



GOPALA

HERMEX (Germany) TMT

PLATINUM TMT

PREMIUM TMT BARS

NERVES OF STEEL

Made From 100% Billets



FE 550



About us

Shyam Ferrous Ltd. is among India's leading manufacturers and suppliers of "GOPALA" brand TMT bars. For over five decades, it has been fulfilling the immediate and bulk requirements of several engineering and industrial projects all across the nation. The company also provides consultation on various industry projects.

Shyam Ferrous Ltd. has strengthened its share in the industry by optimizing its resources and adopting aggressive marketing strategies. Customers' rely on the capabilities and the cumulative experiences, which is quite evident from a vast and ever growing client base. With business acumen and professional excellence, the company aims to retain the position of leadership by developing highly functional TMT bars.

Shyam Ferrous Ltd. constantly pushes its limits beyond the benchmarks for redefining the definitions of quality and customer services across industries, without resting on past laurels and accolades. The sole objective is to ensure customer delight rather than customer satisfaction – each time and every time. To achieve the desired objectives, the company regularly invests in advanced technologies and compatible human resources, thus creating its brand equity.

Salient Features

The development of the patented Thermax Cooling Technology has been a great boom to the civil industry all over the world as an acceptable alternative to the use of TMT made from steel alloy with costly elements. The Indian Region, where CTD Bars have had a stranglehold for the past 2 to 3 decades, is today waking up to the benefits of the Thermax TMT primarily on account of:

- ◆ Superior product with consistent properties
- ◆ High strength combined with high ductility
- ◆ Better corrosion resistance
- ◆ Better resistance to high temperatures, as in the case of fires
- ◆ Easy manufacturing of different strengths of TMT from nearly the same steel grades
- ◆ Saving of 10-20% consumption when using Thermax 500 TMT in place of CTD Bar
- ◆ Better fatigue resistance
- ◆ Better weld ability
- ◆ Easy and less construction time
- ◆ Lastly, an ideal choice for seismic zones due to excellent ductility properties. This is of great importance for India

because nearly 60% of the country falls in the high seismic hazard category.

Comparison Chart

Properties/Compositions	Unit	India (IS: 1786)	GOPALA TMT	SAIL TMT * (As per Brochure)	Tata Tiscon TMT * (As per Brochure)
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Mechanical Properties

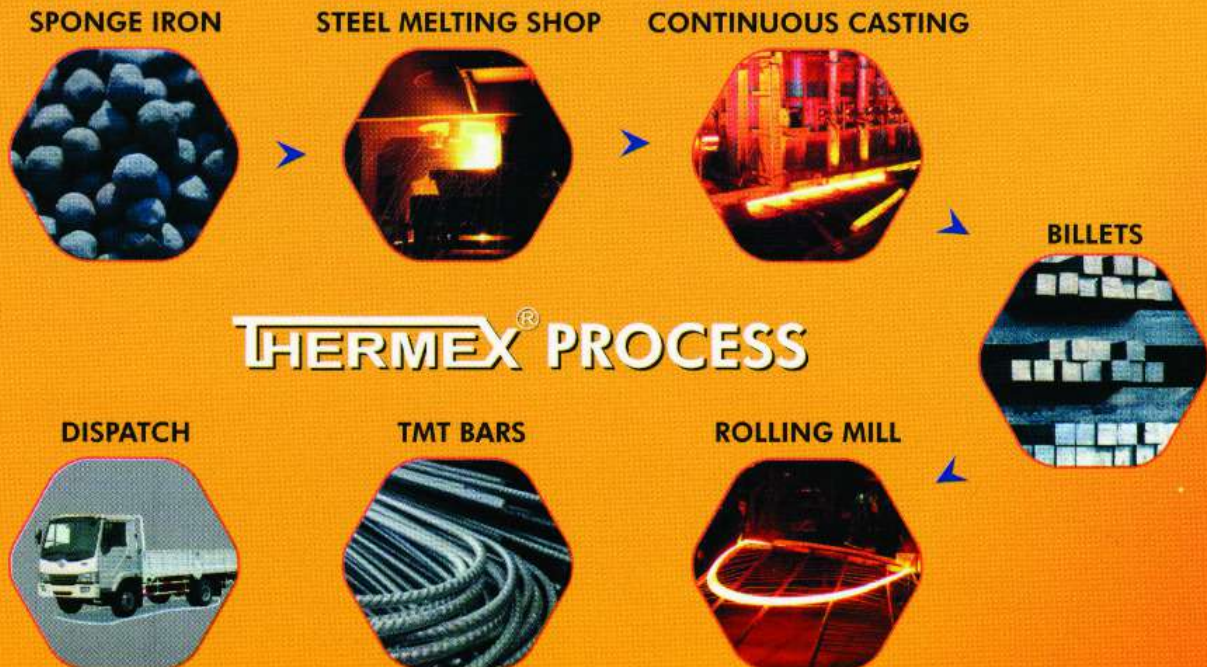
Grade	Unit	Fe-500	Fe-500	Fe-500	Fe-500 D
Yield Strength	N/mm ²	500 min	530 min	530 min	540 min
Tensile Strength	N/mm ²	565 min	600 min	600 min	600 min
Elongation	Ratio	12 min	16 min	12 min	18 min
UTS/YS	%	1.08 min	1.12 min	1.10 min	1.12 min

Chemical Composition (%)

Carbon	%	0.30 Max.	0.26 Max.	0.25 Max.	0.25 Max.
Sulphur	%	0.055 Max.	0.038 Max.	0.050 Max.	0.035 Max.
Phosphorous	%	0.055 Max.	0.045 Max.	0.050 Max.	0.035 Max.
S+P	%	0.105 Max.	0.090 Max.	0.100 Max.	0.070 Max.
Carbon Equivalent	%	0.42 Max.	0.40 Max.	0.42 Max.	0.40 Max.
Si.	%	0.10 min	0.15 Min	Na	Na

SIZE & WEIGHT OF GOPALA TMT

SECTION	GOPALA TMT Standard
Size in mm	kg/mtr
8	0.367 to 0.380
10	0.574 to 0.590
12	0.844 to 0.864
16	1.499 to 1.540
20	2.392 to 2.430
25	3.799 to 3.830



Advantage of GOPALA TMT

- Bond strength
- Bend ability
- 100% Weld ability
- Corrosion resistant characteristics
- Seismic resistance properties
- Higher fatigue strength.
- Suitable for both compression and tension reinforcement.
- Accurate weight and maximum strength, thus economical.
- Each lot carries test certificate along.
- All finished goods store in covered sheds to avoid rusting due to rain and moisture.
- Higher tensile strength of about 30% than commercial brands.
- Thoroughly tested before dispatch.
- Fully Automatic computerized sparkonix machine for best Rib and Lux cutting on rolls.
- Big mill size with huge production capacity for better availability of stock.

IS : 1786



CM/L:0003396369

Available at

Mfg By :

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HINDUPUR(A.P.) - 515201

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