

BUILDING BRIDGES TO THE FUTURE ___

MII FSTONES

2004

• Commissioned 1st DRI Kiln with an annual manufacturing capacity of 30,000 MT of sponge iron

2005

• Commissioned 2nd DRI Kiln and enhanced the sponge iron manufacturing capacity to 60,000 MT per annum

2006

• Commissioned the Furnace Melting Division with an annual capacity of 75,000 MT

2007

- Commissioned the Rolling Mill with a capacity of manufacturing 75000 MT of TMT bars per annum
- Obtained the ISI certificate for finished goods

2009

- Commissioned 3rd DRI Kiln and enhanced the sponge iron manufacturing capacity to 90,000 MT per annum
- Acquired the ISO Management System certification

2010

- Commissioned the 10 MW Captive Power Plant for the self-reliance of Power
- Commissioned the Continuous Billet Caster and successfully switched operations to a Green Steel Model

2012

Fly Ash Block Manufacturing Plant set up with Hydraulic Compaction System

2013

Launched 'SUNVIK GOLD XX 500' TMT bars

2014

- Commissioned the automated Direct Hot Billet conveying and Rolling System for fuel and energy conservation
- Commissioned automated Online Billet Shearing System for fuel conservation

2015

• Upgraded the Fly Ash Block Plant with fully Automated Fly Ash Block Manufacturing

2016

Commissioned the automated On-line TMT Bending Machine

2018

• Commissioned the second line of Automated Fly Ash Block manufacturing

2019

- Commissioned the Scrap Processing Plant to boost energy efficiency in hot metal production
- Plant Illumination fully converted to LED Illumination

2020

- Commissioned the Vapour Curing System for Fly Ash Blocks and achieved substantial water conservation
- The Melting Furnace operation has been converted to High Energy Efficient Melting Technology

2021

• Commissioned 5 MW Rooftop Solar Power Plant; Increased reliability on Sustainable clean energy to Produce Green Steel



CHAIRMAN'S MESSAGE

Sunvik Steels is born out of passion. It is an entrepreneur's dream come alive. It's a conviction to give to the Indian industry products that shall minimize carbon footprint, optimize operational cost, live up to stringent quality standards and is made from the latest cutting edge technology.

Its my pleasure to present to you Sunvik Steels Pvt. Ltd.!

My personal agenda has been to build a team that believes in delivering the best, adopts and runs on fundamental and strong engineering values. Work like a family, upholds the equity of the brand Sunvik and operates at 100% efficiency.

We believe in making the world a better place to live not only for us but for generations to come. With that core thought Sunvik has been successful in going green. We promise to make significant steps in the future that one and all are proud and are able to sustain for a long time.

I thank all, who have stood by my dream, believed in my passion and have helped take Sunvik a leap in the industry. Sunvik treasures the goodwill it has earned in the industry and will always be a step ahead in reaching out to its customers and beneficiaries.

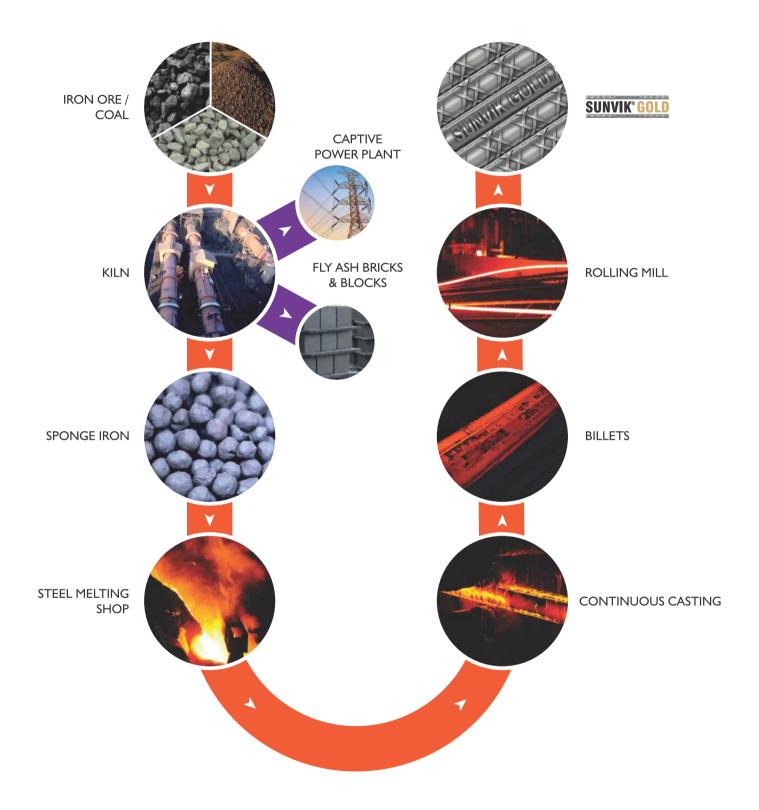
Thank your very much.

Chairman and Managing Director - Vivek Kejriwal





Process



Inner Strength Matters!

Primary Steel Process: Ore to Core



QUALITY ASSURANCE

Perfection does not begin at the manufacturing plant. It begins in the mind. It is a challenge that Sunvik has overcome through diligence, discipline and by encouraging our employees to develop a sense of pride in their jobs. At Sunvik Steels quality is a self-imposed discipline, a challenge that is pursued with unswerving zeal.

Quality Commitment Encompasses:

- Products of the highest standard
- Continuous business improvement
- Environment, systems and training

Certification:

- ISO 50001:2018, ISO 45001:2018, ISO 9001:2015, ISO 14001:2015
- THERMEX
- Bureau of Indian Standards (ISI)
- Indian Green Building Council



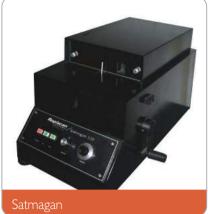






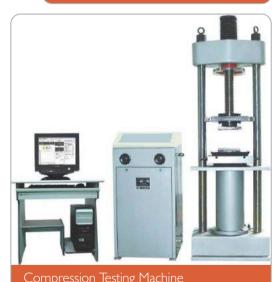
State-of-the-art Quality Lab















TESTING

Elaborate and exhaustive quality assurance systems have been implemented at every juncture of the manufacturing process:

Direct Reduction Plant

Incoming Material Inspection:

- Iron ore is tested for Fe (T), LOI, SiO_2 , Al_2O_3 , Mn, S, P, CaO, MgO and Tumbler & Abrasion
- Coal is tested to determine Fixed Carbon and Gross Calorific Value and Moisture Content
- Dolomite is tested for LOI, CaO, MgO, SiO₂ and screen analysis

In Process Inspection:

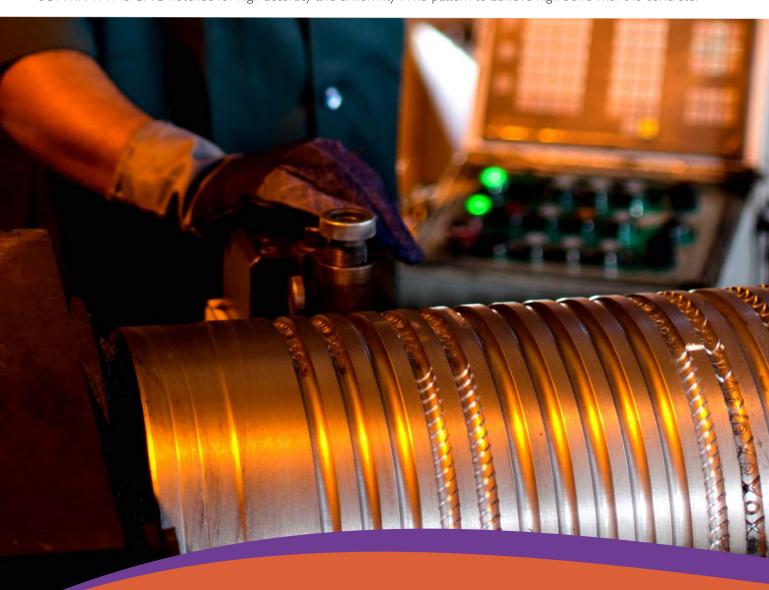
During production every hour the DRI is tested for

- Fe (M), Fe (T), C, S and feedback given to operations department
- Samples are drawn frequently and tested for non-mag contamination

Finished Product Inspection:

• Before the melting process, the sponge iron is checked for Fe (M), C, S and non-mag contents

SUNVIK TMT is CNC notched for high accuracy and uniformity in rib pattern to achieve high bond with the concrete.



The core of our strength

Pure Steel to TMT Steel-" The Thermex Process" from 'Germany'

Sunvik Steels has a fully Integrated Steel Plant that can manufacture up to 32 mm TMT Steel Bars conforming to IS: 1786 Fe 550 Grade. With end-to-end processing carried out at the integrated facility, Sunvik ensures its TMT bars have the distinct edge of a premier product range to provide affordable and durable Steel.

Mechanical Properties

Properties	IS 1786-2008 Fe550	SUNVIK GOLD Fe550	Benefit Improved Strength	
Yield Strength (min)	550 N/mm²	570 N/mm² and above		
Tensile Strength (min)	585 N/mm²	650 N/mm and above	Maximized safety for buildings	
Elongation (min)	10%	18% and above	Suitable for all types of bending or shaping	
Bend test	5D upto 20mm & 6D above 20mm	4D upto 20mm & 5D above 20mm	Bend without breakage or crack	
Rebend test	7D upto 10mm & 8D above 10mm	6D upto 10mm & 7D above 10mm	Re-bend without any breakage or crack	
UTS/YS	1.06	1.14 and above	Better Earthquake Resistance	

Chemical Properties

Chemical Element	(IS 1786-2008) Fe550	SUNVIK GOLD Fe550	Benefit	
Carbon (max)	0.30%	0.23%	Strength & Weldability	
Manganese (min)	0.50%	0.55%	High Strength & improved Ductility	
Sulphur (max)	0.055%	0.050%	Increased life & purity	
Phosphorous (max)	0.055%	0.050%	Increased life & purity	
S+P (max)	0.100%	0.100%	Optimized purity & long Life	

THE SUNVIK ADVANTAGE



High Strength



Ductility



2X RIB **Enhanced Bonding**



Bendability



Weldability



Earthquake Resistance



Perfect Weight



Optimised Chemical Composition



Superior Build Quality



Increased Savings

Finest TMT

WELDABILITY

Low carbon content ensures optimal strength of welded joints, without requiring any additional pre or post welding treatment.

DUCTILITY

Excellent ductility due to strict control over the chemical composition and quenching.

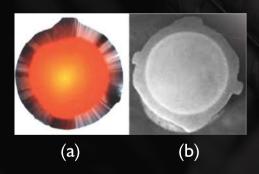
BENDABILITY

Superior bendability achieved with the unique combination of a tough outer core and softer inner core structure.

HIGH STRENGTH

Specially selected raw material and high manganese additives gives very high strength.





Cross-section of TMT steel bar just after (a) water quenching and (b) after final cooling

SEISMIC RESISTANCE

High elongation of Sunvik TMT bars display excellent strength in the event of earth quake, thus acting as a safety shield against any mishaps.

CORROSION RESISTANCE

Thanks to unique micro-structure and flawless manufacturing methods, that ensures that Sunvlk TMT bars do not corrode even when embedded in concrete for long time.

SUPERIOR RIB DESIGN

Superior 'XX' rib design for excellent bonding between cement and steel.



STEEL MAKING - THE GREEN WAY!

Sunvik steels are pioneers in steel Manufacturing. Sunvik is dedicated and understands its responsibilities towards saving the earth. It has also added Fly Ash Bricks & Blocks for construction purposes to its product offering. These bricks are made of Fly Ash generated from Sunvik's Thermal Power Plant.

FEATURES

- Uniform appearance/ high strength
- Nil Efflorescence/ Dense Bonding
- Quick Finishing
- Good Heat Resistant

- Less Wastage
- Uniform Size and Time Saving
- Eco Green Bricks/ Less Cement Consumption
- Low Density Bricks

ADVANTAGES

Not only are Sunvik Green Bricks better for the environment, they offer a host of advantages to the builder as well. Their cost is also economical compared to clay bricks.

Comparison Criteria	FLY ASH's Advantages over Red bricks
Dimensions and Weight	Uniform and consistent with a sharp finish, as they are made by an automated and controlled manufacturing process
Compressive Strength	2.5 to 3 times stronger than Red Bricks
Water Absorption	Less than 1/3rd of water absorbed with better heat and sound resistance due to pre-curing, higher density and voids free molding
Cement Mortar for brick laying & plastering thickness	Reduction of cement mortar requirement by more than 50% with better surface finish
Curing of Bricks	Eco –Friendly as they are cured by controlled water spray. No need for brick heating thereby avoiding use of fossil fuels & reducing carbon emissions. Lesser curing time
Wastage	0.25% less wastage during handling and laying in comparison to the 5% of Red bricks due to its high strength
Affordability Earthquake Resistance	Better earthquake resistance as compared to Clay Bricks with minimal breakage and cost is also economical compared to Clay Bricks



Working towards A green tomorrow, today



Lowering greenhouse gas emissions that contribute to climate change is important to Sunvik Steel. Despite the fact that steel production emits 5 to 20 times less greenhouse gas emissions than other material alternatives, Sunvik has made its mission to ensure its operations are as green as possible.

To this end a 10 MW Power Plant was commissioned on March, 2010 and Sunvik's operations consume all the power that is produced. The uniqueness of this project is that waste hot gases, which were dispersing into the atmosphere, are being captured and used as a raw material for the Power Plant.

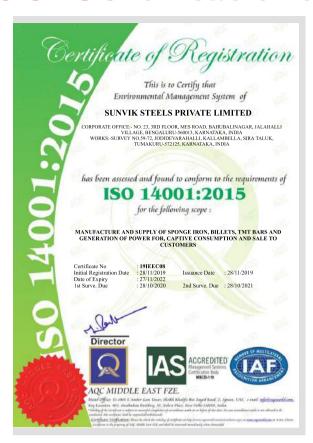
The 1000 Degree Centigrade gases produced while making steel are captured and fed into a water-filled boiler. These hot gases convert the water into steam and the steam is fed to the turbine (generator) to produce power.

We are also in the process of generating electricity by harnessing solar energy and wind energy to reduce our dependency on the conventional energy sources. We take pride in being an eco-friendly corporate citizen having Zero Solid-Liquid-Gaseous waste disposals.

HIGHLIGHTS:

- Saving the atmosphere by converting the gases into power
- Generating Green Electricity
- Eligible for **CARBON CREDITS** for this project
- Adopting the latest in cutting edge technologies

ISO Certifications





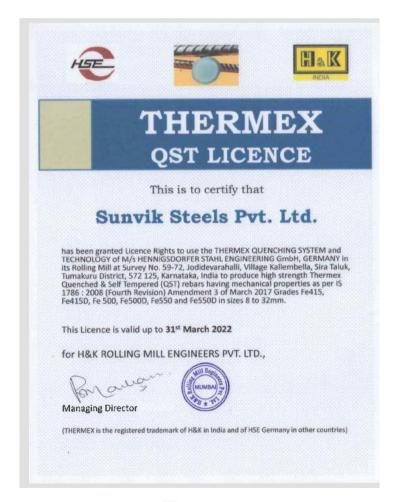




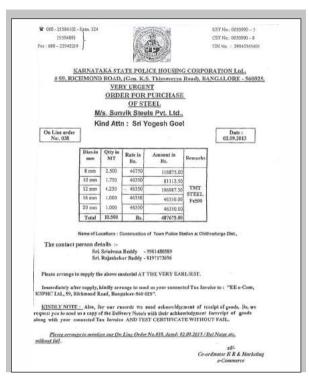
IGBC & THERMEX Certifications



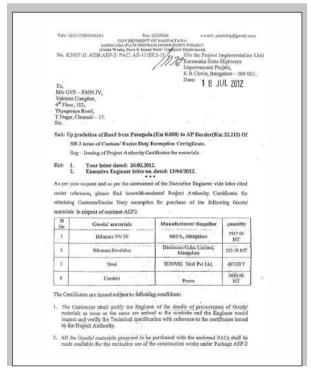
India Green Building Council



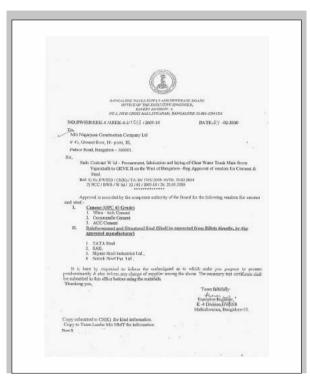
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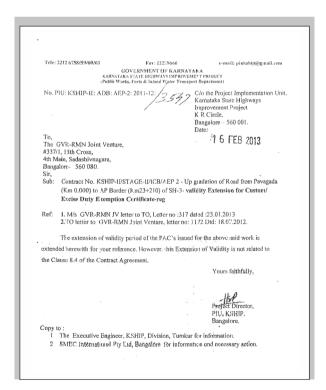
Karnataka State Police Housing Corporation Ltd.



Public Works, Ports & Inland Water Transport Department



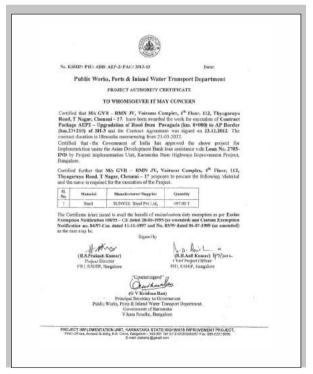
Bangalore Water Supply And Sewerage Board



Karnataka State Highways Improvement Project



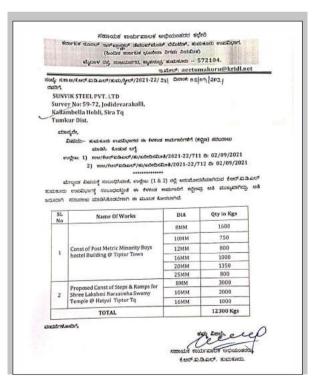
GAMMON



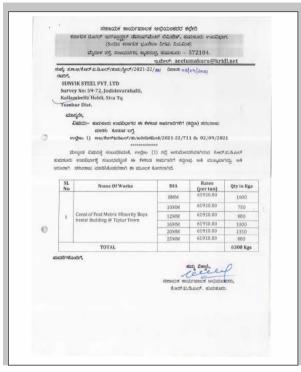
Public Works, Ports & Inland Water Transport Department



Karnataka State Highways Improvement Project



Karnataka Rural Infrastructure Development Ltd.



Karnataka Rural Infrastructure Development Ltd.

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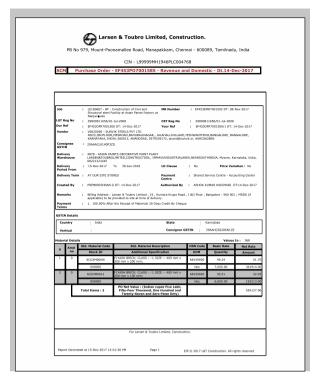
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ASIAN PAINTS



BOEING INDIA PRIVATE LIMITED



Central Public Works Department



Karnataka Rural Infrastructure Development Ltd.

Awards



Most Promising TMT Brand of the year 2021



South India Manufacturing Leadership

Awards 2021



The True and Most Reliable TMT Brand 2020



Karnataka Manufacturing Leadership
Awards 2019



Most Authentic TMT Steel Brand 2019

Media



TIMES OF INDIA 2021





TIMES OF INDIA 2020

TIMES OF INDIA 2019

B2B PURCHASE 2021

STRUCTURE PROFILE

Sunvik Steels: Providing impeccable services to customers



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Bridging demand-supply gap Sunvik Steels was founded to bridge the supply-demand gap for high As desires had several compulsions about the choice shaution of the them exching market and untimely delivery of markets, we chose to render our services to furfil this app and ensure the un-line delivery of high-quality products. Since our inception in 2007a, our viscult me total marketing approach has telepting and expect of our complete, close to the blitt highway at lumine places is or a vantage point as we are close to the source of any marketing approach complete secres to an expansing market.

Vision excellence.
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Our visions is to create products gar excellence with life finesse of cutting-dripe to the control of the control o

proactively contributing to society.

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PROFILE STRUCTURE

received an overwhelming response to our CSR efforts which have positively impacted the infrastructure in the surrounding villages. Further, we have crossed that our teams collaborate to develop reads and transportation services, thereby enabling a better life for myrisd communities.



September 2021 || IIII PORCHASE || 37

36 | I km PLADASZ || September 2021

Our Esteemed Clients









































































SUNVIK STEELS PVT LTD

Office: #23, 3rd Floor, MES Road, Bahubali Nagar, Jalahalli Village, Bengaluru-560 013, Karnataka, INDIA

☎: +91 80 23084700 | ≥ : mail@sunvik.in | € : www.sunviksteels.com













