

# MEENAKSHI<sup>®</sup>

## — TMT —

### Builders and Contractors



Presenting the new Fe550D  
with Z Ribs Technology

For superior concrete bonding strength.



- **Z+ Bonding**
- **Z+ Quality**
- **Z+ Strength**

# STRONG BONDS STRONGER BUILDINGS

## ABOUT MEENAKSHI TMT

Meenakshi TMT is a reputed manufacturing company that spans decades of craftsmanship and knowledge in producing the most premium, reliable, high-quality steel construction materials, especially in the form of TMT bars. TMT bars support the very foundation of every home and building which we believe makes it one of the most essential component of a construction. Meenakshi TMT bars are acclaimed for their affinity towards superior bonds with concrete, that ensures that the building is stronger and will last longer. They are durable, ductile, strong, reliable and seismic and corrosion resistant. With Meenakshi TMT, you can proudly display Strong Bonds, Stronger Buildings.

## BLESSED HERITAGE

With 3 generations of torch-bearers having 50+ years of experience in the business, the Meenakshi family has played an important part in the steel industry, where we play a crucial role in shaping the infrastructural growth and development of India. In tune with the dynamic industry, we have been learning, adapting, and pioneering change. It is our penchant to manufacture best-in-class TMT bars that lend stability to any building for years to come.

## MEENAKSHI STEEL FEATURES



**1,00,000 TONNES**  
STEEL MANUFACTURED  
P.M



OPERATING  
**9 FACTORIES**



EMPLOYING  
**2000+ PEOPLE**



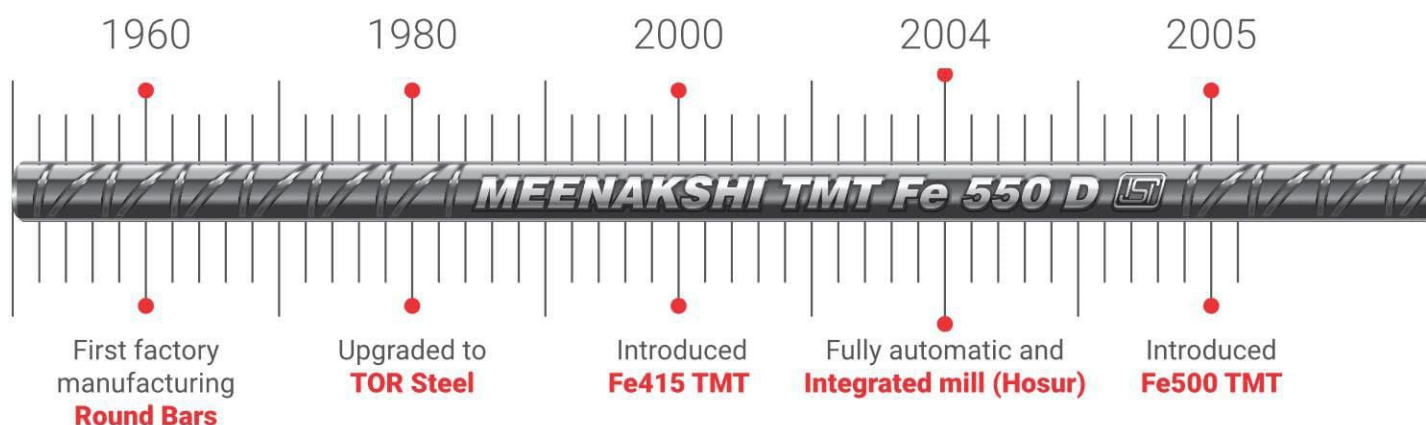
PRESENCE IN  
**6 STATES**



CLEAN ENERGY  
COMPLIANT

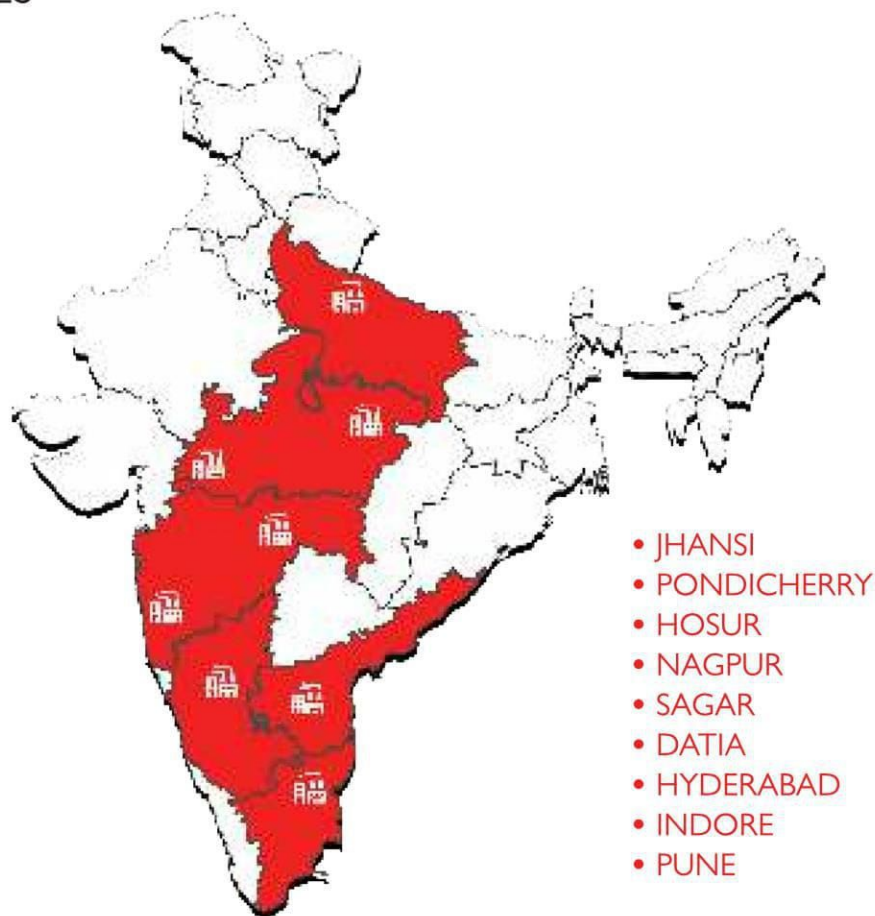


**LIGHTER WEIGHT**  
BUNDLES



# MEENAKSHI STEEL PRESENCE

## OUR FACTORIES PAN INDIA





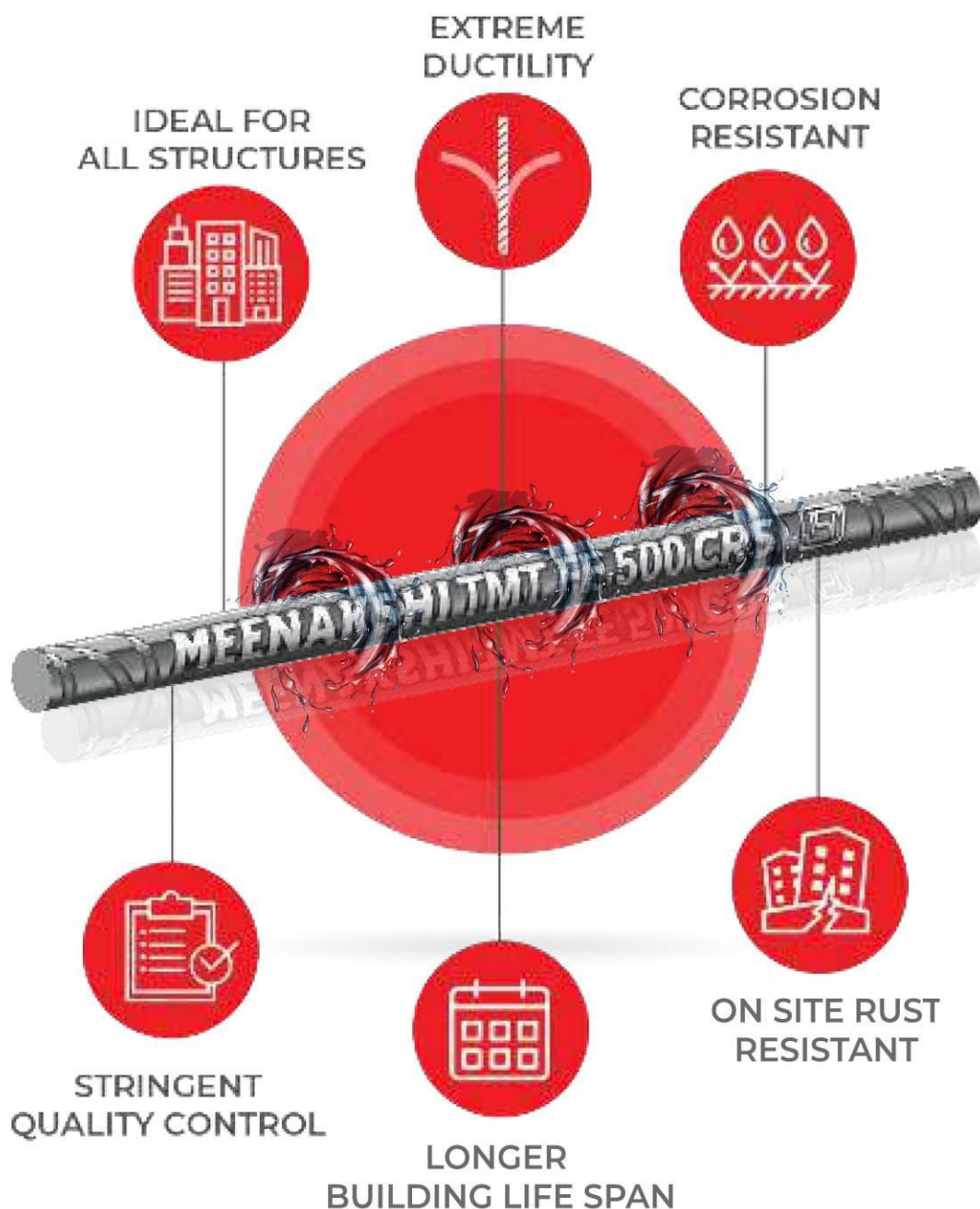
# MEENAKSHI TMT FE 550D BENEFITS

Meenakshi's FE 550D TMT bars are acclaimed for their high quality, strength, corrosion and seismic resistance, and the foundational support they provide for constructions. Based on its levels of bendability, ductility, malleability and corrosion resistance, Meenakshi's FE 550D TMT bars are among the industry's highest quality standards for TMT bars.



# MEENAKSHI TMT FE 500 CRS BENEFITS

Meenakshi Corrosion Resistant Steel [CRS] FE 500 TMT bars are produced with corrosion resistance elements such as copper, chromium, and phosphorus. The high corrosion resistant feature extends the life span and makes them an ideal choice for projects near water bodies, monsoon prone regions, low lying areas, coastal areas, bridges and dams etc.



# CONTRACTORS & BUILDERS BENEFITS

Meenakshi TMT is the go-to choice for our Contractor and builder partners for a wide range of advantages that our products provide. From having the most premium quality and yet being extremely affordable, Meenakshi TMT ensure that there a plethora of benefits such as continuous cost savings, reduced construction time and excellent quality. Meenakshi TMT bars pass all chemical and physical testing with desired results and are packed into extremely light weight bundles that can be delivered the next day, straight from the factory based on your exact building requirements. Here are some of the benefits contractors and builders can derive from Meenakshi TMT bars:



BETTER SAVINGS  
ON SITE



FASTER  
CONSTRUCTION TIME



REDUCED STEEL  
CONSUMPTION



AFFORDABLE  
PRICING



HIGHER  
WELDABILITY



LIGHTER  
SECTION WEIGHT



STRINGENT  
QUALITYCHECKS



QR AND PHYSICAL  
TEST CERTIFICATE



FREE SAMPLES







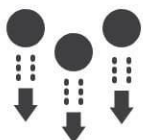
# SAVE USING MEENAKSHI TMT

Using Meenakshi Fe550D TMT bars leads upto 20% savings on construction costs. High Density of ISI Fe 550D requires more pieces for foundational support of concrete structures. However, with Meenakshi FE 550D TMT bars, there is increased spacing due to lesser rebars required.

| Sizes                  | Section weight/meter | Number of rod peices in 1 ton (Length 12.192m) | Number of rod peices in 1 ton (Length 12.192m) |
|------------------------|----------------------|--|--|
| Standard Diameter (mm) | Meenakshi            | Meenakshi FE 550D TMT Bar                      | ISI nominal other brands 550 or 500            |
| 8mm                    | 0.377                | 217  | 207  |
| 10mm                   | 0.574                | 142  | 132  |
| 12mm                   | 0.853                | 98   | 92   |
| 16mm                   | 1.501                | 54   | 52   |
| 20mm                   | 2.371                | 34   | 33   |
| 25mm                   | 3.751                | 22   | 21   |

| Beam design with M30   |  |
|--|--|
| 230x450 beam<br>Reinforcement saving :<br>415/550D - 55%<br>500/550D - 9%  | 800x1800 beam<br>Reinforcement saving:<br>415/550D - 57%<br>500/550D - 18% |
| Column Design with M40   |  |
| 00x750 column<br>Reinforcement saving :<br>415/550D - 17%<br>500/550D - 7% | 600x750 column<br>Reinforcement saving:<br>415/550D - 20%<br>500/550D - 7% |

USE  
MEENAKSHI TMT  
FE550D AND  
**SAVE**  
**UPTO 20%**  
ON TMT BARS



**Reduced steel  
consumption**



**Better savings  
on site**



**Faster  
construction time**



**Reduced  
Transport  
Costs**

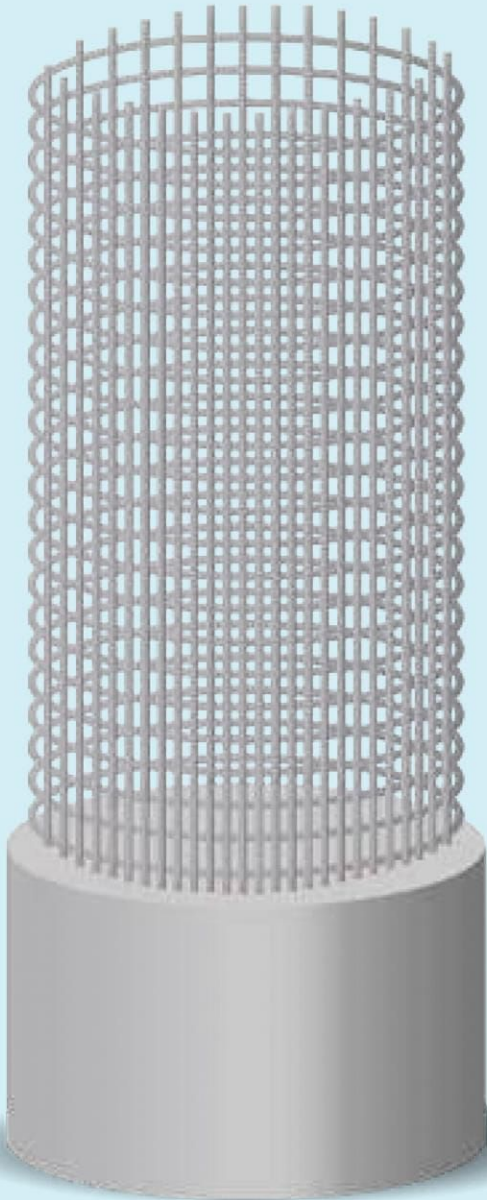


**Reduced labour  
costs**



OTHER ISI STANDARDS

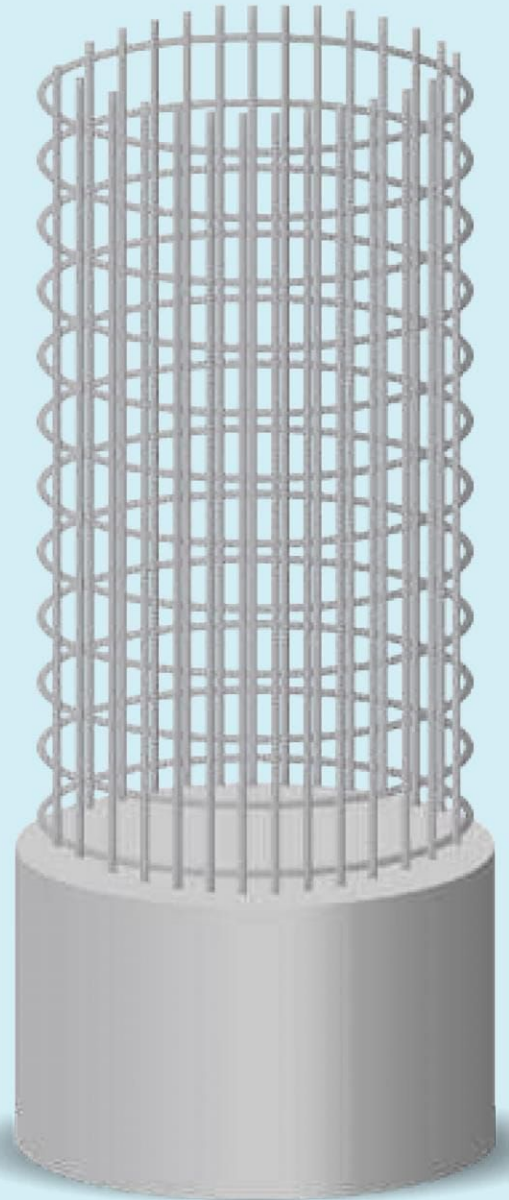
**FE 500**



High density of FE 500 grade TMT rebars

MEENAKSHI TMT

**FE 550D**



Increased spacing due to lesser rebars of  
FE 550D Meenakshi TMT rebars

\* Actual steel savings will depend on the design, number of floors, seismic zone and other factors based on your construction requirements.



# INSTANT DELIVERY **MEENAKSHI TMT**

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## GET **MEENAKSHI TMT DELIVERED IN A DAY**

Meenakshi TMT provides an instant delivery service. Once you place an order with our dedicated salesmen, we will deliver fresh material directly from our factory at the construction site. We deliver the premium quality TMT rods within 1 working day.

## TECHNICAL ASSISTANCE AND RETURN **POLICY**

Meenakshi TMT provides an instant return policy in case our builders have any concerns with the quality of the product. If you report a problem, we will provide technical assistance on the following day and if we find there is a genuine issue with the manufacturing, we will replace the material for you.

## LIVE TRACKING AND CERTIFICATE **ACCESS**

Meenakshi TMT enables all the builders and contractors to take a look at the test certificates with a scan. We strap every bundle with a QR code which opens up to all the details and test certificates our TMT rods have endured. We also enable live tracking to access the location of where the dispatch is exactly at.





# CUSTOMER SUPPORT SERVICE

NEED HELP BUYING TMT?

**WHATSAPP US FOR YOUR TMT REQUIREMENTS**

Round the clock customer support for all TMT requirements throughout the construction process. With just a message on WhatsApp, Meenakshi TMT will provide all details that our builders and contractors need to know. Right from enquiring the prices to placing the order, we have made it hassle-free through our customer support. All details and purchases are now at your fingertip access.



WHATSAPP



**(+91) 8778112322**

- Enquire prices
- Place order
- Get in touch with our nearest dealer

[www.meenakshigroup.in](http://www.meenakshigroup.in)

[info@meenakshigroup.in](mailto:info@meenakshigroup.in)

# TECHNICAL SPECIFICATION

| Content   | ISI Fe550D | Meenakshi TMT Fe550D   | Meenakshi TMT Fe500 CRS |
|---|------------|--|-------------------------|
| <b>Chemical Properties</b>  |            |  |                         |
| Carbon (Max)  | 0.30       | 0.25   | 0.25                    |
| Sulphur (Max)   | 0.055      | 0.04   | 0.04                    |
| Phosphorous (Max)   | 0.05       | 0.04   | 0.1                     |
| Sulphur & Phosphorous   | 0.10       | 0.075  | 0.1                     |
| Carbon Equivalent   | 0.42       | 0.35 to 0.42   | 0.5                     |
| CRE Value (Cu+Cr+P)% (Min)  | -          | -  | 0.4                     |
| <b>Physical Properties</b>  |            |  |                         |
| Yield Stress (N/mm2) (Min)  | 550        | 560  | 530                     |
| Elongation % (Min)  | 14.5       | 16   | 14                      |
| UTS/YS Ratio  | 1.08       | 1.12   | 1.1                     |
| Tensile Strength (N/mm2)  | 600        | 620  | 565                     |
| <b>Bend test</b>  |            |  |                         |
|   |            | No traverse crack should form after bending through 180° and a mandrel of diameter specified below.  |                         |
| Bars up to and including 20mm   | <5d        | <4d  | <4d                     |
| Bars over 20mm  | <6d        | <5d  | <5d                     |
| <b>Re-bend test</b>   |            |  |                         |
|  |            | No traverse crack should form after bending through 45° and reverse bending the same through 22.5 around the mandrel diameter specified below. |                         |
| Bars up to and including 10mm   | <7d        | <6d  | <5d                     |
| Bars over 10mm  | <8d        | <7d  | <7d                     |

Applicable to all grades as per BIS 1786:2008. Length 40 feet or 12.19 meter.

| Standard Diameter (mm) | ISI Nominal Wt / meter Kg | ISI Range of wt for each batch wt. /meter Kg |       | Meenakshi TMT Wt./meter Kg | Bundle wt (+ or - 1 Kg.) | Pcs / Bundle |
|------------------------|---------------------------|--|-------|----------------------------|--------------------------|--------------|
| 8                      | 0.395                     | 0.367  | 0.423 | 0.377                      | 46 Kgs                   | 10 Pcs       |
| 10                     | 0.617                     | 0.574  | 0.660 | 0.574                      | 49 Kgs                   | 7 Pcs        |
| 12                     | 0.888                     | 0.843  | 0.932 | 0.853                      | 52 Kgs                   | 5 Pcs        |
| 16                     | 1.579                     | 1.500  | 1.658 | 1.503                      | 55 kgs                   | 3 Pcs        |
| 20                     | 2.467                     | 2.393  | 2.541 | 2.378                      | 58 Kgs                   | 2 Pcs        |
| 25                     | 3.855                     | 3.739  | 3.971 | 3.773                      | 46 Kgs                   | 1 Pc         |
| 32                     | 6.316                     | 6.127  | 6.506 | 6.310                      |                          |              |

Meenakshi Udyog (India) Pvt. Ltd.

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