inclusive culture, ensuring equal opportunities for all employees, and fostering a positive work-life balance.


ACE
DESIGNERS
SUPER JOBBER

They are instrumental in spearheading initiatives that support employee well-being, diversity, and talent development, ensuring that **MSIL** remains a preferred employer for both women and men. In administration and finance, women leaders manage day-to-day operations with precision and diligence, ensuring seamless coordination between departments and delivering results aligned with business goals. Their role in overseeing vital functions and improving operational workflows ensures that **MSIL** runs efficiently.

Women in Higher-Level Management and the Boardroom

Perhaps the most significant indication of **MSIL's** commitment to **women empowerment** is the presence of **women in higher-level management**, including **director-level roles**. These women are responsible for shaping the company's long-term vision and strategies, leading growth initiatives, and ensuring **MSIL's** alignment with global industry trends.
Their voices are influential in decision-making processes, and their leadership inspires not only other women within the organization but also men to strive for excellence. The diverse perspectives brought to the table by these women leaders foster innovation, drive sustainable growth, and ensure that **MSIL** remains competitive in a fast-evolving market.

A Culture of Empowerment and Inclusion

At Maurer Sanfield India Limited, empowering women is not just a policy—it's a culture. The company continually invests in training and development programs, offering mentorship opportunities, and creating platforms for women to thrive. Through its progressive policies and inclusive approach, MSIL is cultivating a workplace where women are encouraged to explore their potential, take on new challenges, and rise to leadership roles.

The commitment to gender diversity has led to a more balanced and dynamic workforce, contributing to the company's success and setting an example for the industry. Maurer Sanfield India Limited's ongoing dedication to women empowerment reflects its belief that when women succeed, everyone benefits.
By embracing a culture of empowerment, MSIL is not only advancing women's development within the organization but also contributing to a broader societal shift toward gender equality in the workplace.

INTRODUCTION OF NEW RUBBER PLANT

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MSIL INTRODUCES STATE-OF-THE-ART RUBBER PLANT

The rising infrastructure and transportation demands in India have triggered a significant increase in the requirement for high-quality elastomeric bearings. To meet this growing need, we are proud to announce the establishment of a new state-of-the-art rubber manufacturing plant dedicated to producing elastomeric bearings.

Elastomeric bearings play a vital role in modern construction, providing essential flexibility, durability, and strength to bridges, viaducts, and other critical structures. These bearings are instrumental in ensuring the safety and longevity of infrastructure by accommodating structural movements caused by traffic, temperature variations, and seismic activities. Recognizing their importance, this new facility is strategically designed to cater to the heightened demand, particularly from our marquee projects.

Meeting Escalating Demand with Precision

The increasing demand for elastomeric bearings stems from India's relentless pursuit of world-class infrastructure. From high-speed rail corridors to mega bridges, these projects necessitate precision-engineered bearings to ensure long-term reliability. Among our hallmark projects that utilized elastomeric bearings are:

- **Mumbai-Ahmedabad High-Speed Rail Corridor:** This ambitious bullet train project has witnessed the supply of over 12,000 elastomeric bearings to support its groundbreaking infrastructure, providing superior load-bearing capacity and flexibility.
- **Mumbai Trans Harbour Link (MTHL):** A testament to urban mobility innovation, the MTHL project required advanced elastomeric bearings to address the complex structural dynamics of this sea link.
- **Pamban Bridge:** Celebrated as an engineering marvel, the Pamban Bridge integrated elastomeric bearings to withstand challenging marine environments and dynamic loads.
- **Other Major Projects:** Our bearings have been utilized in numerous other iconic developments, solidifying our reputation for delivering unmatched quality.


WEIGHING

INTRODUCTION OF NEW RUBBER PLANT

Cutting-Edge Infrastructure

This new plant will be an advanced facility featuring:

- **Enhanced Production Capacity:** The facility will significantly expand our production capabilities, ensuring the timely delivery of elastomeric bearings for ongoing and upcoming projects.
- **Stringent Quality Assurance:** The plant will implement rigorous testing protocols to maintain compliance with international standards.
- **Sustainability Focus:** The production processes will incorporate eco-friendly techniques, aligning with our commitment to sustainable manufacturing.

Strengthening National Infrastructure

The establishment of this plant also underscores our dedication to contributing to India's infrastructural development. It will not only bolster our ability to meet client demands but also generate employment opportunities and foster technological innovation within the country's engineering landscape.

Additionally, the new plant positions us as a strategic partner for upcoming infrastructure projects, including expansion plans for high-speed rail systems, expressways, and advanced urban transit solutions. With this enhanced capacity, we aim to further support India's vision for advanced, resilient, and sustainable infrastructure.

A Commitment to Excellence

By setting up this new manufacturing facility, we reaffirm our commitment to excellence and innovation in elastomeric bearings production. Our clients can continue to rely on us for world-class products that meet the most stringent specifications, empowering their ambitious projects with dependable solutions.
As India embarks on an era of rapid infrastructural growth, our new plant will serve as a cornerstone in our efforts to build the foundations of tomorrow. With unparalleled expertise and advanced technology, we are poised to lead the way in delivering superior elastomeric bearings for a brighter and more connected future.

ACHIEVEMENT OF OUR ELECTRICAL CONTRACTS DIVISION

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A RELIABLE PARTNER IN RAILWAY ELECTRICAL PROJECTS

M**aurer-Sanfield India Limited** is a distinguished name in contracts and electrical works, specializing in managing railway-based projects with a core focus on electrical tenders. From tender acquisition to project completion, including material supply and service delivery, the company handles all aspects of the contractual process. It excels in executing a diverse range of railway projects, including Traction Distribution (TRD), AT-based projects, CLS projects, and SCADA systems, catering to several Indian Railways zones like Western, Central, North Central, West Central, and Southern Railways. The company upholds stringent quality, compliance, and safety standards, cementing its position as a trusted partner in the railway sector.

Key Milestones :

Maurer Sanfield has achieved significant milestones through its involvement in high-impact railway electrical projects:

- **Vadodara CT PT Project –** Installation of 132kV Current and Potential Transformers for Energy Meters (ABT) across Vadodara division traction substations.
- **Kapadvanj TSS Project –** Design, supply, and commissioning of a 66/27 kV Traction Substation with shunt capacitor banks and transformers for the Western Railway, Gujarat.
- **Bhopal Ramganj Mandi Project –** Laying and commissioning of HT-33kV/11kV XLPE cables and crossing modifications for Western Railways.
- **Vadodara Amrit Bharat Scheme –** Execution of general electrical works under the Central Government's Amrit Bharat initiative.
- **Vadodara AT CLS Project –** Installation of auxiliary transformers (25KVA, 10KVA) and associated cabling for Western Railways in Gujarat.
- **Chennai AT CLS TRD Project –** Augmentation of OHE auxiliary transformer systems for Chennai Division, Southern Railways.
- **Trivandrum Power Improvement Project –** Modernization of power supply arrangements under Southern Railways.
- **IPDS Project –** Strengthening sub-transmission and distribution networks in Rajgarh under the Integrated Power Development Scheme (IPDS).

Maurer Sanfield's Contracts Division is a trusted leader in railway electrical infrastructure projects, with a skilled team, innovative approaches, and a commitment to timely, quality-driven delivery. The division plays a crucial role in modernizing India's railway systems, contributing to national progress.

EMPLOYEES TRAINING & DEVELOPMENT

EMPLOYEES TRAINING & DEVELOPMENT AT MSIL

EMPOWERING WORKFORCE FOR EXCELLENCE

In today's dynamic business environment, the success of any organization is deeply intertwined with the growth and development of its employees. A company's most valuable asset is its people, and investing in their continuous learning not only enhances individual skillsets but also fosters innovation, productivity, and long-term success. At Maurer Sanfield India Limited (MSIL), the commitment to employee development is evident through a range of training programs, workshops, and annual meetings that empower every team member to excel in their roles.

The Importance of Employee Training and Development

The foundation of any successful company lies in its workforce. Employee training and development ensure that individuals are equipped with the skills and knowledge needed to meet current and future challenges. In industries like construction, manufacturing, and engineering, technical proficiency is critical, and ongoing training ensures employees stay at the forefront of technological advancements.

Training also plays a crucial role in employee satisfaction. Engaged employees who are given opportunities to grow are more likely to stay committed, leading to higher retention rates. When employees feel that their company is invested in their growth, it fosters a culture of loyalty, accountability, and dedication.

Key Initiatives at Maurer Sanfield India Limited

Maurer Sanfield India Limited, a leading player in specialized engineering solutions, places great emphasis on employee training and development. The company has instituted several initiatives aimed at enhancing technical capabilities, improving soft skills, and fostering leadership development across various levels of the organization.

The Annual Marketing Meeting at MSIL is a key initiative that focuses on strategic planning, market analysis, and business development. This gathering provides a platform for the marketing and sales teams to align their efforts, understand emerging market trends, and devise innovative strategies to drive growth.

EMPLOYEES TRAINING & DEVELOPMENT

Beyond discussing numbers and targets, this meeting encourages brainstorming sessions and collaborative learning, promoting a sense of shared purpose among the team members. Employees are encouraged to participate in discussions, enhancing their communication, leadership, and strategic thinking skills.

At MSIL, staying updated with cutting-edge technology is essential. The CNC (Computer Numerical Control) Operator Training Session is one such program designed to upskill machine operators. CNC machines, pivotal in modern manufacturing processes, require precision and expertise. Through hands-on training, employees learn to operate these machines efficiently, ensuring high-quality output and minimizing errors. This program also teaches employees how to troubleshoot minor technical issues, enhancing productivity and reducing downtime. To ensure technical expertise, welding workshops are conducted for employees, focusing on methods like SMAW (Shielded Metal Arc Welding) and MAG (Metal Active Gas) welding. The training is delivered by experienced professionals and incorporates both theoretical instruction and practical exercises. Such initiatives enhance workers' craftsmanship and contribute to the integrity and durability of the company's products and structures.

Safety is paramount in every organization, and MSIL goes the extra mile to cultivate a safety-conscious culture. Fire Safety Training sessions are a staple of MSIL's training calendar, designed to educate employees about preventive measures, emergency protocols, and firefighting equipment. Practical simulations of fire emergencies enable employees to respond effectively under pressure, ensuring a safer workplace for all.

EMPLOYEES TRAINING & DEVELOPMENT

Innovative Training Modules for a Dynamic Workforce

Beyond these specific programs, MSIL's training repertoire includes numerous specialized modules catering to the diverse needs of its workforce. Training sessions on quality control techniques, product testing methods, and advanced software tools are regularly organized. Employees working in administrative, human resources, and management roles also benefit from leadership development workshops, fostering holistic growth across the organization.

The Impact of Training: Beyond Skills Acquisition

Investing in employee training yields multifaceted benefits. It not only enhances technical expertise but also bolsters confidence, job satisfaction, and loyalty among employees. MSIL's commitment to training has created a workforce capable of delivering excellence under any circumstances, ensuring that the organization remains a leader in its industry.

A Commitment to Lifelong Learning

MSIL's philosophy is rooted in the belief that learning is an ongoing journey. By fostering a continuous improvement and development culture, the company creates an environment where every employee feels valued and empowered. Training programs are not isolated events but integral components of a broader strategy to ensure personal and organizational growth.

In today's competitive world, businesses thrive when employees are equipped with the right tools and knowledge. MSIL's comprehensive training programs set an example for others, showcasing how strategic investments in workforce development translate to sustained success. By prioritizing employee growth, MSIL strengthens its foundation and reaffirms its commitment to shaping a brighter future for all. As the company continues to innovate, its dedication to empowering its people remains a cornerstone of its vision.

INDUSTRIAL VISIT OF STUDENTS & FACULTIES

Industrial visits are essential to bridging the gap between academic knowledge and real-world application. On **November 20th & April 26th**, **Maurer Sanfield India Limited** had the privilege of hosting an enriching industrial visit for the students and faculties of **MIT Pune College and Oriental College**.

The visit commenced with a warm welcome and a brief introduction to **MSIL's** operations, products, and contributions to the infrastructure industry. The attendees were then guided on a comprehensive tour of the manufacturing facilities, where they witnessed the intricate processes involved in producing high-quality expansion joints, bearings, and other critical components. Live demonstrations of advanced machinery and testing procedures captured their attention, showcasing **MSIL's** commitment to precision and innovation.

The following interactive session allowed students to gain insights from **MSIL's** seasoned experts. Topics like product design, quality control, and sustainability practices were discussed, sparking curiosity and thoughtful questions from the students.
The visit concluded with a token of appreciation presented to the faculty members of both colleges. Feedback from attendees highlighted their gratitude for this opportunity to observe industry practices firsthand. Such engagements reinforce MSIL's dedication to fostering learning and collaboration with academic institutions for building a skilled future workforce.

EMPLOYEE ENGAGEMENT

EMPLOYEE ENGAGEMENT

About Us

Maurer - Sanfield India Limited, a leader in high-performance construction products, offers comprehensive services from design to post-sales. Approved by **MORT&H** and **RDSO**, it is **ISO 45001:2018 and ISO 14001:2015 certified**, ensuring excellence in safety, health, and environmental standards, reflecting its commitment to sustainability and workplace well-being.

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