

HAR BAR DUMDAAR



**Dumdaar strength.
Dumdaar durability.**

GK TMT - Strengthening the Foundations of a Stronger India

From the foundation of a home to the infrastructure of a nation, GK TMT is building the strength behind tomorrow. For over two decades, GK TMT, the flagship brand of the REAL Group, has been a trusted steel brand from Central India, building a reputation synonymous with strength, trust and engineering excellence. Today, GK TMT contributes to projects across critical sectors including Defence, Railways, Metros, Power, Real Estate, Education, Healthcare and Infrastructure.

Driven by innovation, sustainability, quality and continuous advancement, GK TMT has evolved into a brand that is becoming an integral part of India's growth story. Our growing network of engineers, architects, developers, contractors, and infrastructure conglomerates reflect the trust that GK TMT has earned across markets.

GK TMT For Shaandaar Strength & Bemisaal Flexibility

Know what makes GK TMT bars a preferred choice among builders and engineers.

Why GK TMT Bars

 Superior Chemical Properties	 Superior Tensile Strength	 Superior UTS/Ys ratio
 Superior Elongation	 Economical Product	 Deformation Pattern
 Rust Resistant	 Earthquake Resistant	

We aim at Complete Customer Satisfaction (CCS) with a strict policy of 'zero tolerance' in quality and service with NABL accreditation and BIS compliance. GK TMT's resources are exclusively tailored to ensure cost effectiveness and process efficiency.

Security



GK TMT bars are earthquake and heat-resistant making them the perfect choice for safe and secure infrastructures.

Cost Effective



Due to the high quality of the product, less steel is required during construction, resulting in cost savings. This makes GK TMT an economically priced product.

Manufacturing Process:

01 Raw Materials

GK TMT rebars are manufactured using coal and iron ore. This ensures the integrity and strength of the final product.



02 DRI Plant

These raw materials are processed in a Direct Reduced Iron (DRI) plant to produce a vital precursor for steel production, Sponge Iron.



03 Sponge Iron

The obtained Sponge Iron is sent to the next stage for further processing.



04 Steel Melting Shop

Sponge Iron is melted in a steel melting shop to create liquid steel. This stage is crucial as it determines the quality of the steel produced.



05 LRF (Ladle Refining Furnace)

Equipped with advanced refining technology, the LRF optimizes chemical composition and temperature control. This enables production of premium-quality steel with improved cleanliness and metallurgical excellence.



06 Direct Hot Charging Billets

An advanced Billet Hot Charging System ensures seamless hot billet handling with optimized temperature retention throughout the production process. Hence the system delivers improved rolling efficiency, reduced emissions, and superior product quality.



07 Rolling Mill

The billets are processed in a Rolling Mill to create the desired shape, with a particular deformation pattern. This ensures precise control over dimensions and surface patterns.



08 Final Product

After this process we obtain our final products - TMT rebars & wire rods.



GK TMT Advantages over ordinary TMT bars:

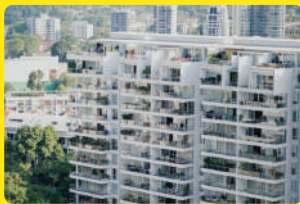
Ordinary TMT	GK TMT	
Other plants rely on external sources for their raw materials, which means they cannot always achieve consistent quality.		A complete integrated plant where both iron and steel are produced under one roof.
As opposed to this, other plants use scrap in the manufacturing process, due to which impurities such as sulphur and phosphorus are not controlled.		Uses the highest grade iron ore, DR-CLO, from NMDC for steel production.
Manufactured using old technology and TMT ingots, resulting in the emission of harmful gases into the environment.		Produced using Direct Hot Charging Technology, which reduces emissions, making GK TMT a greener and more eco-friendly choice.
Created in old-style rolling mills, making it brittle and weak in combination with concrete.		Manufactured in a block mill, providing a superior shine, strength, quality, and excellent finishing.
The weight and grade of TMT in manual plants are never consistent.		Manufactured in an automated plant, the sectional weight and physical properties of TMT bars are always kept under control.
Ordinary TMT does not have any such features.		It is earthquake-resistant, rust-resistant, flexible, and ductile.

Technical Specifications:

Diameter (mm)	Standard Weight (kg/m)	ISI Standard Weight Variation (kg/m)	GK TMT Weight Variation (kg/m)	Number of Bars per Bundle (12 meters)	Weight per Bundle (grams) 12 Meters (Min and Max)
8	0.395	0.367 – 0.423	0.370 – 0.400	20	90 – 94
10	0.617	0.574 – 0.660	0.580 – 0.620	15	103 – 107
12	0.888	0.844 – 0.932	0.850 – 0.890	10	102 – 106
16	1.580	1.500 – 1.659	1.550 – 1.590	05	92 – 96
20	2.470	2.395 – 2.544	2.430 – 2.480	03	86 – 90
25	3.850	3.730 – 3.965	3.800 – 3.860	01	46 – 47
32	6.310	6.121 – 6.499	6.250 – 6.320	01	74 – 76

GK TMT is significantly stronger than any ordinary TMT bars and is also proven to be cost-effective due to its superior quality.

Applications:



Residential Buildings



Commercial Structures



Bridges & Flyovers



Infrastructure Project



Industrial Plants



Dams

Government Approval:



Our Esteemed Clients:



Our Product Range:



Connect with GK TMT to strengthen your dreams

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