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“To exemplify ‘Quality’ in all our acts, including our earnest efforts, intelligent direction, and expert execution of products, clients, vendors, and staff.”



Vivek Kejriwal
Managing Director,
Sunvik Steels Pvt. Ltd.



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In an exclusive interaction, Vivek Kejriwal, Managing Director of Sunvik Steels Pvt. Ltd talks about waste management and minimising energy consumption, emphasising workplace safety.

Sunvik Steels Private Limited, founded in 2003 in Tumkur District, Karnataka, has established itself as the region’s first integrated steel plant spread across 50 acres. The company has created a strong identity and continues to extend its commercial footprint to forge sustainable steel.

What is the vision that drives your organisation?

We seek to create value and be recognised as a worldwide steel industry leader by focusing on innovation, technology, sustainability, and people.

The secret to our steel is that we have perfected the optimal combination of cutting-edge technologies backed by empirical expertise and a desire to give our customers immaculate service. Since our inception, our formidable reputation has served as a testament to our quality. We make use of cutting-edge German

technology to serve with better quality.

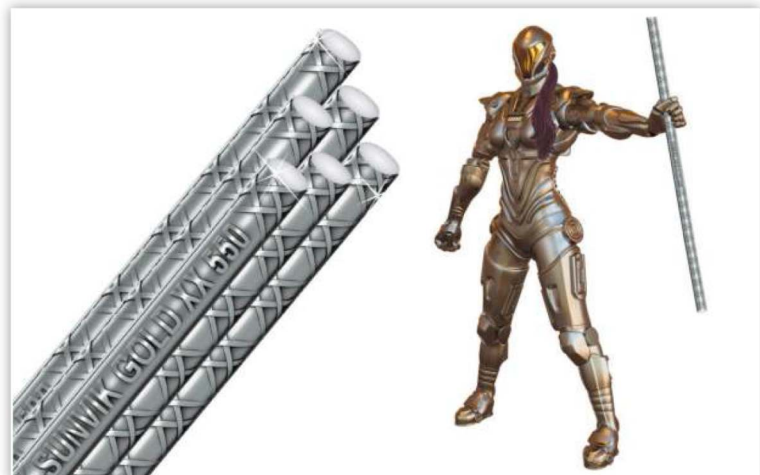
We have three goals in mind for delivering the best of Sunvik Steels through our TMT bars. Our missions are to integrate the pursuit of “quality” within the organisational architecture. To exemplify ‘Quality’ in all our acts, including our earnest efforts, intelligent direction, and expert execution of products, clients, vendors, and staff.

Furthermore, we are focused on reinforcing our strengths through increased quality achievements while maintaining environmental requirements.

How are TMT bars reliable for sustainable construction practices?

TMT bars are steel bars that have undergone “Thermo Mechanical Treatment.” TMT bars have enormous strength and all of the features of a steel bar, such as earthquake resistance, weather resistance, durability, elasticity, flexibility, and bondability, which extend the life of any structure by many years.

When discussing “Sustainability,” it is important to note that we are creating “Green Steel” through



“Decarbonisation,” reducing our reliance on fossil fuels while utilising waste heat recovery captive power plants, wind, solar, and biogas plants to meet our energy requirements. Additionally, we recycle and reuse waste water and have a zero-tolerance policy for solid trash disposal. These initiatives are merely a small proportion of our overall efforts to build a sustainable environment and a greener planet.

TMT bars are used in various construction types and are graded based on their strength, ductility, flexibility, rigidity, bondability, earthquake resistance, corrosion resistance, and weather resistance. TMT bars are critical for any structure’s strength, durability, and longevity, including those built to withstand earthquakes. As a result, for a stress-free building project, selecting a suitable grade of TMT bars is necessary.

Sunvik Steels has used cutting-edge technology to create best-in-class TMT bars. They are dedicated to quality and customer satisfaction at all levels. Sunvik Steels has also implemented measures to prevent pollution and protect natural resources.

Please talk about your commitment to environment-friendly manufacturing.

We adhere to the policies of the

Ministry of Environment and Forest, the Government of India, and the Karnataka Pollution Control Board’s standards, which are in line with worldwide standards. Pollution control equipment and systems are installed, such as electrostatic precipitators, bag filters, water sprinkling systems, recirculation and reuse, rainwater harvesting, and so on. In collaboration with the Forest Department office, we are planting saplings to create and maintain a green belt on factory grounds.

We do not consider anything waste and regard anything as a finished product or a by-product of production processes. Waste heat gases from sponge iron kilns are utilised to generate steam in boilers, which is then turned into electricity via a 10 MW steam turbo-generator. Dolachar, isolated from sponge iron, is utilised as a substitute fuel for the AFBC boiler and contributes significantly to reduced coal usage, resulting in coal conservation.

The majority of solid by-products, such as fly ash from power plant boilers, slag from induction furnaces, drained bed material from AFBC boilers, and so on, are used to make fly ash bricks and blocks. We take pride in promoting and selling fly ash products to the building industry, and our customer list includes some highly respected companies. Water blowdowns from one process are



reused for another process or cooling, and no water is discharged or wasted.


Induction Dry cooling systems are used in furnace coil and power plant auxiliary cooling systems to replace traditional water cooling towers. This switch has resulted in an 80 percent reduction in RO water consumption per day. Water savings calculated backwards have also helped us save energy consumption that is otherwise required for water pumping and filtering.

How do you efficiently manage energy consumption?

We are replacing inefficient electric motors with International Efficiency Class IE2 and IE3 motors. Only the IE2 and IE3 classes of new motors are available. All plant lighting has been switched to LED. System automation and close monitoring eliminate idle and non-essential equipment and system operation. To reduce energy usage, variable-frequency drives are used for fans and pumps.

Power factor corrections keep power quality high and the overall power factor above 0.97. Dry Cooler fans have temperature-controlled automation added to optimise energy consumption based on ambient conditions. Overall, green or renewable energy sources such as waste heat gases, solar, and wind generate 75-85 percent of plant electric energy.

What safety practices do you follow at the workplace?

Continuous improvement in occupational health and safety performance results in a safety culture. One significant activity that assists us in meeting our safety and health objectives is training and awareness programmes. 



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