

# AAPKE SAPNO KI BUNIYAAD



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## Fe500D



# SM TITAN BY SREE METALIKS

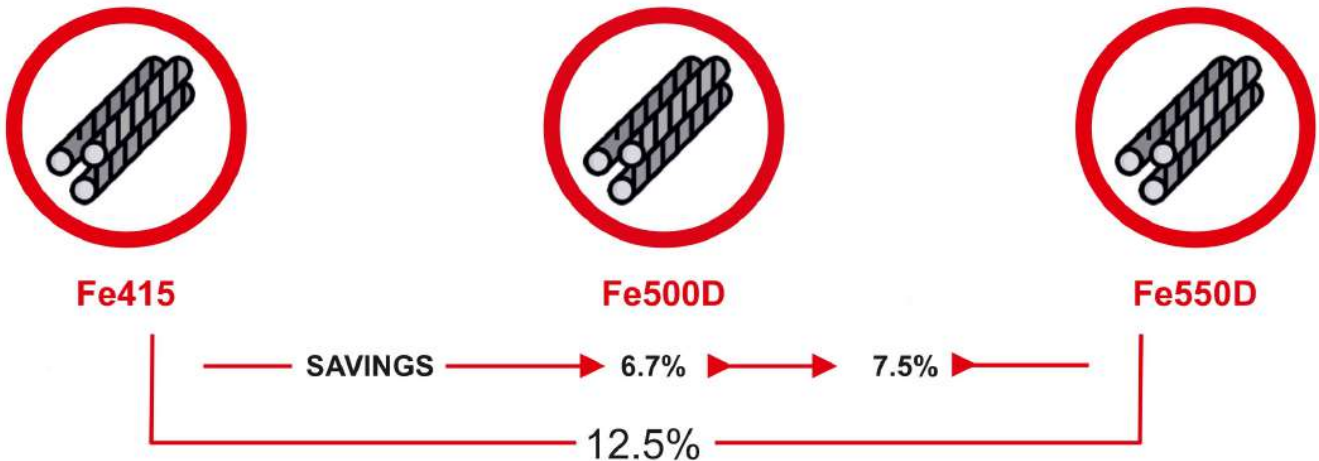
Nothing makes a construction stronger from the core of its foundation than SM TITAN Bars. Manufactured to the exacting international standards with license from Thermax Quenching System & Technology of Henningsdorfer Stahl Engineering, GMBH, Germany, these are synonymous with high strength and amazing flexibility.

SM TMT Bars are widely preferred for all types of construction such as residential and multi-storied buildings, shopping mall, highways road projects, bridges, canals, dams, factory hotels, jetty and RCC work, industrial heavy foundation etc.

## INTEGRATED MANUFACTURING

Right from mining Iron Ore to manufacturing Sponge Iron, Billets, TMT Bars, Pig Iron, IO Pellets. Everything is Seamlessly integrated. SM also has its own captive Power Plant to aid uninterrupted power.

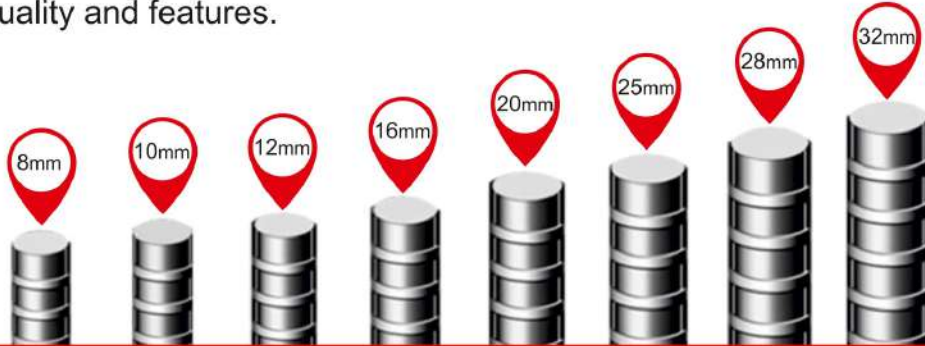
Constructing the same structure with 3 different grades of steel G + 22 Storeys + 2 Basement (Zone-4)



With the addition of LRF technology, high quality refining is carried out there by making TMT Bars of very high grade through process of highly atomised quenching, self-tempering, and atmospheric cooling, thus SM Titan TMT 550D LRF steel bars are catering with superior mechanical properties in strength, weldability, ductility and bendability, meeting high quality standards.

## WIDE RANGE OF TMT BARS

SM manufactures a range of Reinforcement TMT Bars of various grades from **Fe 500, 550D 600+** & sizes from 8mm to 32mm, which are made from the finest raw material & are highly appreciated for their superior quality and features.



## WHY WE ARE UNIQUE



End to End in house production, no outsourcing.



Superior quality raw material. In depth testing and quality



Advance earthquake resistant due to foremost in-class elongation



Higher tensile strength makes it ideal for heavy construction



Save on overall steel consumption due to extra strength and load bearing capacity.

## SUPERIOR QUALITY RAW MATERIAL. IN-DEPTH TESTING AND QUALITY



Spectrometer



Chemical Test



UTS Test



Ring Test



## Chemical Specification of TMT Bars (FE 500D)

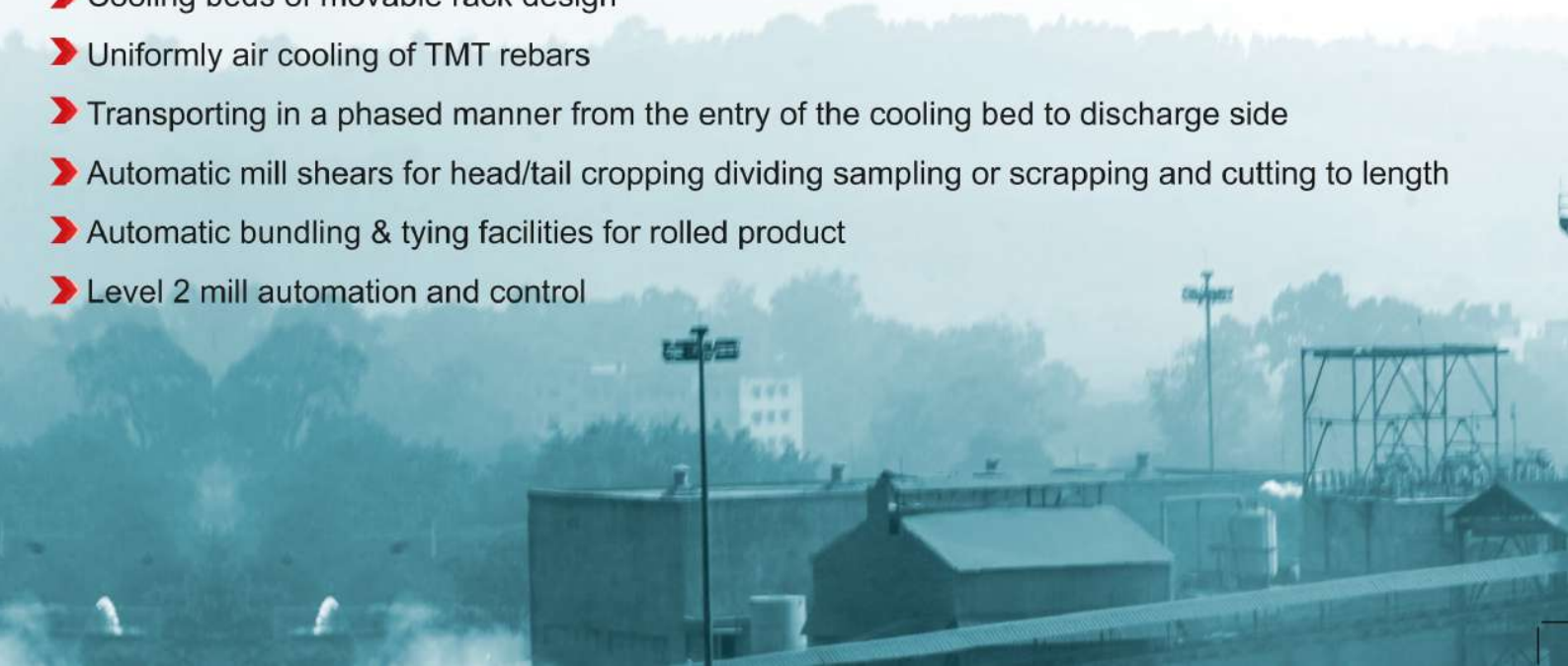
Composition	Fe-500D (IS-1786-2008)	SM TITAN TMT	Technical Advantages
Carbon%	0.25	0.18-0.25	More Elasticity
Sulphur%	0.040	0.030-0.035	Protect from Rusting
Phosphorus%	0.040	0.030 - 0.040	Protect Spalling
S+P %	0.075	0.062-0.070	

## Mechanical Specification of TMT Bars

Grade	Yield Stress (MPa)	Ultimate Tensile Strength min.(Mpa)	UTS/YS* Min. (Mpa)	%Elongation min.	%Total Uniform Elongation# min.
Fe 500D EQR	500 (Min.)	565	1.10	16.0	5.0
Fe 550D EQR	550 (Min.)	600	1.08	14.5	5.0
Fe 600	600 (Min.)	660	1.06	10.0	
Fe 500D HCR	500 (Min.)	565	1.10	16.0	5.0
Fe 550D HCR	550 (Min.)	600	1.08	14.5	5.0
Fe 600 HCR	600 (Min.)	660	1.06	10.0	
Fe 500S	500 (Min.) 650 (Max.)	1.25 times YS	1.25	18.0	8.0

**Our plants are amongst the most modern across the world. Equipped with the latest technologies and infrastructure, they produce the finest quality steel and TMT rebars.**

- Online Hot billet process crosses through LRF directly from CCM
- High pressure water de-scaling facility
- Single strand high speed continuous mill
- Interstand tension control rolling
- Online rapid water quenching unit
- Production of HYQST/HYST TMT rebars in straight length
- Cooling beds of movable rack design
- Uniformly air cooling of TMT rebars
- Transporting in a phased manner from the entry of the cooling bed to discharge side
- Automatic mill shears for head/tail cropping dividing sampling or scrapping and cutting to length
- Automatic bundling & tying facilities for rolled product
- Level 2 mill automation and control





Sree Metaliks Limited (SML) was incorporated in the year 1995. SML has an integrated setup of mining and three manufacturing units in Odisha. SML is built on a strong foundation of a dedicated team of experienced professionals from diverse fields. Their cumulative knowledge and experience blended with professionalism at every stage of operation is turning the management's vision into reality.

## WE PRODUCE

- Iron Ore
- I O. Pellets
- Sponge Iron
- S G. PIG IRON
- Power
- M S. Billets
- TMT Bars

## OUR CSR INITIATIVES

Corporate responsibility for Sree Metaliks means integrating social and environmental considerations into the Group's core business practices to maximize the positive impact of its operation on current and future generations.

### SCHOOLS



### CHARITABLE HOSPITALS



### HEALTH CAMPS



### SAANCHI





## INTEGRATION DIVISIONS

Khandbandh Iron ORE Mines  
Khandbandh, Kendujhar, Odisha, 758034

**RUGUDI PLANT:-** Main Road, Loidapada,  
Kendujhar, Odisha, 758035

**ANRA PLANT:-** ANRA, Upper Raigoda,  
Suakati, Kendujhar, Odisha, 758018

**ANGUL PLANT:-** Mukundpur, P.O. Paranga  
Distt. Angul, Odisha- 759122

## WAREHOUSES

### JAIPUR

A-240, VKI Area Road No. 6D, VKI Area, Jaipur,  
Rajasthan

### MANDI GOVINDGARH

Talwara Road, Mandi Gobindgarh,  
Amloh, Distt. fatehgarh Sahib, Punjab-147301

### GURUGRAM (DELHI NCR)

Khasra No-160-23/2,24/2, Main Sohna Road  
Near Jail More, Opposite Lemon Tree Hotel,  
Badshahpur, Gurugram, Haryana 122101



**SREE METALIKS**

Mining | Processing | Smelting

**Head Office:** SML House, Main Road, P.O. Barbil Distt. Keonjhar - 758035, Odisha  
**Toll Free:** 1800 202 1355 | **W:** [www.sreemetaliks.com](http://www.sreemetaliks.com)



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