

VARDAN

ENTERPRISE

BUSINESS PROFILE

"ONE-STOP SOLUTIONS FOR
BUILDING MATERIAL AND STEEL STRUCTURE"

About Us

More About VARDAN ENTERPRISE

At **VARDAN ENTERPRISE**, we bring you a wide range of products from various sectors, Such as government, civil construction, energy, metal, or agricultural industry, we have meticulously selected trusted manufacturers to provide you with quality products.

Our commitment to quality and reliability ensures that you receive superior products that meet your construction needs. Explore our catalog and make the right choice for your next project.

JOIN US

Our Mission

Committed to Exceeding Expectations

At Vardan Enterprise, in collaboration with our associate groups, we are driven by an unwavering determination to fulfill our commitments to the highest standards. This dedication has made our products and services highly demand by individual as well as construction companies. We take immense pride in the invaluable expertise and extensive experience we have accumulated in this field over time.

Our Vision

Bringing Quality and Accessibility to All

We are dedicated to making our exceptional products and services available in every corner of the nation. Through our widespread reach, we aim to empower individuals and communities.

**Join us on our journey to make a commendable difference.
Together, we can build a brighter future for all.**

TMT BAR

TMT bars, or Thermo-Mechanically Treated bars, are widely used in construction to reinforce concrete structures. These bars, made of low carbon steel, possess high tensile strength and are engineered for durability and stability.

By incorporating elements such as manganese, chromium, and vanadium, their strength and longevity are further enhanced. Stringent quality testing ensures their reliability.

TMT bars are available in various sizes, ranging from 6mm to 40mm in diameter and 12m to 15m in length.

It is important to note that the composition of TMT bars can vary depending on the desired grade and properties, necessitating reference to the manufacturer's specifications for precise information.

Here are some commonly available grades of TMT bars:

- 1. Fe415:** This grade of TMT bar has a minimum yield strength of 415 N/mm². It is commonly used in residential and small-scale construction projects.
- 2. Fe500:** This grade of TMT bar has a minimum yield strength of 500 N/mm². It is widely used in various construction projects, including buildings, bridges, and infrastructure.
- 3. Fe500D:** The "D" in Fe500D stands for "ductility." This grade of TMT bar has enhanced ductility, which means it can undergo greater deformation before failure. Fe500D bars are suitable for earthquake-prone areas and structures where increased flexibility is required.
- 4. Fe550:** This grade of TMT bar has a minimum yield strength of 550 N/mm². It is used in heavy-duty construction projects that require higher strength and load-bearing capacity.
- 5. Fe550D:** Similar to Fe500D, Fe550D TMT bars also offer enhanced ductility. These bars are suitable for structures subjected to dynamic and seismic loads.
- 6. Fe600:** This grade of TMT bar has a minimum yield strength of 600 N/mm². Fe600 bars are used in specialized applications where extremely high strength is required, such as in industrial structures or high-rise buildings.

32 mm



25 mm



20 mm



16 mm



12 mm



10 mm



8 mm



VARDAN ENTERPRISE is proud to offer an extensive range of TMT Bar products renowned for their reliability and high-quality. We understand that choosing the right Product is crucial for the success of any project, which is why we have carefully selected leading brands in the market to ensure customer satisfaction.

