



# GOVVINDA



Hamesha Aapke Saath



S M GROUP

## INDIA KI **MAZBOOTI** KA RAAZ

FE **550SD** TMT REBAR

**#GoWin** with Best Quality  
TMT Rebars



## ABOUT US

One of the leading exporters and importers of minerals and ores, S.M. Group has established itself as a prominent steel manufacturer in the market. Starting with its core focus on exports and mining, the group has expanded into various areas, establishing its own DRI unit, SMS unit, continuous billet casting mill, and testing laboratories. Equipped with modern technology, and a fully automated rolling mill, its manufacturing unit is in Jamshedpur, Jharkhand, and a corporate office in Kolkata, West Bengal. The group's in-house captive power plant runs on rejected coal and waste heat from the DRI process, minimizing carbon footprint and ensuring an uninterrupted power supply for production. The company has further received ISO 9001, 14001, and OHSAS 18001 certifications.

Establishing itself as one of the fastest growing groups, the S.M. Group has companies engaged in the businesses of Iron Ore, Coal, Sponge Iron, Pellet, Coke, MS Billets, and TMT Rebars, with an annual turnover of approximately INR 4500 Crores.



### INTEGRATED STEEL PLANT (ISP)

The integrated steel plant features a DRI unit, a Continuous Billet Casting Mill, and a fully automated Rolling Mill, and is equipped with modern testing laboratories. Our plant has an extensive production process in compliance with international standards, involving the following stages:



Raw materials are treated at the DRI (Direct Reduced Iron) plant



Mechanical & chemical tests are done at par with IS 1786:2008



TMT Bars are cut into required lengths, bundled up and tagged



High-quality billets are obtained from the steel melting shop



The atmospheric cooling process comes into play where heat of the core area tempers the martensite part and the ductile core becomes the Ferrite Pearlite structure



The self-tempering process is used to result in a structure called 'Tempered Martensite'



Billets are passed through the state-of-the-art rolling mill

Govvinda TMT is committed to complete customer satisfaction concerning quality, delivery and services. Feedback from customers acts as input for continuous improvement of products and services.

### Available Sizes of Govvinda TMT Rebars





# TECHNICAL SPECIFICATION

## CHEMICAL PROPERTIES COMPARISON CHART

PARAMETERS	ISI BENCHMARK		GOVVINDA TMT	
	Fe 500D	Fe 550D	Fe 500D	Fe 550SD
Grade	Fe 500D	Fe 550D	Fe 500D	Fe 550SD
Carbon	0.250	0.250	0.180	0.200
Sulphur	0.040	0.040	0.040	0.040
Phosphorus	0.040	0.040	0.040	0.040
S+P	0.075	0.075	0.075	0.075

## MECHANICAL PROPERTIES COMPARISON CHART

PARAMETERS	ISI BENCHMARK		GOVVINDA TMT	
	Fe 500D	Fe 550D	Fe 500D	Fe 550SD
Grade	Fe 500D	Fe 550D	Fe 500D	Fe 550SD
Yield Stress (n/mm <sup>2</sup> )	500	550	535	570
Tensile Strength Min (n/mm <sup>2</sup> )	565	600	590	620
Elongation % (Min)	16	14.5	16	15
TS/YS Ratio	1.10	1.09	1.10	1.09

## CORE BUSINESS



Iron Ore



Coking Coal



Met Coke



Pellet

## PRODUCT RANGE



Sponge Iron



MS Billets

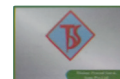


TMT Rebars



Go-Rings

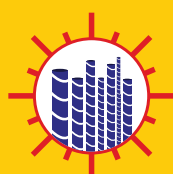
## OUR CLIENTELE



## Why You Should Purchase Govvinda TMT Rebars



**Corrosion Resistant**



**Accurate Rib Pitch**



**Super Ductile**



**Fire Resistant**



**Excellent Bendability**



**Earthquake Resistant**



## OCL IRON AND STEEL LIMITED

AN INTEGRATED STEEL PLANT

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